

Incident ID	nAPP2311452362
District RP	
Facility ID	
Application ID	

## Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>128.8</u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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

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

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

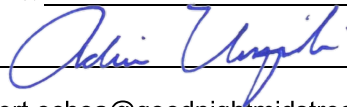
If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods,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

State of New Mexico  
Oil Conservation Division

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

Printed Name: Albert Ochoa Title: EHS Director  
Signature:  Date: 08/07/2023  
email: albert.ochoa@goodnightmidstream.com Telephone: (432) 242-6629

**OCD Only**

Received by: Shelly Wells Date: 8/7/2023

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## Remediation Plan

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

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

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

- ☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- ☐ Extents of contamination must be fully delineated.
- ☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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

Printed Name: Albert OchoaTitle: EHS DirectorSignature: Date: 08/07/2023email: albert.ochoa@goodnightmidstream.comTelephone: (432) 242-6629**OCD Only**Received by: Shelly WellsDate: 8/7/2023

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

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

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## 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 OchoaTitle: EHS DirectorSignature: Date: 08/07/2023email: albert.ochoa@goodnightmidstream.comTelephone: (432) 242-6629

### OCD Only

Received by: Shelly WellsDate: 8/7/2023

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

Closure Approved by: Nelson VelezDate: 11/06/2023Printed Name: Nelson VelezTitle: Environmental Specialist - Adv

Operator did not meet 19.15.29.12D (1a) NMAC. Forbearance given on 10/06/2023. Release resolved.



## Remediation Summary and Closure Request

### **Goodnight Midstream Permian, LLC Blueberry CRP 2-Inch/Blueberry CRP H-Pump**

Lea County, New Mexico

Unit Letter P, Section 24, Township 21 South, Range 33 East

Latitude 32.4594 North, Longitude 103.51921 West

**NMOCD Reference No. nAPP2308331487**

**NMOCD Reference No. nAPP2311452362**

Prepared By:

**Etech Environmental & Safety Solutions, Inc.**

2617 W. Marland

Hobbs, New Mexico 88240



Matthew Grieco



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 (Goodnight), has prepared this *Remediation Summary and Closure Request* for the release site known as the Blueberry CRP 2-Inch (henceforth, "Site"). Details of the release are summarized below:

### Location of Release Source

Latitude: 32.4594 Longitude: -103.51921  
Provided GPS are in WGS84 format.

Site Name: <u>Blueberry CRP 2-Inch</u>	Site Type: <u>SWD</u>
Date Release Discovered: <u>3/21/2023</u>	API # (if applicable): <u>N/A</u>

Unit Letter	Section	Township	Range	County
P	24	21S	33E	Lea

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☒ Private (Name MERCHANT LIVESTOCK COMPANY)

### Nature and Volume of Release

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) <u>11.3</u>	Volume Recovered (bbls) <u>0</u>
	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:

The release was attributed to the failure of a gasket on a 2-Inch above ground pipeline.

### Initial Response

- ☒ The source of the release has been stopped.
- ☒ The impacted area has been secured to protect human health and the environment.
- ☒ Release materials have been contained via the use of berms or dikes, absorbent pad, or other containment devices
- ☒ 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.

On April 24, 2023, a second release occurred at the facility while remediating the previous release. The release was limited to the excavated areas in the southwestern and central portions of the Site. Upon discovering the release, remediation activities began immediately. Due to the nature of the Site, remediation of both reportable releases was handled concurrently.

### Location of Release Source

Latitude: 32.4594 Longitude: -103.51921

Provided GPS are in WGS84 format.

Site Name: <u>Blueberry CRP H-Pump</u>	Site Type: <u>SWD</u>
Date Release Discovered: <u>4/24/2023</u>	API # (if applicable): <u>N/A</u>

Unit Letter	Section	Township	Range	County
P	24	21S	33E	Lea

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☒ Private (Name MERCHANT LIVESTOCK COMPANY)

### Nature and Volume of Release

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) <u>190</u>	Volume Recovered (bbls) <u>170</u>
	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:

Mechanical failure of H-Pump 262 caused release.

### Initial Response

- ☒ The source of the release has been stopped.
- ☒ The impacted area has been secured to protect human health and the environment.
- ☒ Release materials have been contained via the use of berms or dikes, absorbent pad, or other containment devices
- ☒ 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.

A soil boring/temporary monitoring well (TMW-1) was installed on September 15, 2021, for NMOCD incident ID nRM2010753767. The well was drilled to a depth of 150 feet below ground surface (bgs) and left open for 72 hours to allow for the accumulation of groundwater. After the 72-hour accumulation period, the well was gauged using a water level meter and found to have a groundwater depth of 128.8 feet bgs. The well was subsequently plugged and abandoned on October 25, 2021.

Depth to groundwater information, including the well log for TMW-1, is provided as Appendix A.

What is the shallowest depth to groundwater beneath the area affected by the release?	128.8 Feet	
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) shapefiles; topographic maps; NMOSE and USGS databases; aerial imagery; and individual well logs. The results are depicted on Figures 1, 2, 4, and 5.

### 3.0 CLOSURE CRITERIA FOR SOILS IMPACTED BY A RELEASE

Based on the volume and nature of the release, inferred depth to groundwater, and NMOCD Siting Criteria, the NMOCD Closure Criteria and NMOCD Reclamation Standard for the Site are as follows:

Probable Depth to Groundwater	Constituent	Laboratory Analytical Method	Closure Criteria*†	Reclamation Standard*‡
128.8 Feet	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	-
	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 BACKGROUND SUMMARY

On March 21, 2023, Goodnight discovered a reportable release at their Blueberry CRP Facility. The initial C-141 indicated the cause of release was the failure of a gasket on a 2-inch above ground pipeline resulting in the release of approximately 11.3barrels (bbls) of a produced water. Impacts from the release affected an area measuring approximately 1,900 sq. ft. adjacent to steel-wall, lined H-Pump containments in the east central portion of the facility. The release was registered under the incident ID of nAPP2308331487. Goodnight contracted Etech to conduct remediation activities for the release. Etech began remediation activities for this incident on April 5, 2023.

On April 24, 2023, during the excavation of incident ID nAPP2308331487, the mechanical failure of an on-site H-pump resulted in the release of approximately 190 barrels of produced water into portions of the open excavation. A vacuum truck recovered approximately 170 barrels of produced water, leaving approximately twenty (20) barrels in-situ. Goodnight notified the NMOCD and Etech of the secondary release, which was subsequently registered under the incident ID of

### 5.0 REMEDIATION ACTIVITIES SUMMARY

On April 5, 2023, remediation activities commenced at the Site. In accordance with NMOCD regulations, impacted soil affected above the NMOCD Closure Criteria was excavated and stockpiled on-site, pending transfer to an NMOCD-approved 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 NMOCD Closure Criteria and/or NMOCD Reclamation Standards, or the maximum extent practicable given the releases proximity to in-place equipment, tanks, pipes, and/or appurtenances that prevented further excavation.

Between April 6 and 11, Etech collected nineteen (19) excavation confirmation soil samples (FL-1 through FL-3, FL-5 through FL-9, EW 1, EW3, NW 1, NW 3, SW 2, SW 3, SW 4, SW 5, WW 1, WW 2, and WW 3) from the floor and sidewalls of the excavated area. The collected soil samples were submitted to the laboratory for analysis of BTEX, TPH and chloride concentrations. Laboratory analytical results indicated BTEX and TPH concentrations were less than the applicable laboratory MDL in each of the submitted soil samples. Analytical results indicated chloride concentrations ranged from 48.0 mg/kg in soil sample FL 7 @ 4' to 160 mg/kg in soil sample FL 1 @ 7'.

In addition, Etech collected ten (10) deferral characterization soil samples (DEF 1 @ 1', DEF 1 @ 2', E DEF 2 @ 1', E DEF 2 @ 5', EW DEF 4 @ 1', EW DEF 4 @ 7', N DEF 2 @ 1', N DEF 2 @ 4', SW DEF 1 @ 1' and SW DEF 1 @ 7') from impacted areas adjacent to the steel-walled, lined containments and associated above ground piping. The collected soil samples were submitted to the laboratory for analysis of BTEX, TPH and chloride concentrations in an effort to characterize and quantify impacts remaining in-situ in need of deferral. Laboratory analytical results indicated BTEX and TPH concentrations were less

than the applicable laboratory MDL in each of the submitted soil samples. Analytical results indicated chloride concentrations ranged from 32.0 mg/kg in soil sample EW DEF 4 @ 7' to 24,800 mg/kg in soil sample DEF 1 @ 1'. Analytical results indicated soil was not affected above the conditions of the SUA beyond 2 ft. bgs in the area characterized by sample point DEF 1, 5 ft. bgs in the area characterized by sample point E DEF 2, 7 ft. bgs in the area characterized by sample point EW DEF 4, 4 ft bgs in the area characterized by sample point N DEF 2 and 7 ft. bgs in the area characterized by sample point SW DEF 1. Laboratory analytical results indicated BTEX, TPH and chloride concentrations were below the NMOCD Closure Criteria in each of the submitted soil samples with the exception of soil sample DEF 1 @ 1 which exhibited a chloride concentration of

Etech also collected six (6) horizontal delineation soil samples (E HORZ @ Surf., E HORZ @ 1', S HORZ 1 @ Surf., S HORZ 1 @ 1', W HORZ 1 @ Surf. and W HORZ 1 @ 1') from the opposite sides of each of the steel-walled, lined containments in an effort to demonstrate the horizontal extent of impacted soil in need of deferral, if necessary, and demonstrate soil was not affected above the NMOCD Reclamation Standard. Laboratory analytical results indicated BTEX and TPH concentrations were less than the applicable laboratory MDL in each of the submitted soil samples. Analytical results indicated chloride concentrations ranged from 32.0 mg/kg in soil samples FL 7 @ 4' to 160 mg/kg in soil samples E HORZ @ Surf., E HORZ @ 1', S HORZ 1 @ 1', and W HORZ 1 @ 1' to 48.0 mg/kg in soil samples S HORZ 1 @ 1' and W HORZ 1 @ Surf.

On April 24, 2023, while excavating impacted material in the central portion of the facility represented by sample point DEF 1, a second produced water release occurred at the facility. The release was contained in portions of the environmental excavations from the March 21, 2023, reportable release.

Upon discovering the release, a vacuum truck was utilized to recover all free-standing fluids from within the excavated areas. Upon recovering the free-standing fluid, excavation activities resumed at the Site. In accordance with NMOCD regulations, impacted soil affected above the NMOCD Closure Criteria was excavated and stockpiled on-site, pending transfer to an NMOCD-approved 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 NMOCD Closure Criteria and/or NMOCD Reclamation Standards, or the maximum extent practicable given the releases proximity to in-place equipment, tanks, pipes, and/or appurtenances that prevented further excavation.

On April 26, 2023, Etech collected eight (8) soil samples (FL -3 B @ 3.5', FL -5 B @ 4', FL -6B @ 3', FL -7B @ 1', NW 3 B, SW 6B, SW 7B and WW 3B) from the floor and sidewalls of the excavated area. The collected soil samples were submitted to the laboratory for analysis of BTEX, TPH and chloride concentrations. Laboratory analytical results indicated BTEX and TPH concentrations were less than the applicable laboratory MDL in each of the submitted soil samples. Analytical results indicated chloride concentrations ranged from 32.0 mg/kg in soil sample NW 3B to 512 mg/kg in soil sample SW 6B. Laboratory analytical results indicated BTEX, TPH and chloride concentrations were below the NMOCD Closure Criteria in each of the submitted soil samples. Impacted soil in the area characterized by soil sample SW 6B was excavated.

On April 28, 2023, Etech collected two (2) excavation confirmation soil samples (FL 1B @ 16' and FL 2 B @ 9') from the floor of the excavated area. The collected soil samples were submitted to the laboratory for analysis of BTEX, TPH and chloride concentrations. Laboratory analytical results indicated BTEX and TPH concentrations were less than the applicable laboratory MDL in each of the submitted soil samples with the exception of soil sample FL 1B @ 16' which exhibited a TPH concentration of 37.8 mg/kg. Analytical results indicated chloride concentrations ranged from 560 mg/kg in soil sample FL 2B @ 9' to 31,200 mg/kg in soil sample FL-1B @ 16'. Impacted soil in the areas characterized by soil samples FL 1B @ 16' and FL 2 B @ 9' was excavated.

On May 2, 2023, Etech collected three (3) excavation confirmation soil samples (FL #2B @ 10', FL #4B @ 5' and SW #6B) from the floor and sidewalls of the excavated area. The collected soil samples were submitted to the laboratory for analysis of chloride concentrations. Laboratory analytical results indicated chloride concentrations ranged from 80.0 mg/kg in soil sample SW #6B to 176 mg/kg in soil sample FL #2B @ 10'. Chloride concentrations were reasonably close to the conditions of the SUA in each of the submitted soil samples.

On May 5, 2023, Etech collected one (1) soil sample (FL 1) from the base of the deepest portion of the release site. The collected soil sample was submitted to the laboratory for analysis of TPH and chloride. Laboratory analytical results indicated



soil sample FL 1 exhibited a TPH concentration of less than the laboratory MDL and a chloride concentration of 2,560 mg/kg.

On May 8, 2023, Etech advanced the floor of the deepest excavated area. During the advancement of the floor, three (3) soil samples (FL -1 @ 20', FL -1 @ 22' and FL -1 @ 23') were collected from the base of the excavated area. The collected soil samples were submitted to the laboratory for analysis of chloride. Laboratory analytical results indicated chloride concentrations ranged from 1,470 mg/kg in soil sample FL-1 @ 20' to 336 mg/kg in soil sample FL -1 @ 23'. Based on field screen data the floor of the excavation was advanced to 23 ft. bgs.

On May 12, 2023, Etech collected four (4) excavation confirmation soil samples (SR ESW, SR NSW, SR SSW, SR WSW) from the sidewalls of the excavated area. The collected soil samples were submitted to the laboratory for analysis of BTEX, TPH and chloride concentrations. Laboratory analytical results indicated BTEX and TPH concentrations were less than the applicable laboratory MDL in each of the submitted soil samples with the exception of soil samples SR SSW and SW WSW which exhibited TPH concentrations of 10.2 mg/kg and 54.5 mg/kg, respectively. Analytical results indicated chloride concentrations ranged from 5,680 mg/kg in soil sample SR SSW to 41,600 mg/kg in soil sample SR WSW. Impacted soil in the areas characterized by soil samples SR ESW, SR NSW, SR SSW and SR WSW was excavated in accordance with the landowner.

Etech also collected three (3) additional delineation soil samples (NW SR, SH SR and WH SR) in an effort to demonstrate soil was not impacted above the NMOCD Reclamation Standards. The collected soil samples were submitted to the laboratory for analysis of BTEX, TPH and chloride concentrations. Laboratory analytical results indicated BTEX and TPH concentrations were less than the applicable laboratory MDL in each of the submitted soil samples. Analytical results indicated chloride concentrations ranged from 192 mg/kg in soil sample NH SR to 488 mg/kg in soil sample SR SH.

On May 12, 2023, Etech collected four (4) excavation confirmation soil samples (SR ESWb, SR NSWb, SR SSWb and SR WSWb) from the recently excavated area. The collected soil samples were submitted to the laboratory for analysis of chloride concentrations. Laboratory analytical results indicated chloride concentrations ranged from 112 mg/kg in soil sample SR SSWb to 5,330 mg/kg in soil sample SR WSWb.

The final dimensions of the excavated area on the north side of the western containment were approximately 45 ft. in length, 18 to 20 ft. in width and 4 to 7 ft. in depth. The final dimensions of the excavated area on the west side of the southern containment were approximately 50 ft. in length, 10 to 15 ft. in width and 4 to 23 ft. in depth. The final dimensions of the excavated area in the eastern portion of the Site were approximately 25 ft. in length, 15 ft. in width and 2 to 5 ft. in depth. Approximately 828 cy of impacted soil was excavated and transported to an NMOCD-permitted surface waste facility.

## **6.0 RESTORATION, RECLAMATION, AND RE-VEGETATION PLAN**

Upon receiving laboratory analytical results from confirmation soil samples, excavated areas were backfilled with locally sourced, non-impacted "like" material placed at or near original relative positions. The affected area was compacted and contoured to achieve erosion control, stability, and preservation of surface water flow, to the extent practicable. The release was limited to the central portion of an active facility therefore reseeded is not required at this time. Final reclamation will be conducted in accordance with applicable NMOCD regulations upon decommissioning the facility.

## 7.0 SOIL CLOSURE REQUEST

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

Based on laboratory analytical results and field activities conducted to date, Etech recommends Goodnight provide copies of this *Remediation Summary and Closure Request* to the appropriate agencies and request closure be granted to the Blueberry CRP 2-Inch and Blueberry CRP H-Pump sites.

## **8.0 LIMITATIONS**

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

This report has been prepared for the benefit of 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.

## **9.0 DISTRIBUTION**

***Goodnight Midstream Permian, LLC***

*5910 N Central Expy*

*Suite 800*

*Dallas, TX 75206*

***New Mexico Energy, Minerals and Natural Resources Department***

*Oil Conservation Division, District 1*

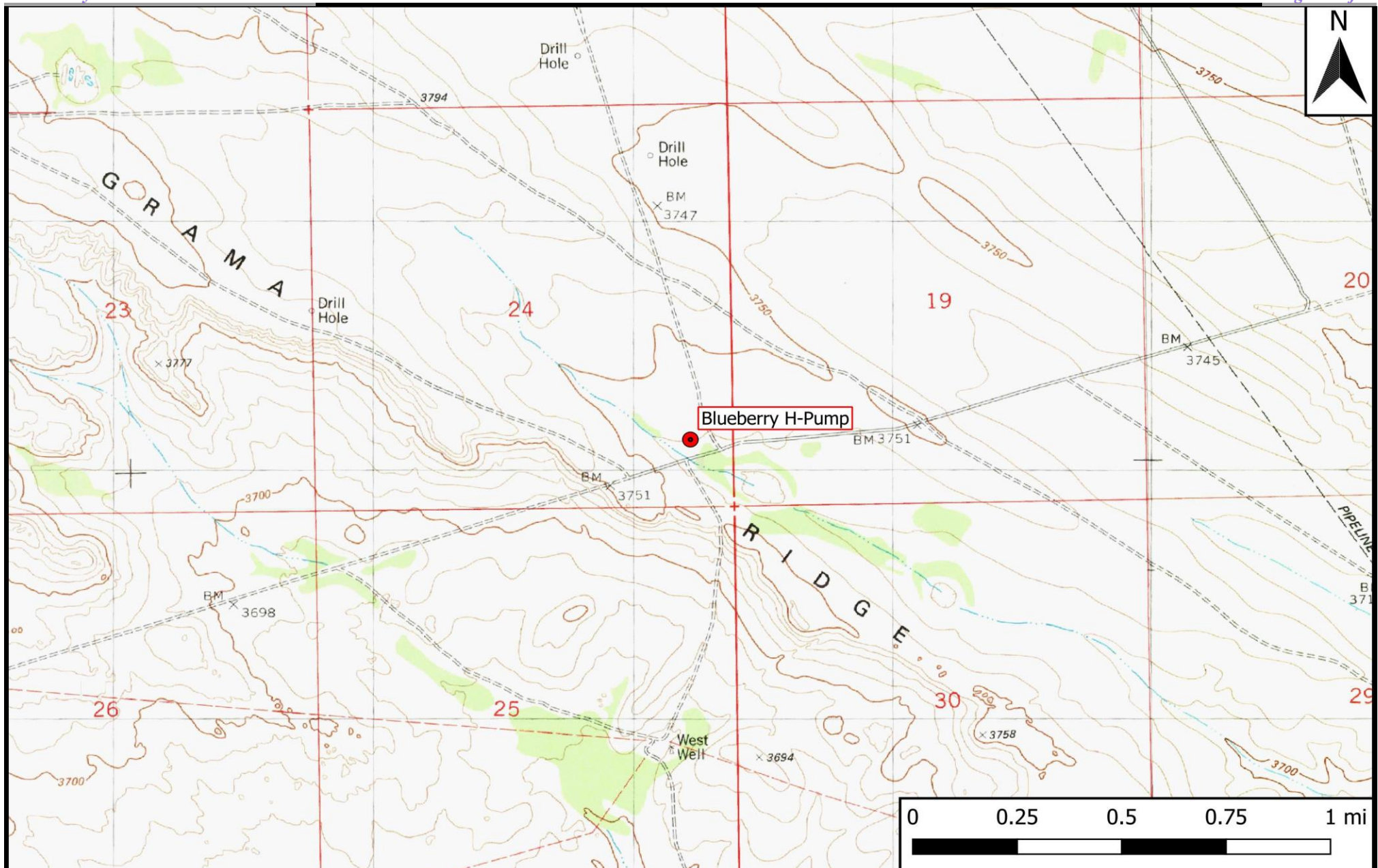
*1220 South St. Francis Drive*

*Santa Fe, NM 87505*

*(Electronic Submission)*

# **Figure 1**

## **Topographic Map**



## Legend

● Site Location

## Figure 1

Topographic Map  
 Goodnight Midstream Permian, LLC  
 Blueberry H-Pump  
 GPS: 32.4594, -103.51921  
 Lea County

**eTECH**  
 Environmental & Safety Solutions, Inc.

Drafted: mag

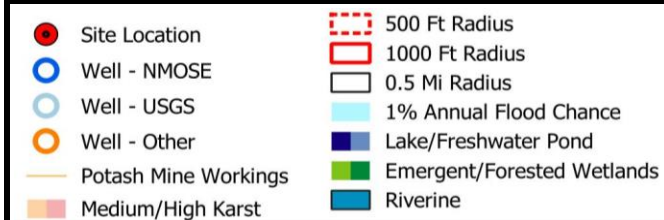
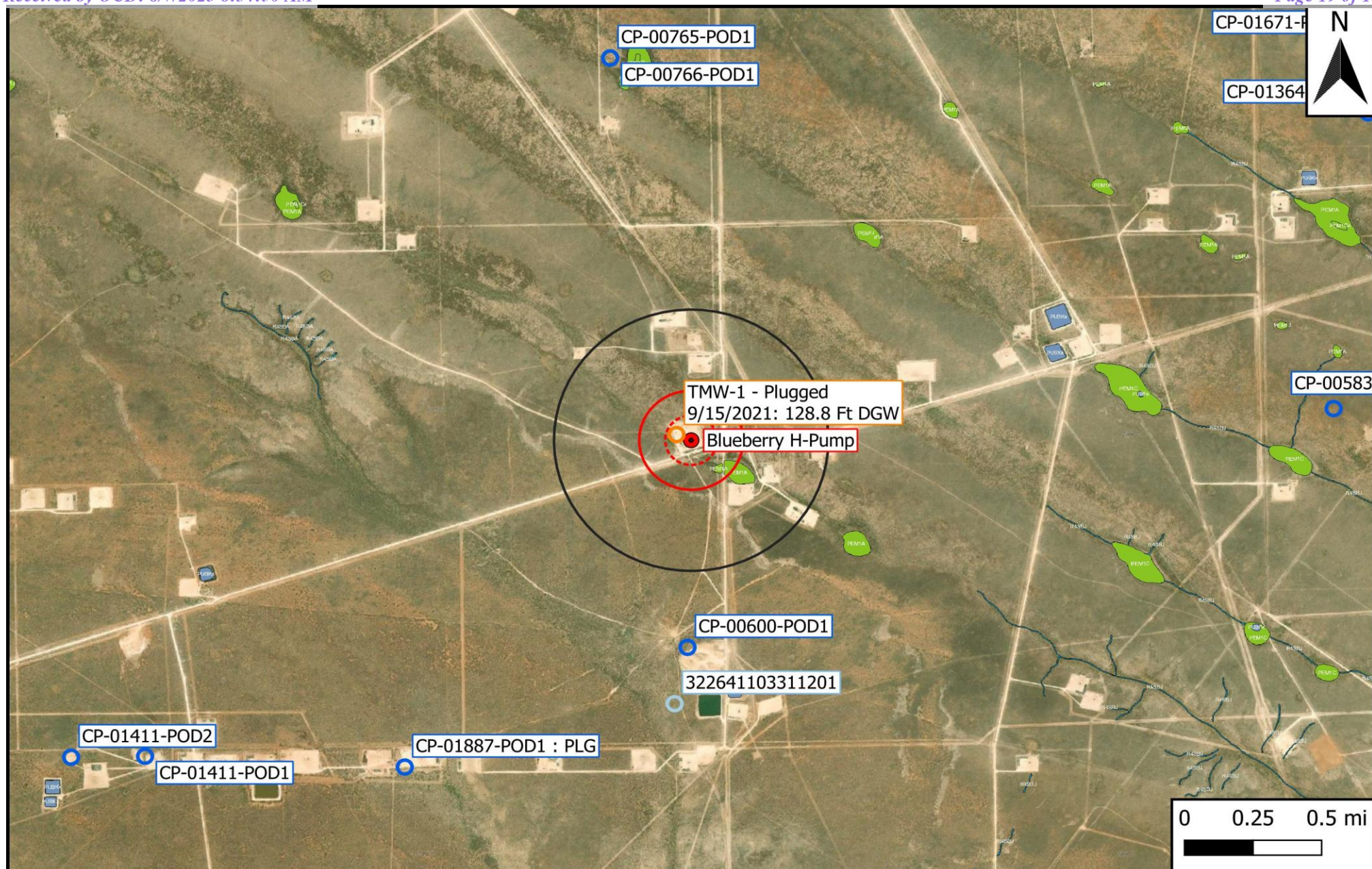
Checked: jwl

Date: 5/15/23

## **Figure 2**

### **Aerial Proximity Map**





**Figure 2**  
Aerial Proximity Map  
Goodnight Midstream Permian, LLC  
Blueberry H-Pump  
GPS: 32.4594, -103.51921  
Lea County



Drafted: mag

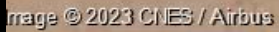
Checked: jwl

Date: 5/15/23






### **Figure 3**

## **Site and Sample Location Map**





Date: 5/22/23

-  Sample Point
-  Excavated Area
-  Initial Release
-  Secondary Release
-  Composite Sample Location

**Table 1**  
**Concentrations of BTEX, TPH, and Chloride in Soil**

**Table 1**  
**Concentrations of BTEX, TPH, and Chloride in Soil**  
**Goodnight Midstream Permian, LLC**  
**Blueberry CRP 2-Inch**  
**NMOCD Ref. #: nAPP2308331487**

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 <sub>6</sub> -C <sub>10</sub> (mg/kg)	DRO C <sub>10</sub> -C <sub>28</sub> (mg/kg)	GRO + DRO C <sub>6</sub> -C <sub>28</sub> (mg/kg)	ORO C <sub>28</sub> -C <sub>36</sub> (mg/kg)	TPH C <sub>6</sub> -C <sub>36</sub> (mg/kg)	Chloride (mg/kg)
FL 1 @ 7	4/6/2023	7	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
FL 2 @ 7	4/6/2023	7	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL 3 @ 4	4/6/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
EW 1	4/6/2023	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
NW 1	4/6/2023	0-7	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
SW 2	4/6/2023	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
WW 1	4/6/2023	0-7	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
SW DEF 1 @ 1	4/6/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,320
SW DEF 1 @ 7	4/6/2023	7	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
E HORZ @ 1	4/11/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
E HORZ @ SUR	4/11/2023	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL 6 @ 4	4/11/2023	4	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL 7 @ 4	4/11/2023	4	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL 8 @ 5	4/11/2023	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
FL 9 @ 2	4/11/2023	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
EW 3	4/11/2023	0-2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
NW 3	4/11/2023	0-3.5	In-Situ	<0.050	<0.300	<10.0	11.9	11.9	<10.0	11.9	80.0
SW 3	4/11/2023	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
SW 4	4/11/2023	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
SW 5	4/11/2023	0-5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
WW 2	4/11/2023	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
WW 3	4/11/2023	0-4	In-Situ	<0.050	<0.300	<10.0	10.4	10.4	<10.0	10.4	96.0
E DEF 2 @ 1	4/11/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	9,000
E DEF 2 @ 5	4/11/2023	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
N DEF 2 @ 1	4/11/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	688
N DEF 2 @ 4	4/11/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
S HORZ 1 @ SUR	4/12/2023	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
S HORZ 1 @ 1	4/12/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
W HORZ 1 @ SUR	4/12/2023	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
W HORZ 1 @ 1	4/12/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL 5 @ 12	4/12/2023	12	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
DEF 1 @ 1	4/12/2023	1	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<b>24,800</b>
DEF 1 @ 2	4/12/2023	2	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
EW DEF 4 @ 1	4/12/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	384
EW DEF 4 @ 7	4/12/2023	7	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
DEF 1 @ 4"	4/18/2023	0.33	Excavated	-	-	-	-	-	-	-	20,000
FL - 3 B @ 3.5'	4/26/2023	3.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
FL - 4 B @ 3.5'	4/26/2023	3.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	5,680
FL - 5 B @ 4'	4/26/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL - 6 B @ 3'	4/26/2023	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL - 7 B @ 1'	4/26/2023	1	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.

**Table 1**  
**Concentrations of BTEX, TPH, and Chloride in Soil**  
**Goodnight Midstream Permian, LLC**  
**Blueberry CRP 2-Inch**  
**NMOCD Ref. #: nAPP2308331487**

<b>NMOCD Closure Criteria</b>				<b>10</b>	<b>50</b>	<b>-</b>	<b>-</b>	<b>1,000</b>	<b>-</b>	<b>2,500</b>	<b>20,000</b>
<b>NMOCD Reclamation Standard</b>				<b>10</b>	<b>50</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>100</b>	<b>600</b>
Sample ID	Date	Depth (Feet)	Soil Status	SW 846 8021B		SW 846 8015M Ext.					4500 Cl
				Benzene (mg/kg)	BTEX (mg/kg)	GRO C <sub>6</sub> -C <sub>10</sub> (mg/kg)	DRO C <sub>10</sub> -C <sub>28</sub> (mg/kg)	GRO + DRO C <sub>6</sub> -C <sub>28</sub> (mg/kg)	ORO C <sub>28</sub> -C <sub>36</sub> (mg/kg)	TPH C <sub>6</sub> -C <sub>36</sub> (mg/kg)	Chloride (mg/kg)
NW 3 B	4/26/2023	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
SW 6	4/26/2023	0-3	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	512
SW 7 B	4/26/2023	0-3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
WW 3 B	4/26/2023	0-23	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
FL #1 @ 16'	4/28/2023	16	Excavated	<0.050	<0.300	<10.0	25.6	25.6	12.2	37.8	<b>31,200</b>
FL #2 @ 9'	4/28/2023	9	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	560
FL # 2 B	5/2/2023	10	In-Situ	-	-	-	-	-	-	-	176
FL # 4 B @ 5'	5/2/2023	5	In-Situ	-	-	-	-	-	-	-	96.0
SW # 6 B	5/2/2023	0-3	In-Situ	-	-	-	-	-	-	-	80.0
FL 1	5/5/2023	18	Excavated	-	-	<10.0	<10.0	<20.0	<10.0	<30.0	2,560
FL - 1 @ 20'	5/8/2023	20	Excavated	-	-	-	-	-	-	-	1,470
FL - 1 @ 22'	5/8/2023	22	Excavated	-	-	-	-	-	-	-	800
FL - 1 @ 23'	5/8/2023	23	In-Situ	-	-	-	-	-	-	-	336
NHSR	5/12/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	192
SHSR	5/12/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	448
WHSR	5/12/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	272
SRESW	5/12/2023	0-23	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	7,040
SRNSW	5/12/2023	0-3.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	14,400
SRSSW	5/12/2023	0-5	Excavated	<0.050	<0.300	<10.0	10.2	10.2	<10.0	10.2	5,680
SRWSW	5/12/2023	0-5	Excavated	<0.050	<0.300	<10.0	36.1	36.1	18.4	54.5	<b>41,600</b>
SRESWB	5/19/2023	0-23	In-Situ	-	-	-	-	-	-	-	336
SRNSWB	5/19/2023	0-3.5	In-Situ	-	-	-	-	-	-	-	464
SRSSWB	5/19/2023	0-5	In-Situ	-	-	-	-	-	-	-	112
SRWSWB	5/19/2023	0-5	In-Situ	-	-	-	-	-	-	-	5,330

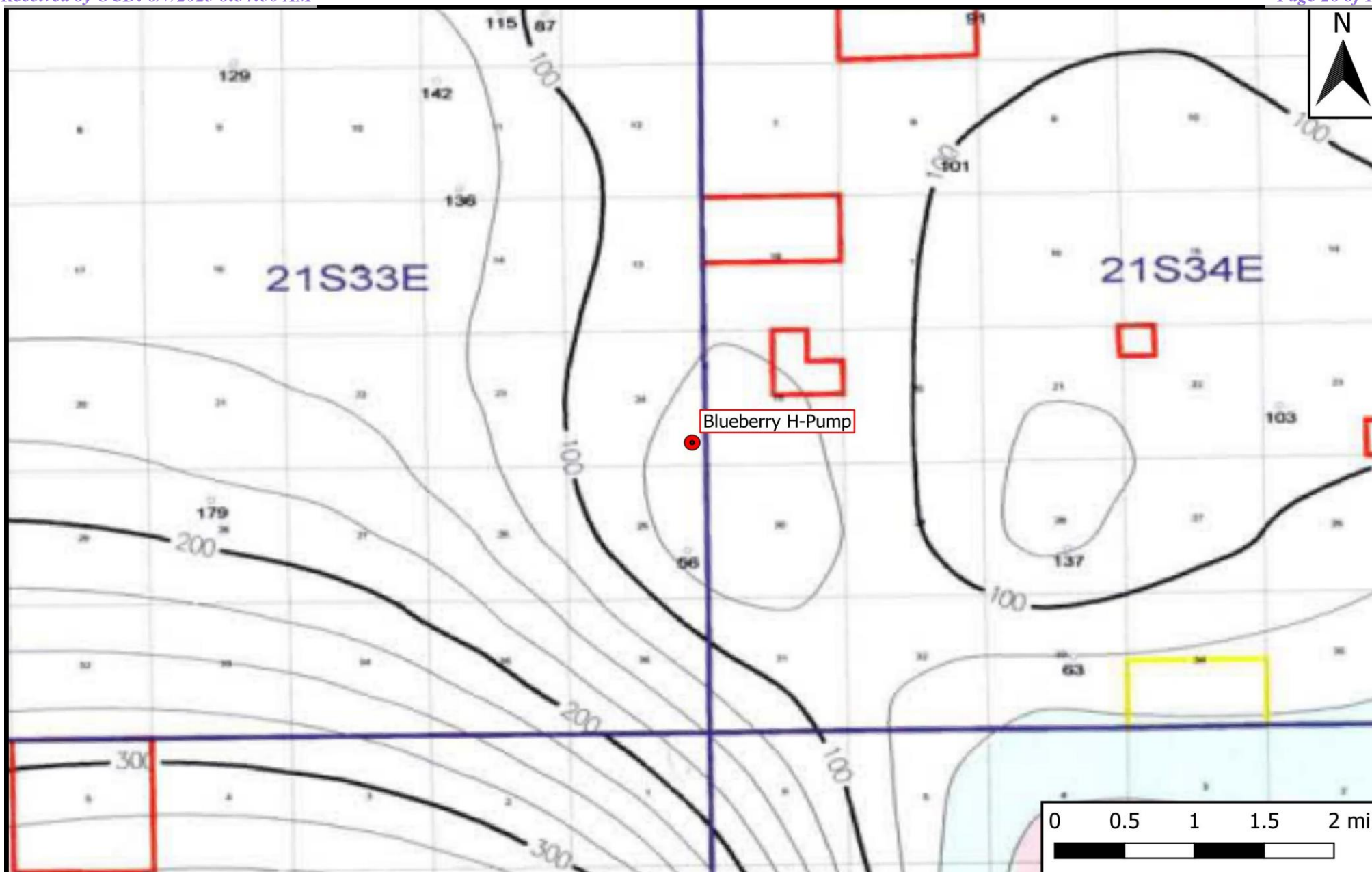
Dash (-): Sample not analyzed for that constituent.

**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 H-Pump  
 GPS: 32.4594, -103.51921  
 Lea County

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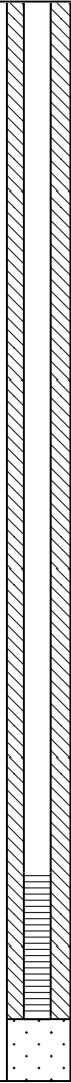


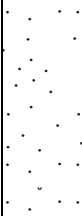
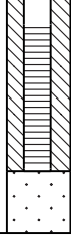

Drafted: mag

Checked: jwl

Date: 5/15/23



## Soil Boring/Temporary Monitor Well TMW-1

<b>Company:</b> Goodnight Midstream Permian, LLC			<b>Well/Borehole ID:</b> TMW-1	<b>Drilling Company:</b> Scarborough Drilling, Inc.			
<b>Site:</b> Blueberry SWD			<b>Coordinates (NAD 83):</b> 32.459725,-103.520119	<b>Driller:</b> L. Scarborough			
<b>NMOCD Reference #:</b> nRM2010753767			<b>Drilling Date:</b> 9/15/2021	<b>Drilling Method:</b> Air Rotary			
<b>Location:</b> Lea Co., NM			<b>Depth of Boring (ft):</b> 150	<b>Logged By:</b> L. Scarborough			
<b>PLSS:</b> U/L "P" (SE/SE), Sec. 24, T21S, R33E			<b>Depth to Groundwater (ft):</b> 128.8	<b>Drafted By:</b> B. Arguijo			
			<b>Plugging Date:</b> 10/25/2021	<b>Draft Date:</b> 10/29/2021			
<b>Completion:</b> N/A			<b>Casing:</b> N/A	<b>Screen:</b> N/A			
<b>Comments:</b> N/A							
Depth (ft)	Groundwater	Lithology	Material Description	Chloride Field Test	Lab	PID	Well Construction
10			Caliche Topsoil	-	-	-	 Bentonite
20			Caliche	-	-	-	
30				-	-	-	
40			Sandy with rock ledges	-	-	-	
50				-	-	-	
60				-	-	-	
70				-	-	-	
80				-	-	-	
90				-	-	-	
100				-	-	-	
110				-	-	-	
120			Loose sand	-	-	-	
130				-	-	-	 Bentonite  Sand
140				-	-	-	
150				-	-	-	
160			Notes: <ul style="list-style-type: none"><li>• Lines between material types represent approximate boundaries. Actual transitions may be gradual.</li><li>• 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.</li><li>• Borehole collapsed from approximately 141.5' to 150' bgs.</li></ul>				
170							

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



# 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 64	Q 16	Q 4	Sec	Tw	Rng	X	Y	Distance	Depth	Well	Depth	Water Column
<a href="#">CP 00600 POD1</a>		CP	LE	2	4	25	21S	33E		639152	3591054*	1270			65	

Average Depth to Water: --

Minimum Depth: --

Maximum Depth: --

**Record Count:** 1

**UTM NAD83 Radius Search (in meters):**

**Easting (X):** 639173.26

**Northing (Y):** 3592323.93

**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.


4/5/23 9:58 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*			
<hr/>											
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:			
<hr/>											

\*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.

4/5/23 9:59 AM

POINT OF DIVERSION SUMMARY



# New Mexico Office of the State Engineer

## Transaction Summary

### DCL Declaration of a Water Right

Transaction Number: 546673

Transaction Desc: CP 00600

File Date: 04/17/1979

Primary Status: DCL Declared

Secondary Status: PRC Processed

Person Assigned: \*\*\*\*\*

Applicant: THE MERCHANT LIVESTOCK COMPANY

#### Events

Date	Type	Description	Comment	Processed By
04/17/1979	APP	Application Received	*	*****
04/17/1979	FTN	Finalize non-published Trans.		*****
05/15/2014	QAT	Quality Assurance Completed	SQ2	*****
09/17/2014	QAT	Quality Assurance Completed	IMAGE	*****
12/15/2016	QAT	Quality Assurance Completed	DATA	*****

#### Water Right Information

WR File Nbr	Acres	Diversion	Consumptive	Purpose of Use
CP 00600	0	3		PLS NON 72-12-1 LIVESTOCK WATERING

#### \*\*Point of Diversion

CP 00600 POD1 639152 3591054\*

\*An (\*) after northing value indicates UTM location was derived from PLSS - see Help

#### \*\*Place of Use

Q	Q	Q	Q	Sec	Tws	Rng	Acres	Diversion	Consumptive	Use	Priority	Status	Other	Loc	Desc
256	64	16	4				0	3		PLS	12/31/1940	DCL	NO PLACE OF		USE GIVEN

#### Remarks

NAME OF WELL - WEST WELL

"ABTRACTOR'S NOTE: THE POD FOR THIS DECLARATION HAS BEEN  
RE-NUMBERED ACCORDING TO THE APPROVED OSE POD POLICY".

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.

4/5/23 10:22 AM

TRANSACTION SUMMARY



**Legend**

- Site Location
- Well - USGS
- ⋯ 500 Ft Radius
- ⊞ 1000 Ft Radius
- 0.5 Mi Radius

**Figure 5**

USGS Well Proximity Map  
Goodnight Midstream Permian, LLC  
Blueberry H-Pump  
GPS: 32.4594, -103.51921  
Lea County



Drafted: mag

Checked: jwl

Date: 5/15/23





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

## National Water Information System: Web Interface

USGS Water Resources

Data Category:

Groundwater

Geographic Area:

United States

GO

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- Explore the *NEW* [USGS National Water Dashboard](#) interactive map to access real-time water data from over 13,500 stations nationwide.
- [Full News](#) 

Groundwater levels for the Nation

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

### Search Results -- 1 sites found

Agency code = usgs

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

Available data for this site

Groundwater: Field measurements

GO

Lea County, New Mexico

Hydrologic Unit Code 13060011

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

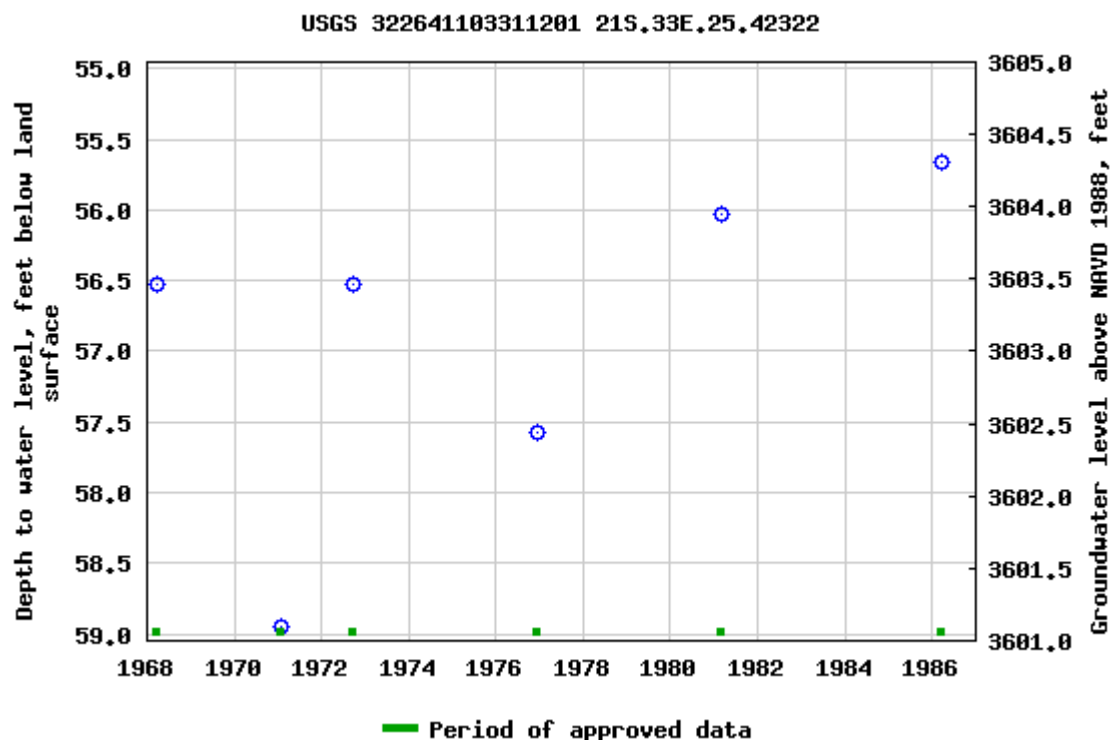
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Breaks in the plot represent a gap of at least one year between field measurements.  
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**Title: Groundwater for USA: Water Levels**

**URL: <https://nwis.waterdata.usgs.gov/nwis/gwlevels?>**

Page Contact Information: [USGS Water Data Support Team](#)

Page Last Modified: 2023-04-05 11:57:30 EDT

0.83 0.55 nadww01



## **Appendix B**

### **Field Data**



## Sample Log

Date: \_\_\_\_\_

Project: Blueberry CRP 2-Inch

Project Number: 17833

Latitude: 32.4594

Longitude: -103.51921

Sample ID	PID/Odor	Chloride Conc.	GPS
SW4	3.2	408	
FL9 @ 2	3.4	452	
EW3	7.8	2444	
SW5	7.8	2442	
NW3	5.0	912	
SW5	3.0	368	
EW3	3.4	452	
NW3	3.0	368	
FL7 @ 4	3.0	368	
WW2	3.0	368	
E Horz @ SW	3.6	500	
E Horz @ 1	3.4	452	
N Def 2 @ 1	5.4	1072	
N Def 2 @ 4	3.4	452	
E Def 2 @ 1	115.6.4	6884	
E Def 2 @ 5	3.4	452	
FL5 @ 12	3.8	552	
SW Def 4 @ 1	4.0	604	
EW Def 4 @ 7	3.0	368	
Def 1 @ 1	115.0	High 12,952	
Def 1 @ 2	3.0	368	
W Horz 1 @ SW	3.6	500	
W Horz 1 @ 1	3.4	452	
S Horz 1 @ SW	3.6	500	
S Horz 1 @ 1	3.4	452	
FL-1 B @ 12'		<del>716</del> 4,060	
FL-2 B @ 6'		408	
FL-3 B @ 3.5' / FL-3 B @ 3.5'		5504 / 328	
FL-4 B @ 3.5'		3,744	
FL-5 B @ 3.5'		228	
FL-6 @ 3'		844	
NW3 B @ 4'		124	
FL-7 @ 1'		500	
SW8		408	
WW3 B		716	
SW6 B		912	

Sample Point = SP #1 @ ## etc

Test Trench = TT #1 @ ##

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

Floor = FL #1 etc

Refusal = SP #1 @ 4'-R

Stockpile = Stockpile #1

Sidewall = SW #1 etc

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

GPS Sample Points, Center of Comp Areas



## Sample Log

Date: \_\_\_\_\_

Project: Blueberry CRP 2-Inch

Project Number: 17833

Latitude: 32.4594

Longitude: -103.51921

Sample ID	PID/Odor	Chloride Conc.	GPS
FL2@1 HS 5.2	High	4,324	
FL2@2 3.2	Light	408	
FL2@3 6.0	NONE	1308	
FL2@4 4.2	NONE	660	
FL2@5 3.8	NONE	552	
FL2@6 4.2	NONE	368	
NW1	NONE	2,192	
FL2@7 2.6	NONE	292	
FL1@6 4.0	NONE	604	
FL3@4 2.4	NONE	260	
NW1 3.0	NONE	368	
EW1 3.0	NONE	368	
FL1@7 2.6	NONE	292	
NW1 2.4	NONE	260	
SWDEF1@1 7.6	NONE	2,272	
SWDEF1@6 2.6	NONE	292	
EW1 2.4	NONE	260	
SW2 2.4	NONE	260	
NW1 2.6	NONE	292	
FLS@1	High	3,992	
FLS@2	High	8,672	
FLS@3	High	2,432	
FLS@5 HS 8.0	High	12,952	
FLS@4	High	10,140	
FLS@7 H2 6.9	Light	8,024	
FLS@8 7.0	Light	1,224	
FLS@10 3.8	NONE	552	
FLS@11 4.0	NONE	604	
FL6@4 3.4	NONE	452	
SW3 4.0	NONE	604	
NW2 3.4	NONE	500	
SW3 2.4	NONE	260	
FL8@3 7.8	NONE	2,444	
NW3 3.4	NONE	452	
FL8@5 3.4	NONE	452	
NW3 3.4	NONE	452	

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



## Remediation Log

Project: Blueberry CRP 2-Inch

Project Number: 17833 Latitude: 32.4594 Longitude: -103.51921

Confirmation of Active One Call? One Call No. \_\_\_\_\_

Confirmation of On-Site JSA? \_\_\_\_\_

Yes	No
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>

Date:

Notes

Yds

\*\*\*\*Begin Remediation Activities\*\*\*\*

Out In

4-5-23	digout / stockpile		
4-10-23	digout / stockpile / haul to disposal	200	
4-11-23	" " "	180	
4-12-23	" " "	80	
		60	
4-24	new spill / digout + sample / haul to disposal	48	
4-25	" " "	48	
4-26	" " "	24	
4-27	" " "	116	164
4-28-23	haul to backfill		168
5-2-23	" "		120
5-3-22	" haul to disposal / backfill	112	36
5-4-22	digout leak / sample		
5-5-22	" " "		
5-8-22	sample / backfill		
5-10-23	back filled		
5-11-23	back filled haul in		120
5-12-23	back filled ****Begin Backfill Activities**** haul in/out	60	96
	****Complete Remediation Activities****		

Total Yds

Out In

Yes	No
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>

Pictures of Open Excavation Prior to Backfill

Relevant Information in Project Tracker?

## **Appendix C**

### **Laboratory Analytical Reports**





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

---

April 13, 2023

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: BLUEBERRY CRP 2-INCH

Enclosed are the results of analyses for samples received by the laboratory on 04/06/23 16:41.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://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: 04/06/2023  
 Reported: 04/13/2023  
 Project Name: BLUEBERRY CRP 2-INCH  
 Project Number: 17833  
 Project Location: GOODNIGHT - RURAL LEA

Sampling Date: 04/06/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 1 @ 7 (H231654-01)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/12/2023	ND	1.90	94.8	2.00	1.85		
Toluene*	<0.050	0.050	04/12/2023	ND	1.94	96.9	2.00	2.03		
Ethylbenzene*	<0.050	0.050	04/12/2023	ND	2.08	104	2.00	2.51		
Total Xylenes*	<0.150	0.150	04/12/2023	ND	6.27	104	6.00	3.08		
Total BTX	<0.300	0.300	04/12/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	04/12/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/12/2023	ND	188	94.0	200	1.99	
DRO >C10-C28*	<10.0	10.0	04/12/2023	ND	194	97.2	200	0.957	
EXT DRO >C28-C36	<10.0	10.0	04/12/2023	ND					

Surrogate: 1-Chlorooctane 87.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.2 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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: 04/06/2023  
 Reported: 04/13/2023  
 Project Name: BLUEBERRY CRP 2-INCH  
 Project Number: 17833  
 Project Location: GOODNIGHT - RURAL LEA

Sampling Date: 04/06/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 2 @ 7 (H231654-02)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/12/2023	ND	1.90	94.8	2.00	1.85		
Toluene*	<0.050	0.050	04/12/2023	ND	1.94	96.9	2.00	2.03		
Ethylbenzene*	<0.050	0.050	04/12/2023	ND	2.08	104	2.00	2.51		
Total Xylenes*	<0.150	0.150	04/12/2023	ND	6.27	104	6.00	3.08		
Total BTEX	<0.300	0.300	04/12/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	04/12/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/12/2023	ND	188	94.0	200	1.99	
DRO >C10-C28*	<10.0	10.0	04/12/2023	ND	194	97.2	200	0.957	
EXT DRO >C28-C36	<10.0	10.0	04/12/2023	ND					

Surrogate: 1-Chlorooctane 93.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.8 % 49.1-148

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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: 04/06/2023  
 Reported: 04/13/2023  
 Project Name: BLUEBERRY CRP 2-INCH  
 Project Number: 17833  
 Project Location: GOODNIGHT - RURAL LEA

Sampling Date: 04/06/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 3 @ 4 (H231654-03)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/12/2023	ND	1.90	94.8	2.00	1.85		
Toluene*	<0.050	0.050	04/12/2023	ND	1.94	96.9	2.00	2.03		
Ethylbenzene*	<0.050	0.050	04/12/2023	ND	2.08	104	2.00	2.51		
Total Xylenes*	<0.150	0.150	04/12/2023	ND	6.27	104	6.00	3.08		
Total BTEx	<0.300	0.300	04/12/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	04/12/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/12/2023	ND	188	94.0	200	1.99	
DRO >C10-C28*	<10.0	10.0	04/12/2023	ND	194	97.2	200	0.957	
EXT DRO >C28-C36	<10.0	10.0	04/12/2023	ND					

Surrogate: 1-Chlorooctane 92.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.8 % 49.1-148

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**Analytical Results For:**

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

Received: 04/06/2023  
 Reported: 04/13/2023  
 Project Name: BLUEBERRY CRP 2-INCH  
 Project Number: 17833  
 Project Location: GOODNIGHT - RURAL LEA

Sampling Date: 04/06/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: NW 1 (H231654-04)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/12/2023	ND	1.90	94.8	2.00	1.85		
Toluene*	<0.050	0.050	04/12/2023	ND	1.94	96.9	2.00	2.03		
Ethylbenzene*	<0.050	0.050	04/12/2023	ND	2.08	104	2.00	2.51		
Total Xylenes*	<0.150	0.150	04/12/2023	ND	6.27	104	6.00	3.08		
Total BTEx	<0.300	0.300	04/12/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

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	04/12/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/12/2023	ND	188	94.0	200	1.99	
DRO >C10-C28*	<10.0	10.0	04/12/2023	ND	194	97.2	200	0.957	
EXT DRO >C28-C36	<10.0	10.0	04/12/2023	ND					

Surrogate: 1-Chlorooctane 91.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.2 % 49.1-148

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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: 04/06/2023  
 Reported: 04/13/2023  
 Project Name: BLUEBERRY CRP 2-INCH  
 Project Number: 17833  
 Project Location: GOODNIGHT - RURAL LEA

Sampling Date: 04/06/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: EW 1 (H231654-05)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/12/2023	ND	1.90	94.8	2.00	1.85		
Toluene*	<0.050	0.050	04/12/2023	ND	1.94	96.9	2.00	2.03		
Ethylbenzene*	<0.050	0.050	04/12/2023	ND	2.08	104	2.00	2.51		
Total Xylenes*	<0.150	0.150	04/12/2023	ND	6.27	104	6.00	3.08		
Total BTEX	<0.300	0.300	04/12/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	04/12/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/12/2023	ND	188	94.0	200	1.99	
DRO >C10-C28*	<10.0	10.0	04/12/2023	ND	194	97.2	200	0.957	
EXT DRO >C28-C36	<10.0	10.0	04/12/2023	ND					

Surrogate: 1-Chlorooctane 90.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.8 % 49.1-148

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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: 04/06/2023  
 Reported: 04/13/2023  
 Project Name: BLUEBERRY CRP 2-INCH  
 Project Number: 17833  
 Project Location: GOODNIGHT - RURAL LEA

Sampling Date: 04/06/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: WW 1 (H231654-06)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/12/2023	ND	1.90	94.8	2.00	1.85		
Toluene*	<0.050	0.050	04/12/2023	ND	1.94	96.9	2.00	2.03		
Ethylbenzene*	<0.050	0.050	04/12/2023	ND	2.08	104	2.00	2.51		
Total Xylenes*	<0.150	0.150	04/12/2023	ND	6.27	104	6.00	3.08		
Total BTEX	<0.300	0.300	04/12/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

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	04/12/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/12/2023	ND	188	94.0	200	1.99	
DRO >C10-C28*	<10.0	10.0	04/12/2023	ND	194	97.2	200	0.957	
EXT DRO >C28-C36	<10.0	10.0	04/12/2023	ND					

Surrogate: 1-Chlorooctane 89.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.4 % 49.1-148

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: 04/06/2023  
 Reported: 04/13/2023  
 Project Name: BLUEBERRY CRP 2-INCH  
 Project Number: 17833  
 Project Location: GOODNIGHT - RURAL LEA

Sampling Date: 04/06/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW DEF 1 @ 1 (H231654-07)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/12/2023	ND	1.90	94.8	2.00	1.85		
Toluene*	<0.050	0.050	04/12/2023	ND	1.94	96.9	2.00	2.03		
Ethylbenzene*	<0.050	0.050	04/12/2023	ND	2.08	104	2.00	2.51		
Total Xylenes*	<0.150	0.150	04/12/2023	ND	6.27	104	6.00	3.08		
Total BTEX	<0.300	0.300	04/12/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2320	16.0	04/12/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/12/2023	ND	188	94.0	200	1.99	
DRO >C10-C28*	<10.0	10.0	04/12/2023	ND	194	97.2	200	0.957	
EXT DRO >C28-C36	<10.0	10.0	04/12/2023	ND					

Surrogate: 1-Chlorooctane 89.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.7 % 49.1-148

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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: 04/06/2023  
 Reported: 04/13/2023  
 Project Name: BLUEBERRY CRP 2-INCH  
 Project Number: 17833  
 Project Location: GOODNIGHT - RURAL LEA

Sampling Date: 04/06/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW DEF 1 @ 7 (H231654-08)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/12/2023	ND	1.90	94.8	2.00	1.85		
Toluene*	<0.050	0.050	04/12/2023	ND	1.94	96.9	2.00	2.03		
Ethylbenzene*	<0.050	0.050	04/12/2023	ND	2.08	104	2.00	2.51		
Total Xylenes*	<0.150	0.150	04/12/2023	ND	6.27	104	6.00	3.08		
Total BTEX	<0.300	0.300	04/12/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	04/12/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/12/2023	ND	188	94.0	200	1.99	
DRO >C10-C28*	<10.0	10.0	04/12/2023	ND	194	97.2	200	0.957	
EXT DRO >C28-C36	<10.0	10.0	04/12/2023	ND					

Surrogate: 1-Chlorooctane 93.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.7 % 49.1-148

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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: 04/06/2023  
 Reported: 04/13/2023  
 Project Name: BLUEBERRY CRP 2-INCH  
 Project Number: 17833  
 Project Location: GOODNIGHT - RURAL LEA

Sampling Date: 04/06/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW 2 (H231654-09)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/12/2023	ND	1.90	94.8	2.00	1.85		
Toluene*	<0.050	0.050	04/12/2023	ND	1.94	96.9	2.00	2.03		
Ethylbenzene*	<0.050	0.050	04/12/2023	ND	2.08	104	2.00	2.51		
Total Xylenes*	<0.150	0.150	04/12/2023	ND	6.27	104	6.00	3.08		
Total BTEx	<0.300	0.300	04/12/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 120 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	04/12/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/12/2023	ND	188	94.0	200	1.99	
DRO >C10-C28*	<10.0	10.0	04/12/2023	ND	194	97.2	200	0.957	
EXT DRO >C28-C36	<10.0	10.0	04/12/2023	ND					

Surrogate: 1-Chlorooctane 86.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.0 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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---

### Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

---

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

---

Celey D. Keene, Lab Director/Quality Manager





# ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

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

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 12 of 12

Company Name: Etech Environmental & Safety Solutions, Inc.				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>											
Project Manager: <u>JOEL LOWRY</u>				P.O. #:				<div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div>											
Address: 2617 W Marland				Company: <u>Goodnight/Midstream</u>															
City: Hobbs State: NM Zip: 88240				Attn: <u>Albert Ochoa</u>															
Phone #: (575) 264-9884 Fax #:				Address: <u>5910 N Cent Expy</u>															
Project #: <u>17833</u> Project Owner: <u>Goodnight/Midstream</u>				City: <u>Dallas</u>															
Project Name: <u>Blueberry CRP 2-inch</u>				State: <u>TX</u> Zip: <u>75206</u>															
Project Location: <u>Rural Lea</u>				Phone #:															
Sampler Name: <u>Dominic Casarez</u>				Fax #:															
FOR LAB USE ONLY																			
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP. # CONTAINERS		MATRIX		PRESERV.		SAMPLING									
						GROUNDWATER													
						WASTEWATER													
						SOIL													
						OIL													
						SLUDGE													
						OTHER:													
						ACID/BASE:													
						ICE / COOL													
						OTHER:													
										DATE		TIME							
<u>H231654</u>																			
<u>DC</u>		<u>1 FL1@7</u>		<u>C 1</u>															
		<u>2 FL2@7</u>		<u>C 1</u>															
		<u>3 FL3@4</u>		<u>C 1</u>															
		<u>4 NW1</u>		<u>C 1</u>															
		<u>5 EW1</u>		<u>C 1</u>															
		<u>6 WW1</u>		<u>C 1</u>															
		<u>7 SW Def 1@1</u>		<u>C 1</u>															
		<u>8 SW Def 1@7</u>		<u>C 1</u>															
		<u>9 SW2</u>		<u>C 1</u>															
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Relinquished By: <u>[Signature]</u>				Date: <u>4-6</u>		Received By: <u>[Signature]</u>				Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:							
				Time: <u>4:41pm</u>						Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Fax #:							
Relinquished By:				Date:		Received By:				REMARKS:									
				Time:						Please email results and copy of CoC to pm@etechenv.com.									
Delivered By: (Circle One)																			
Sampler - UPS - Bus - Other:																			
				<u>1.7c / 1.1c</u>		Sample Condition				CHECKED BY:									
						Cool Intact				(Initials)									
						<input type="checkbox"/> Yes <input type="checkbox"/> No				<u>[Signature]</u>									
						<input type="checkbox"/> No <input type="checkbox"/> No													

FORM-006  
Revision 1.0

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



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

---

April 14, 2023

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: BLUEBERRY CRP 2-INCH

Enclosed are the results of analyses for samples received by the laboratory on 04/11/23 16:42.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 04/11/2023  
 Reported: 04/14/2023  
 Project Name: BLUEBERRY CRP 2-INCH  
 Project Number: 17833  
 Project Location: GOODNIGHT - RURAL LEA

Sampling Date: 04/11/2023  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Tamara Oldaker

**Sample ID: SW 3 (H231710-01)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/13/2023	ND	1.88	94.2	2.00	11.6		
Toluene*	<0.050	0.050	04/13/2023	ND	2.02	101	2.00	11.7		
Ethylbenzene*	<0.050	0.050	04/13/2023	ND	2.13	106	2.00	11.6		
Total Xylenes*	<0.150	0.150	04/13/2023	ND	6.53	109	6.00	10.1		
Total BTX	<0.300	0.300	04/13/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	04/14/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/13/2023	ND	173	86.7	200	1.50	
DRO >C10-C28*	<10.0	10.0	04/13/2023	ND	181	90.6	200	2.28	
EXT DRO >C28-C36	<10.0	10.0	04/13/2023	ND					

Surrogate: 1-Chlorooctane 130 % 48.2-134

Surrogate: 1-Chlorooctadecane 148 % 49.1-148

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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: 04/11/2023  
 Reported: 04/14/2023  
 Project Name: BLUEBERRY CRP 2-INCH  
 Project Number: 17833  
 Project Location: GOODNIGHT - RURAL LEA

Sampling Date: 04/11/2023  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Tamara Oldaker

**Sample ID: SW 4 (H231710-02)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/13/2023	ND	1.88	94.2	2.00	11.6		
Toluene*	<0.050	0.050	04/13/2023	ND	2.02	101	2.00	11.7		
Ethylbenzene*	<0.050	0.050	04/13/2023	ND	2.13	106	2.00	11.6		
Total Xylenes*	<0.150	0.150	04/13/2023	ND	6.53	109	6.00	10.1		
Total BTEx	<0.300	0.300	04/13/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

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	04/14/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/14/2023	ND	173	86.7	200	1.50	
DRO >C10-C28*	<10.0	10.0	04/14/2023	ND	181	90.6	200	2.28	
EXT DRO >C28-C36	<10.0	10.0	04/14/2023	ND					

Surrogate: 1-Chlorooctane 124 % 48.2-134

Surrogate: 1-Chlorooctadecane 138 % 49.1-148

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: 04/11/2023  
 Reported: 04/14/2023  
 Project Name: BLUEBERRY CRP 2-INCH  
 Project Number: 17833  
 Project Location: GOODNIGHT - RURAL LEA

Sampling Date: 04/11/2023  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Tamara Oldaker

**Sample ID: SW 5 (H231710-03)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/13/2023	ND	1.88	94.2	2.00	11.6		
Toluene*	<0.050	0.050	04/13/2023	ND	2.02	101	2.00	11.7		
Ethylbenzene*	<0.050	0.050	04/13/2023	ND	2.13	106	2.00	11.6		
Total Xylenes*	<0.150	0.150	04/13/2023	ND	6.53	109	6.00	10.1		
Total BTEx	<0.300	0.300	04/13/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

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	04/14/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/14/2023	ND	173	86.7	200	1.50	
DRO >C10-C28*	<10.0	10.0	04/14/2023	ND	181	90.6	200	2.28	
EXT DRO >C28-C36	<10.0	10.0	04/14/2023	ND					

Surrogate: 1-Chlorooctane 124 % 48.2-134

Surrogate: 1-Chlorooctadecane 139 % 49.1-148

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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: 04/11/2023  
 Reported: 04/14/2023  
 Project Name: BLUEBERRY CRP 2-INCH  
 Project Number: 17833  
 Project Location: GOODNIGHT - RURAL LEA

Sampling Date: 04/11/2023  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Tamara Oldaker

**Sample ID: WW 2 (H231710-04)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/13/2023	ND	1.88	94.2	2.00	11.6		
Toluene*	<0.050	0.050	04/13/2023	ND	2.02	101	2.00	11.7		
Ethylbenzene*	<0.050	0.050	04/13/2023	ND	2.13	106	2.00	11.6		
Total Xylenes*	<0.150	0.150	04/13/2023	ND	6.53	109	6.00	10.1		
Total BTEx	<0.300	0.300	04/13/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	04/14/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/14/2023	ND	173	86.7	200	1.50	
DRO >C10-C28*	<10.0	10.0	04/14/2023	ND	181	90.6	200	2.28	
EXT DRO >C28-C36	<10.0	10.0	04/14/2023	ND					

Surrogate: 1-Chlorooctane 88.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.8 % 49.1-148

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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: 04/11/2023  
 Reported: 04/14/2023  
 Project Name: BLUEBERRY CRP 2-INCH  
 Project Number: 17833  
 Project Location: GOODNIGHT - RURAL LEA

Sampling Date: 04/11/2023  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Tamara Oldaker

**Sample ID: WW 3 (H231710-05)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/13/2023	ND	1.88	94.2	2.00	11.6		
Toluene*	<0.050	0.050	04/13/2023	ND	2.02	101	2.00	11.7		
Ethylbenzene*	<0.050	0.050	04/13/2023	ND	2.13	106	2.00	11.6		
Total Xylenes*	<0.150	0.150	04/13/2023	ND	6.53	109	6.00	10.1		
Total BTEx	<0.300	0.300	04/13/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

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	04/14/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/14/2023	ND	173	86.7	200	1.50	
DRO >C10-C28*	10.4	10.0	04/14/2023	ND	181	90.6	200	2.28	
EXT DRO >C28-C36	<10.0	10.0	04/14/2023	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 129 % 49.1-148

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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: 04/11/2023  
 Reported: 04/14/2023  
 Project Name: BLUEBERRY CRP 2-INCH  
 Project Number: 17833  
 Project Location: GOODNIGHT - RURAL LEA

Sampling Date: 04/11/2023  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Tamara Oldaker

**Sample ID: EW 3 (H231710-06)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/13/2023	ND	1.88	94.2	2.00	11.6		
Toluene*	<0.050	0.050	04/13/2023	ND	2.02	101	2.00	11.7		
Ethylbenzene*	<0.050	0.050	04/13/2023	ND	2.13	106	2.00	11.6		
Total Xylenes*	<0.150	0.150	04/13/2023	ND	6.53	109	6.00	10.1		
Total BTEx	<0.300	0.300	04/13/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

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	04/14/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/14/2023	ND	173	86.7	200	1.50	
DRO >C10-C28*	<10.0	10.0	04/14/2023	ND	181	90.6	200	2.28	
EXT DRO >C28-C36	<10.0	10.0	04/14/2023	ND					

Surrogate: 1-Chlorooctane 123 % 48.2-134

Surrogate: 1-Chlorooctadecane 138 % 49.1-148

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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: 04/11/2023  
 Reported: 04/14/2023  
 Project Name: BLUEBERRY CRP 2-INCH  
 Project Number: 17833  
 Project Location: GOODNIGHT - RURAL LEA

Sampling Date: 04/11/2023  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Tamara Oldaker

**Sample ID: NW 3 (H231710-07)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/13/2023	ND	1.88	94.2	2.00	11.6		
Toluene*	<0.050	0.050	04/13/2023	ND	2.02	101	2.00	11.7		
Ethylbenzene*	<0.050	0.050	04/13/2023	ND	2.13	106	2.00	11.6		
Total Xylenes*	<0.150	0.150	04/13/2023	ND	6.53	109	6.00	10.1		
Total BTEX	<0.300	0.300	04/13/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	04/14/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/14/2023	ND	173	86.7	200	1.50	
DRO >C10-C28*	11.9	10.0	04/14/2023	ND	181	90.6	200	2.28	
EXT DRO >C28-C36	<10.0	10.0	04/14/2023	ND					

Surrogate: 1-Chlorooctane 118 % 48.2-134

Surrogate: 1-Chlorooctadecane 136 % 49.1-148

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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: 04/11/2023  
 Reported: 04/14/2023  
 Project Name: BLUEBERRY CRP 2-INCH  
 Project Number: 17833  
 Project Location: GOODNIGHT - RURAL LEA

Sampling Date: 04/11/2023  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 6 @ 4 (H231710-08)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/13/2023	ND	1.88	94.2	2.00	11.6		
Toluene*	<0.050	0.050	04/13/2023	ND	2.02	101	2.00	11.7		
Ethylbenzene*	<0.050	0.050	04/13/2023	ND	2.13	106	2.00	11.6		
Total Xylenes*	<0.150	0.150	04/13/2023	ND	6.53	109	6.00	10.1		
Total BTEx	<0.300	0.300	04/13/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

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	04/14/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/14/2023	ND	173	86.7	200	1.50	
DRO >C10-C28*	<10.0	10.0	04/14/2023	ND	181	90.6	200	2.28	
EXT DRO >C28-C36	<10.0	10.0	04/14/2023	ND					

Surrogate: 1-Chlorooctane 120 % 48.2-134

Surrogate: 1-Chlorooctadecane 139 % 49.1-148

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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: 04/11/2023  
 Reported: 04/14/2023  
 Project Name: BLUEBERRY CRP 2-INCH  
 Project Number: 17833  
 Project Location: GOODNIGHT - RURAL LEA

Sampling Date: 04/11/2023  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 7 @ 4 (H231710-09)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/13/2023	ND	1.88	94.2	2.00	11.6		
Toluene*	<0.050	0.050	04/13/2023	ND	2.02	101	2.00	11.7		
Ethylbenzene*	<0.050	0.050	04/13/2023	ND	2.13	106	2.00	11.6		
Total Xylenes*	<0.150	0.150	04/13/2023	ND	6.53	109	6.00	10.1		
Total BTEx	<0.300	0.300	04/13/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	04/14/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/14/2023	ND	173	86.7	200	1.50	
DRO >C10-C28*	<10.0	10.0	04/14/2023	ND	181	90.6	200	2.28	
EXT DRO >C28-C36	<10.0	10.0	04/14/2023	ND					

Surrogate: 1-Chlorooctane 122 % 48.2-134

Surrogate: 1-Chlorooctadecane 139 % 49.1-148

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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: 04/11/2023  
 Reported: 04/14/2023  
 Project Name: BLUEBERRY CRP 2-INCH  
 Project Number: 17833  
 Project Location: GOODNIGHT - RURAL LEA

Sampling Date: 04/11/2023  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 8 @ 5 (H231710-10)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/13/2023	ND	1.88	94.2	2.00	11.6		
Toluene*	<0.050	0.050	04/13/2023	ND	2.02	101	2.00	11.7		
Ethylbenzene*	<0.050	0.050	04/13/2023	ND	2.13	106	2.00	11.6		
Total Xylenes*	<0.150	0.150	04/13/2023	ND	6.53	109	6.00	10.1		
Total BTX	<0.300	0.300	04/13/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

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	04/14/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/14/2023	ND	173	86.7	200	1.50	
DRO >C10-C28*	<10.0	10.0	04/14/2023	ND	181	90.6	200	2.28	
EXT DRO >C28-C36	<10.0	10.0	04/14/2023	ND					

Surrogate: 1-Chlorooctane 117 % 48.2-134

Surrogate: 1-Chlorooctadecane 133 % 49.1-148

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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: 04/11/2023  
 Reported: 04/14/2023  
 Project Name: BLUEBERRY CRP 2-INCH  
 Project Number: 17833  
 Project Location: GOODNIGHT - RURAL LEA

Sampling Date: 04/11/2023  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 9 @ 2 (H231710-11)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/13/2023	ND	1.88	94.2	2.00	11.6		
Toluene*	<0.050	0.050	04/13/2023	ND	2.02	101	2.00	11.7		
Ethylbenzene*	<0.050	0.050	04/13/2023	ND	2.13	106	2.00	11.6		
Total Xylenes*	<0.150	0.150	04/13/2023	ND	6.53	109	6.00	10.1		
Total BTEx	<0.300	0.300	04/13/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

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	04/14/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/14/2023	ND	173	86.7	200	1.50	
DRO >C10-C28*	<10.0	10.0	04/14/2023	ND	181	90.6	200	2.28	
EXT DRO >C28-C36	<10.0	10.0	04/14/2023	ND					

Surrogate: 1-Chlorooctane 93.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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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: 04/11/2023  
 Reported: 04/14/2023  
 Project Name: BLUEBERRY CRP 2-INCH  
 Project Number: 17833  
 Project Location: GOODNIGHT - RURAL LEA

Sampling Date: 04/11/2023  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Tamara Oldaker

**Sample ID: E DEF 2 @ 1 (H231710-12)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/13/2023	ND	1.88	94.2	2.00	11.6		
Toluene*	<0.050	0.050	04/13/2023	ND	2.02	101	2.00	11.7		
Ethylbenzene*	<0.050	0.050	04/13/2023	ND	2.13	106	2.00	11.6		
Total Xylenes*	<0.150	0.150	04/13/2023	ND	6.53	109	6.00	10.1		
Total BTX	<0.300	0.300	04/13/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	9000	16.0	04/14/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/14/2023	ND	173	86.7	200	1.50	
DRO >C10-C28*	<10.0	10.0	04/14/2023	ND	181	90.6	200	2.28	
EXT DRO >C28-C36	<10.0	10.0	04/14/2023	ND					

Surrogate: 1-Chlorooctane 121 % 48.2-134

Surrogate: 1-Chlorooctadecane 138 % 49.1-148

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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: 04/11/2023  
 Reported: 04/14/2023  
 Project Name: BLUEBERRY CRP 2-INCH  
 Project Number: 17833  
 Project Location: GOODNIGHT - RURAL LEA

Sampling Date: 04/11/2023  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Tamara Oldaker

**Sample ID: E DEF 2 @ 5 (H231710-13)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/13/2023	ND	1.88	94.2	2.00	11.6		
Toluene*	<0.050	0.050	04/13/2023	ND	2.02	101	2.00	11.7		
Ethylbenzene*	<0.050	0.050	04/13/2023	ND	2.13	106	2.00	11.6		
Total Xylenes*	<0.150	0.150	04/13/2023	ND	6.53	109	6.00	10.1		
Total BTX	<0.300	0.300	04/13/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

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	04/14/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/14/2023	ND	173	86.7	200	1.50	
DRO >C10-C28*	<10.0	10.0	04/14/2023	ND	181	90.6	200	2.28	
EXT DRO >C28-C36	<10.0	10.0	04/14/2023	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 04/11/2023  
 Reported: 04/14/2023  
 Project Name: BLUEBERRY CRP 2-INCH  
 Project Number: 17833  
 Project Location: GOODNIGHT - RURAL LEA

Sampling Date: 04/11/2023  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Tamara Oldaker

**Sample ID: N DEF 2 @ 1 (H231710-14)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/13/2023	ND	1.88	94.2	2.00	11.6		
Toluene*	<0.050	0.050	04/13/2023	ND	2.02	101	2.00	11.7		
Ethylbenzene*	<0.050	0.050	04/13/2023	ND	2.13	106	2.00	11.6		
Total Xylenes*	<0.150	0.150	04/13/2023	ND	6.53	109	6.00	10.1		
Total BTEx	<0.300	0.300	04/13/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	688	16.0	04/14/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/14/2023	ND	173	86.7	200	1.50	
DRO >C10-C28*	<10.0	10.0	04/14/2023	ND	181	90.6	200	2.28	
EXT DRO >C28-C36	<10.0	10.0	04/14/2023	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 137 % 49.1-148

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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: 04/11/2023  
 Reported: 04/14/2023  
 Project Name: BLUEBERRY CRP 2-INCH  
 Project Number: 17833  
 Project Location: GOODNIGHT - RURAL LEA

Sampling Date: 04/11/2023  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Tamara Oldaker

**Sample ID: N DEF 2 @ 4 (H231710-15)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/13/2023	ND	1.88	94.2	2.00	11.6		
Toluene*	<0.050	0.050	04/13/2023	ND	2.02	101	2.00	11.7		
Ethylbenzene*	<0.050	0.050	04/13/2023	ND	2.13	106	2.00	11.6		
Total Xylenes*	<0.150	0.150	04/13/2023	ND	6.53	109	6.00	10.1		
Total BTX	<0.300	0.300	04/13/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

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	04/14/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/14/2023	ND	173	86.7	200	1.50	
DRO >C10-C28*	<10.0	10.0	04/14/2023	ND	181	90.6	200	2.28	
EXT DRO >C28-C36	<10.0	10.0	04/14/2023	ND					

Surrogate: 1-Chlorooctane 118 % 48.2-134

Surrogate: 1-Chlorooctadecane 136 % 49.1-148

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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: 04/11/2023  
 Reported: 04/14/2023  
 Project Name: BLUEBERRY CRP 2-INCH  
 Project Number: 17833  
 Project Location: GOODNIGHT - RURAL LEA

Sampling Date: 04/11/2023  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Tamara Oldaker

**Sample ID: E HORZ @ SUR (H231710-16)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/13/2023	ND	1.88	94.2	2.00	11.6		
Toluene*	<0.050	0.050	04/13/2023	ND	2.02	101	2.00	11.7		
Ethylbenzene*	<0.050	0.050	04/13/2023	ND	2.13	106	2.00	11.6		
Total Xylenes*	<0.150	0.150	04/13/2023	ND	6.53	109	6.00	10.1		
Total BTEx	<0.300	0.300	04/13/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

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	04/14/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/14/2023	ND	173	86.7	200	1.50	
DRO >C10-C28*	<10.0	10.0	04/14/2023	ND	181	90.6	200	2.28	
EXT DRO >C28-C36	<10.0	10.0	04/14/2023	ND					

Surrogate: 1-Chlorooctane 116 % 48.2-134

Surrogate: 1-Chlorooctadecane 132 % 49.1-148

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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: 04/11/2023  
 Reported: 04/14/2023  
 Project Name: BLUEBERRY CRP 2-INCH  
 Project Number: 17833  
 Project Location: GOODNIGHT - RURAL LEA

Sampling Date: 04/11/2023  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Tamara Oldaker

**Sample ID: E HORZ @ 1 (H231710-17)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/13/2023	ND	1.88	94.2	2.00	11.6		
Toluene*	<0.050	0.050	04/13/2023	ND	2.02	101	2.00	11.7		
Ethylbenzene*	<0.050	0.050	04/13/2023	ND	2.13	106	2.00	11.6		
Total Xylenes*	<0.150	0.150	04/13/2023	ND	6.53	109	6.00	10.1		
Total BTEx	<0.300	0.300	04/13/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

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	04/14/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/14/2023	ND	173	86.7	200	1.50	
DRO >C10-C28*	<10.0	10.0	04/14/2023	ND	181	90.6	200	2.28	
EXT DRO >C28-C36	<10.0	10.0	04/14/2023	ND					

Surrogate: 1-Chlorooctane 120 % 48.2-134

Surrogate: 1-Chlorooctadecane 133 % 49.1-148

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---

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### Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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

---

Celey D. Keene, Lab Director/Quality Manager



# **CARDINAL LABORATORIES**

101 East Marland, Hobbs, NM 88240

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

## **CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

Page 20 of 21

<b>Company Name:</b> Etech Environmental & Safety Solutions, Inc.				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>																																																																																																																																																																																																
<b>Project Manager:</b> Joel Lowry				<b>P.O. #:</b>				<div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div>																																																																																																																																																																																																
<b>Address:</b> P.O. Box 301				<b>Company:</b> Good Night																																																																																																																																																																																																				
<b>City:</b> Lovington		<b>State:</b> NM		<b>Zip:</b> 88260		<b>Attn:</b> Albert Ochoa																																																																																																																																																																																																		
<b>Phone #:</b> (575) 396-2378		<b>Fax #:</b> (575) 396-1429		<b>Address:</b> 5910 N Central exp																																																																																																																																																																																																				
<b>Project #:</b> 17833		<b>Project Owner:</b> Goodnight / mid		<b>City:</b> Dallas																																																																																																																																																																																																				
<b>Project Name:</b> Blueberry CRP 2 inch				<b>State:</b> TX																<b>Zip:</b>																																																																																																																																																																																				
<b>Project Location:</b> Rural Lea				<b>Phone #:</b>																																																																																																																																																																																																				
<b>Sampler Name:</b> Dominic Casarez				<b>Fax #:</b>																																																																																																																																																																																																				
<div style="display: flex;"> <div style="flex: 1;"> <b>FOR LAB USE ONLY</b> </div> <div style="flex: 2;"> <table border="1"> <thead> <tr> <th rowspan="2">Lab I.D.</th> <th rowspan="2">Sample I.D.</th> <th rowspan="2">(G)RAB OR (C)OMP.</th> <th rowspan="2"># CONTAINERS</th> <th colspan="6">MATRIX</th> <th colspan="2">PRESERV.</th> <th colspan="2">SAMPLING</th> <th rowspan="2">DATE</th> <th rowspan="2">TIME</th> </tr> <tr> <th>GROUNDWATER</th> <th>WASTEWATER</th> <th>SOIL</th> <th>OIL</th> <th>SLUDGE</th> <th>OTHER</th> <th>ACID/BASE</th> <th>ICE / COOL</th> <th>OTHER</th> </tr> </thead> <tbody> <tr> <td>H231710</td> <td>DC 1 SW3</td> <td>C</td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>4-11</td> <td></td> </tr> <tr> <td></td> <td>2 SW4</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>3 SW5</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>4 WW2</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>5 WW3</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>6 EW3</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>7 NW3</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>8 FL6 @4</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>9 FL7 @4</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>10 FL8 @5</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> </div> </div>																Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.		SAMPLING		DATE	TIME	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER	H231710	DC 1 SW3	C	1											4-11			2 SW4																3 SW5																4 WW2																5 WW3																6 EW3																7 NW3																8 FL6 @4																9 FL7 @4																10 FL8 @5														
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FORM-006  
Revision 1.0

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





## ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

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

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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

---

April 13, 2023

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: BLUEBERRY CRP 2-INCH

Enclosed are the results of analyses for samples received by the laboratory on 04/12/23 16:43.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received: 04/12/2023  
 Reported: 04/13/2023  
 Project Name: BLUEBERRY CRP 2-INCH  
 Project Number: 17833  
 Project Location: GOODNIGHT - RURAL LEA

Sampling Date: 04/12/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 5 @ 12 (H231753-01)**

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/12/2023	ND	1.71	85.3	2.00	10.6		
Toluene*	<0.050	0.050	04/12/2023	ND	1.90	95.1	2.00	7.22		
Ethylbenzene*	<0.050	0.050	04/12/2023	ND	1.96	97.8	2.00	6.03		
Total Xylenes*	<0.150	0.150	04/12/2023	ND	5.86	97.7	6.00	7.16		
Total BTX	<0.300	0.300	04/12/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	04/13/2023	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/13/2023	ND	202	101	200	3.53	
DRO >C10-C28*	<10.0	10.0	04/13/2023	ND	200	100	200	3.10	
EXT DRO >C28-C36	<10.0	10.0	04/13/2023	ND					

Surrogate: 1-Chlorooctane 94.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.7 % 49.1-148

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: 04/12/2023  
 Reported: 04/13/2023  
 Project Name: BLUEBERRY CRP 2-INCH  
 Project Number: 17833  
 Project Location: GOODNIGHT - RURAL LEA

Sampling Date: 04/12/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: EW DEF 4 @ 1 (H231753-02)**

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/12/2023	ND	1.71	85.3	2.00	10.6		
Toluene*	<0.050	0.050	04/12/2023	ND	1.90	95.1	2.00	7.22		
Ethylbenzene*	<0.050	0.050	04/12/2023	ND	1.96	97.8	2.00	6.03		
Total Xylenes*	<0.150	0.150	04/12/2023	ND	5.86	97.7	6.00	7.16		
Total BTX	<0.300	0.300	04/12/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	384	16.0	04/13/2023	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/13/2023	ND	202	101	200	3.53	
DRO >C10-C28*	<10.0	10.0	04/13/2023	ND	200	100	200	3.10	
EXT DRO >C28-C36	<10.0	10.0	04/13/2023	ND					

Surrogate: 1-Chlorooctane 91.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.4 % 49.1-148

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: 04/12/2023  
 Reported: 04/13/2023  
 Project Name: BLUEBERRY CRP 2-INCH  
 Project Number: 17833  
 Project Location: GOODNIGHT - RURAL LEA

Sampling Date: 04/12/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: EW DEF 4 @ 7 (H231753-03)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/12/2023	ND	1.71	85.3	2.00	10.6		
Toluene*	<0.050	0.050	04/12/2023	ND	1.90	95.1	2.00	7.22		
Ethylbenzene*	<0.050	0.050	04/12/2023	ND	1.96	97.8	2.00	6.03		
Total Xylenes*	<0.150	0.150	04/12/2023	ND	5.86	97.7	6.00	7.16		
Total BTEX	<0.300	0.300	04/12/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	04/13/2023	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/13/2023	ND	202	101	200	3.53	
DRO >C10-C28*	<10.0	10.0	04/13/2023	ND	200	100	200	3.10	
EXT DRO >C28-C36	<10.0	10.0	04/13/2023	ND					

Surrogate: 1-Chlorooctane 95.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.4 % 49.1-148

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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: 04/12/2023  
 Reported: 04/13/2023  
 Project Name: BLUEBERRY CRP 2-INCH  
 Project Number: 17833  
 Project Location: GOODNIGHT - RURAL LEA

Sampling Date: 04/12/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: DEF 1 @ 1 (H231753-04)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/12/2023	ND	1.71	85.3	2.00	10.6		
Toluene*	<0.050	0.050	04/12/2023	ND	1.90	95.1	2.00	7.22		
Ethylbenzene*	<0.050	0.050	04/12/2023	ND	1.96	97.8	2.00	6.03		
Total Xylenes*	<0.150	0.150	04/12/2023	ND	5.86	97.7	6.00	7.16		
Total BTEX	<0.300	0.300	04/12/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	24800	16.0	04/13/2023	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/13/2023	ND	193	96.4	200	1.13	
DRO >C10-C28*	<10.0	10.0	04/13/2023	ND	188	94.2	200	2.20	
EXT DRO >C28-C36	<10.0	10.0	04/13/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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: 04/12/2023  
 Reported: 04/13/2023  
 Project Name: BLUEBERRY CRP 2-INCH  
 Project Number: 17833  
 Project Location: GOODNIGHT - RURAL LEA

Sampling Date: 04/12/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: DEF 1 @ 2 (H231753-05)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/13/2023	ND	1.93	96.3	2.00	9.25	
Toluene*	<0.050	0.050	04/13/2023	ND	2.04	102	2.00	8.99	
Ethylbenzene*	<0.050	0.050	04/13/2023	ND	2.14	107	2.00	8.82	
Total Xylenes*	<0.150	0.150	04/13/2023	ND	6.55	109	6.00	7.82	
Total BTX	<0.300	0.300	04/13/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	04/13/2023	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/13/2023	ND	193	96.4	200	1.13	
DRO >C10-C28*	<10.0	10.0	04/13/2023	ND	188	94.2	200	2.20	
EXT DRO >C28-C36	<10.0	10.0	04/13/2023	ND					

Surrogate: 1-Chlorooctane 84.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.0 % 49.1-148

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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: 04/12/2023  
 Reported: 04/13/2023  
 Project Name: BLUEBERRY CRP 2-INCH  
 Project Number: 17833  
 Project Location: GOODNIGHT - RURAL LEA

Sampling Date: 04/12/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: W HORZ 1 @ SUR (H231753-06)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/13/2023	ND	1.93	96.3	2.00	9.25		
Toluene*	<0.050	0.050	04/13/2023	ND	2.04	102	2.00	8.99		
Ethylbenzene*	<0.050	0.050	04/13/2023	ND	2.14	107	2.00	8.82		
Total Xylenes*	<0.150	0.150	04/13/2023	ND	6.55	109	6.00	7.82		
Total BTX	<0.300	0.300	04/13/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	04/13/2023	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/13/2023	ND	193	96.4	200	1.13	
DRO >C10-C28*	<10.0	10.0	04/13/2023	ND	188	94.2	200	2.20	
EXT DRO >C28-C36	<10.0	10.0	04/13/2023	ND					

Surrogate: 1-Chlorooctane 97.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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: 04/12/2023  
 Reported: 04/13/2023  
 Project Name: BLUEBERRY CRP 2-INCH  
 Project Number: 17833  
 Project Location: GOODNIGHT - RURAL LEA

Sampling Date: 04/12/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: W HORZ 1 @ 1 (H231753-07)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/13/2023	ND	1.93	96.3	2.00	9.25		
Toluene*	<0.050	0.050	04/13/2023	ND	2.04	102	2.00	8.99		
Ethylbenzene*	<0.050	0.050	04/13/2023	ND	2.14	107	2.00	8.82		
Total Xylenes*	<0.150	0.150	04/13/2023	ND	6.55	109	6.00	7.82		
Total BTX	<0.300	0.300	04/13/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	04/13/2023	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/13/2023	ND	193	96.4	200	1.13	
DRO >C10-C28*	<10.0	10.0	04/13/2023	ND	188	94.2	200	2.20	
EXT DRO >C28-C36	<10.0	10.0	04/13/2023	ND					

Surrogate: 1-Chlorooctane 98.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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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: 04/12/2023  
 Reported: 04/13/2023  
 Project Name: BLUEBERRY CRP 2-INCH  
 Project Number: 17833  
 Project Location: GOODNIGHT - RURAL LEA

Sampling Date: 04/12/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S HORZ 1 @ SUR (H231753-08)**

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/13/2023	ND	1.88	93.8	2.00	5.54		
Toluene*	<0.050	0.050	04/13/2023	ND	1.98	98.9	2.00	5.77		
Ethylbenzene*	<0.050	0.050	04/13/2023	ND	2.05	103	2.00	6.23		
Total Xylenes*	<0.150	0.150	04/13/2023	ND	6.19	103	6.00	6.49		
Total BTX	<0.300	0.300	04/13/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	04/13/2023	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/13/2023	ND	193	96.4	200	1.13	
DRO >C10-C28*	<10.0	10.0	04/13/2023	ND	188	94.2	200	2.20	
EXT DRO >C28-C36	<10.0	10.0	04/13/2023	ND					

Surrogate: 1-Chlorooctane 97.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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: 04/12/2023  
 Reported: 04/13/2023  
 Project Name: BLUEBERRY CRP 2-INCH  
 Project Number: 17833  
 Project Location: GOODNIGHT - RURAL LEA

Sampling Date: 04/12/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S HORZ 1 @ 1 (H231753-09)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/13/2023	ND	1.88	93.8	2.00	5.54	
Toluene*	<0.050	0.050	04/13/2023	ND	1.98	98.9	2.00	5.77	
Ethylbenzene*	<0.050	0.050	04/13/2023	ND	2.05	103	2.00	6.23	
Total Xylenes*	<0.150	0.150	04/13/2023	ND	6.19	103	6.00	6.49	
Total BTEX	<0.300	0.300	04/13/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	04/13/2023	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/13/2023	ND	193	96.4	200	1.13	
DRO >C10-C28*	<10.0	10.0	04/13/2023	ND	188	94.2	200	2.20	
EXT DRO >C28-C36	<10.0	10.0	04/13/2023	ND					

Surrogate: 1-Chlorooctane 95.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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### Notes and Definitions

QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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\*=Accredited Analyte

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

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

Celey D. Keene, Lab Director/Quality Manager

**ARDINAL LABORATORIES**

101 East Marland, Hobbs, NM 88240

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

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Etech Environmental & Safety Solutions, Inc.				BILL TO				ANALYSIS REQUEST																			
Project Manager: Joel Lowry				P.O. #:				Chloride TPH (8015M) BTEX (8021B)																			
Address: P.O. Box 301				Company: Goodnight																							
City: Lovington State: NM Zip: 88260				Attn: Albert Ochoa																							
Phone #: (575) 396-2378 Fax #: (575) 396-1429				Address: 5910 A Cent Ex																							
Project #: 17833 Project Owner: Goodnight				City: Dallas																							
Project Name: Blueberry CRP 2 inch				State: TX Zip:																							
Project Location: Rural Lea				Phone #:																							
Sampler Name: Dominic Casarez				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															
H231753		DC		1		FLS@12		C1				4-12															
		2		EW Def 4 @ 1																							
		3		EW Def 4 @ 7																							
		4		Def 1 @ 1																							
		5		Def 1 @ 2																							
		6		W Horz 1 @ Sur																							
		7		W Horz 1 @ 1																							
		8		S Horz 1 @ Sur																							
		9		S Horz 1 @ 1																							
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: [Signature]				Date: 4-12		Received By: [Signature]				Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No				Add'l Phone #:													
				Time: 1643						Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No				Add'l Fax #:													
Relinquished By:				Date:		Received By:				REMARKS:																	
				Time:																							
Delivered By: (Circle One)				#113		Sample Condition				CHECKED BY:				Please email results to pm@etechenv.com.													
Sampler - UPS - Bus - Other:				4.3°C / 3.7°C		Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>				(Initials)				Rush! 24hrs.													
						Yes <input type="checkbox"/> No <input type="checkbox"/>				Yes <input type="checkbox"/> No <input type="checkbox"/>																	

FORM-006  
Revision 1.0

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



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

---

April 19, 2023

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: BLUEBERRY CRP 2-INCH

Enclosed are the results of analyses for samples received by the laboratory on 04/18/23 12:20.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received: 04/18/2023  
 Reported: 04/19/2023  
 Project Name: BLUEBERRY CRP 2-INCH  
 Project Number: 17833  
 Project Location: GOODNIGHT - RURAL LEA

Sampling Date: 04/18/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: DEF 1 @ 4" (H231853-01)****Chloride, SM4500Cl-B****mg/kg****Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>20000</b>	16.0	04/19/2023	ND	400	100	400	3.92	

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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---

### Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

---

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

---

Celey D. Keene, Lab Director/Quality Manager

**ARDINAL LABORATORIES**

101 East Marland, Hobbs, NM 88240

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

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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

---

April 28, 2023

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: BLUEBERRY CRP 2-INCH

Enclosed are the results of analyses for samples received by the laboratory on 04/27/23 14:52.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	04/27/2023	Sampling Date:	04/26/2023
Reported:	04/28/2023	Sampling Type:	Soil
Project Name:	BLUEBERRY CRP 2-INCH	Sampling Condition:	Cool & Intact
Project Number:	17833	Sample Received By:	Tamara Oldaker
Project Location:	GOODNIGHT - RURAL LEA		

**Sample ID: WW 3 B (H232082-01)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/28/2023	ND	2.14	107	2.00	0.969		
Toluene*	<0.050	0.050	04/28/2023	ND	2.22	111	2.00	0.634		
Ethylbenzene*	<0.050	0.050	04/28/2023	ND	2.17	108	2.00	1.13		
Total Xylenes*	<0.150	0.150	04/28/2023	ND	6.72	112	6.00	2.29		
Total BTEx	<0.300	0.300	04/28/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	04/28/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2023	ND	187	93.6	200	0.240	
DRO >C10-C28*	<10.0	10.0	04/28/2023	ND	155	77.6	200	7.60	
EXT DRO >C28-C36	<10.0	10.0	04/28/2023	ND					

Surrogate: 1-Chlorooctane 117 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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: 04/27/2023  
 Reported: 04/28/2023  
 Project Name: BLUEBERRY CRP 2-INCH  
 Project Number: 17833  
 Project Location: GOODNIGHT - RURAL LEA

Sampling Date: 04/26/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: NW 3 B (H232082-02)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/28/2023	ND	2.14	107	2.00	0.969		
Toluene*	<0.050	0.050	04/28/2023	ND	2.22	111	2.00	0.634		
Ethylbenzene*	<0.050	0.050	04/28/2023	ND	2.17	108	2.00	1.13		
Total Xylenes*	<0.150	0.150	04/28/2023	ND	6.72	112	6.00	2.29		
Total BTEX	<0.300	0.300	04/28/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	04/28/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2023	ND	187	93.6	200	0.240	
DRO >C10-C28*	<10.0	10.0	04/28/2023	ND	155	77.6	200	7.60	
EXT DRO >C28-C36	<10.0	10.0	04/28/2023	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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: 04/27/2023  
 Reported: 04/28/2023  
 Project Name: BLUEBERRY CRP 2-INCH  
 Project Number: 17833  
 Project Location: GOODNIGHT - RURAL LEA

Sampling Date: 04/26/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW 6 (H232082-03)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/28/2023	ND	2.14	107	2.00	0.969	
Toluene*	<0.050	0.050	04/28/2023	ND	2.22	111	2.00	0.634	
Ethylbenzene*	<0.050	0.050	04/28/2023	ND	2.17	108	2.00	1.13	
Total Xylenes*	<0.150	0.150	04/28/2023	ND	6.72	112	6.00	2.29	
Total BTEx	<0.300	0.300	04/28/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	512	16.0	04/28/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2023	ND	187	93.6	200	0.240	
DRO >C10-C28*	<10.0	10.0	04/28/2023	ND	155	77.6	200	7.60	
EXT DRO >C28-C36	<10.0	10.0	04/28/2023	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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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: 04/27/2023  
 Reported: 04/28/2023  
 Project Name: BLUEBERRY CRP 2-INCH  
 Project Number: 17833  
 Project Location: GOODNIGHT - RURAL LEA

Sampling Date: 04/26/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW 7 B (H232082-04)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/28/2023	ND	2.14	107	2.00	0.969	
Toluene*	<0.050	0.050	04/28/2023	ND	2.22	111	2.00	0.634	
Ethylbenzene*	<0.050	0.050	04/28/2023	ND	2.17	108	2.00	1.13	
Total Xylenes*	<0.150	0.150	04/28/2023	ND	6.72	112	6.00	2.29	
Total BTEX	<0.300	0.300	04/28/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	04/28/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2023	ND	187	93.6	200	0.240	
DRO >C10-C28*	<10.0	10.0	04/28/2023	ND	155	77.6	200	7.60	
EXT DRO >C28-C36	<10.0	10.0	04/28/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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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: 04/27/2023  
 Reported: 04/28/2023  
 Project Name: BLUEBERRY CRP 2-INCH  
 Project Number: 17833  
 Project Location: GOODNIGHT - RURAL LEA

Sampling Date: 04/26/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL - 3 B @ 3.5' (H232082-05)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/28/2023	ND	2.14	107	2.00	0.969		
Toluene*	<0.050	0.050	04/28/2023	ND	2.22	111	2.00	0.634		
Ethylbenzene*	<0.050	0.050	04/28/2023	ND	2.17	108	2.00	1.13		
Total Xylenes*	<0.150	0.150	04/28/2023	ND	6.72	112	6.00	2.29		
Total BTEx	<0.300	0.300	04/28/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	04/28/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2023	ND	187	93.6	200	0.240	
DRO >C10-C28*	<10.0	10.0	04/28/2023	ND	155	77.6	200	7.60	
EXT DRO >C28-C36	<10.0	10.0	04/28/2023	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.9 % 49.1-148

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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: 04/27/2023  
 Reported: 04/28/2023  
 Project Name: BLUEBERRY CRP 2-INCH  
 Project Number: 17833  
 Project Location: GOODNIGHT - RURAL LEA

Sampling Date: 04/26/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL - 4 B @ 3.5' (H232082-06)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/28/2023	ND	2.14	107	2.00	0.969		
Toluene*	<0.050	0.050	04/28/2023	ND	2.22	111	2.00	0.634		
Ethylbenzene*	<0.050	0.050	04/28/2023	ND	2.17	108	2.00	1.13		
Total Xylenes*	<0.150	0.150	04/28/2023	ND	6.72	112	6.00	2.29		
Total BTEX	<0.300	0.300	04/28/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5680	16.0	04/28/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2023	ND	187	93.6	200	0.240	
DRO >C10-C28*	<10.0	10.0	04/28/2023	ND	155	77.6	200	7.60	
EXT DRO >C28-C36	<10.0	10.0	04/28/2023	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.6 % 49.1-148

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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: 04/27/2023  
 Reported: 04/28/2023  
 Project Name: BLUEBERRY CRP 2-INCH  
 Project Number: 17833  
 Project Location: GOODNIGHT - RURAL LEA

Sampling Date: 04/26/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL - 5 B @ 4' (H232082-07)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/28/2023	ND	2.14	107	2.00	0.969	
Toluene*	<0.050	0.050	04/28/2023	ND	2.22	111	2.00	0.634	
Ethylbenzene*	<0.050	0.050	04/28/2023	ND	2.17	108	2.00	1.13	
Total Xylenes*	<0.150	0.150	04/28/2023	ND	6.72	112	6.00	2.29	
Total BTEx	<0.300	0.300	04/28/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

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	04/28/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2023	ND	187	93.6	200	0.240	
DRO >C10-C28*	<10.0	10.0	04/28/2023	ND	155	77.6	200	7.60	
EXT DRO >C28-C36	<10.0	10.0	04/28/2023	ND					

Surrogate: 1-Chlorooctane 99.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.1 % 49.1-148

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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: 04/27/2023  
 Reported: 04/28/2023  
 Project Name: BLUEBERRY CRP 2-INCH  
 Project Number: 17833  
 Project Location: GOODNIGHT - RURAL LEA

Sampling Date: 04/26/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL - 6 B @ 3' (H232082-08)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/28/2023	ND	2.14	107	2.00	0.969	
Toluene*	<0.050	0.050	04/28/2023	ND	2.22	111	2.00	0.634	
Ethylbenzene*	<0.050	0.050	04/28/2023	ND	2.17	108	2.00	1.13	
Total Xylenes*	<0.150	0.150	04/28/2023	ND	6.72	112	6.00	2.29	
Total BTEx	<0.300	0.300	04/28/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

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	04/28/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2023	ND	187	93.6	200	0.240	
DRO >C10-C28*	<10.0	10.0	04/28/2023	ND	155	77.6	200	7.60	
EXT DRO >C28-C36	<10.0	10.0	04/28/2023	ND					

Surrogate: 1-Chlorooctane 94.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.0 % 49.1-148

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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: 04/27/2023  
 Reported: 04/28/2023  
 Project Name: BLUEBERRY CRP 2-INCH  
 Project Number: 17833  
 Project Location: GOODNIGHT - RURAL LEA

Sampling Date: 04/26/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL - 7 B @ 1' (H232082-09)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/28/2023	ND	2.14	107	2.00	0.969		
Toluene*	<0.050	0.050	04/28/2023	ND	2.22	111	2.00	0.634		
Ethylbenzene*	<0.050	0.050	04/28/2023	ND	2.17	108	2.00	1.13		
Total Xylenes*	<0.150	0.150	04/28/2023	ND	6.72	112	6.00	2.29		
Total BTEX	<0.300	0.300	04/28/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	04/28/2023	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2023	ND	187	93.6	200	0.240	
DRO >C10-C28*	<10.0	10.0	04/28/2023	ND	155	77.6	200	7.60	
EXT DRO >C28-C36	<10.0	10.0	04/28/2023	ND					

Surrogate: 1-Chlorooctane 92.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



---

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---

### Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

---

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

---

Celey D. Keene, Lab Director/Quality Manager



## CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

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

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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

---

May 01, 2023

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: BLUEBERRY CRP 2-INCH

Enclosed are the results of analyses for samples received by the laboratory on 04/28/23 14:53.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 04/28/2023  
 Reported: 05/01/2023  
 Project Name: BLUEBERRY CRP 2-INCH  
 Project Number: 17833  
 Project Location: GOODNIGHT - RURAL LEA

Sampling Date: 04/28/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL #1 @ 16' (H232105-01)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/28/2023	ND	2.02	101	2.00	0.732		
Toluene*	<0.050	0.050	04/28/2023	ND	2.05	103	2.00	0.898		
Ethylbenzene*	<0.050	0.050	04/28/2023	ND	2.07	103	2.00	0.422		
Total Xylenes*	<0.150	0.150	04/28/2023	ND	6.27	105	6.00	0.819		
Total BTX	<0.300	0.300	04/28/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	31200	16.0	05/01/2023	ND	432	108	400	7.14		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/29/2023	ND	201	101	200	3.36	
DRO >C10-C28*	25.6	10.0	04/29/2023	ND	195	97.4	200	2.46	
EXT DRO >C28-C36	12.2	10.0	04/29/2023	ND					

Surrogate: 1-Chlorooctane 120 % 48.2-134

Surrogate: 1-Chlorooctadecane 129 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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



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

**Analytical Results For:**

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

Received: 04/28/2023  
 Reported: 05/01/2023  
 Project Name: BLUEBERRY CRP 2-INCH  
 Project Number: 17833  
 Project Location: GOODNIGHT - RURAL LEA

Sampling Date: 04/28/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL #2 @ 9' (H232105-02)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/28/2023	ND	2.02	101	2.00	0.732		
Toluene*	<0.050	0.050	04/28/2023	ND	2.05	103	2.00	0.898		
Ethylbenzene*	<0.050	0.050	04/28/2023	ND	2.07	103	2.00	0.422		
Total Xylenes*	<0.150	0.150	04/28/2023	ND	6.27	105	6.00	0.819		
Total BTX	<0.300	0.300	04/28/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	560	16.0	05/01/2023	ND	432	108	400	7.14		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/29/2023	ND	201	101	200	3.36	
DRO >C10-C28*	<10.0	10.0	04/29/2023	ND	195	97.4	200	2.46	
EXT DRO >C28-C36	<10.0	10.0	04/29/2023	ND					

Surrogate: 1-Chlorooctane 129 % 48.2-134

Surrogate: 1-Chlorooctadecane 139 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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

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





---

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

---

### Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

---

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\*=Accredited Analyte

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A handwritten signature in black ink, appearing to read "Mike Snyder", is written over a horizontal line.

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

### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

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

Company Name: Etech Environmental & Safety Solutions, Inc.

Project Manager: Joel Lowry

Address: P.O. Box 301

City: Lovington

State: NM Zip: 88260

Phone #: (575) 396-2378

Fax #: (575) 396-1429

Project #: 17833

Project Owner: Goodnight m

Project Name: Blue berry CRP 2 inch

Project Location: Rural Lea County, NM

Sampler Name: Aaron Rios

BILL TO

P.O. #:

Company: Goodnight m

Attn:

Address:

City:

State: Zip:

Phone #:

Fax #:

ANALYSIS REQUEST

Chloride

TPH (8015M)

BTEX (8021B)

FOR LAB USE ONLY

Lab I.D.

Sample I.D.

MATRIX

PRESERV.

SAMPLING

(GRAB OR (C)OMP.

# CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

DATE

TIME

FL # 1 @ 16 Ft  
FL # 2 @ 9 Ft

X

X

X

X

X

X

4-28-23

4-28-23

X

X

X

X

X

X

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:

Received By:

Time:

Received By:

Date:

Time:

Phone Result:

☐ Yes ☐ No

Add'l Phone #:

Fax Result:

☐ Yes ☐ No

Add'l Fax #:

REMARKS:

Relinquished By:

Delivered By: (Circle One)

Sampler: UPS - Bus - Other:

Sample Condition

Cool Intact

☐ Yes ☐ No

☐ No ☐ No

CHECKED BY:

(Initials)

Please email results to pm@etechenv.com.

FORM-006

Revision 1.0

† Cardinal cannot accept verbal changes. Please fax written changes.

FORM-006  
Revision 1.0

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



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

---

May 04, 2023

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: BLUEBERRY CRP 2-INCH

Enclosed are the results of analyses for samples received by the laboratory on 05/03/23 15:20.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 05/03/2023  
 Reported: 05/04/2023  
 Project Name: BLUEBERRY CRP 2-INCH  
 Project Number: 17833  
 Project Location: GOODNIGHT - RURAL LEA

Sampling Date: 05/02/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW # 6 B (H232197-01)**

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	05/04/2023	ND	400	100	400	3.92	

**Sample ID: FL # 2 B @ 10' (H232197-02)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	05/04/2023	ND	400	100	400	3.92	

**Sample ID: FL # 4 B @ 5' (H232197-03)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	05/04/2023	ND	400	100	400	3.92	

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

Celey D. Keene, Lab Director/Quality Manager



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





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

---

May 10, 2023

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: BLUEBERRY CRP 2-INCH

Enclosed are the results of analyses for samples received by the laboratory on 05/05/23 16:27.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 05/05/2023  
 Reported: 05/10/2023  
 Project Name: BLUEBERRY CRP 2-INCH  
 Project Number: 17833  
 Project Location: GOODNIGHT - RURAL LEA

Sampling Date: 05/05/2023  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 1 (H232253-01)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2560	16.0	05/09/2023	ND	400	100	400	3.92	
TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/08/2023	ND	183	91.3	200	1.12	
DRO >C10-C28*	<10.0	10.0	05/08/2023	ND	185	92.6	200	1.42	
EXT DRO >C28-C36	<10.0	10.0	05/08/2023	ND					
Surrogate: 1-Chlorooctane	74.0 %	48.2-134							
Surrogate: 1-Chlorooctadecane	85.5 %	49.1-148							

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

---

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\*=Accredited Analyte

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

---

Celey D. Keene, Lab Director/Quality Manager

**ARDINAL LABORATORIES**

101 East Marland, Hobbs, NM 88240

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

### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

FORM-006  
Revision 1.0

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



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

May 09, 2023

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: BLUEBERRY CRP 2-INCH

Enclosed are the results of analyses for samples received by the laboratory on 05/08/23 14:40.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 05/08/2023  
 Reported: 05/09/2023  
 Project Name: BLUEBERRY CRP 2-INCH  
 Project Number: 17833  
 Project Location: GOODNIGHT - RURAL LEA

Sampling Date: 05/08/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL - 1 @ 20' (H232267-01)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1470	16.0	05/09/2023	ND	416	104	400	0.00	

**Sample ID: FL - 1 @ 22' (H232267-02)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	800	16.0	05/09/2023	ND	416	104	400	0.00	

**Sample ID: FL - 1 @ 23' (H232267-03)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	05/09/2023	ND	416	104	400	0.00	

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

---

### Notes and Definitions

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

---

Cardinal Laboratories

\*=Accredited Analyte

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

---

Caley D. Keene, Lab Director/Quality Manager





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

---

May 17, 2023

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: BLUEBERRY CRP 2-INCH

Enclosed are the results of analyses for samples received by the laboratory on 05/12/23 15:07.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 05/12/2023  
 Reported: 05/17/2023  
 Project Name: BLUEBERRY CRP 2-INCH  
 Project Number: 17833  
 Project Location: GOODNIGHT - RURAL LEA

Sampling Date: 05/12/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: NHSR (H232405-01)**

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/15/2023	ND	2.11	106	2.00	2.73	
Toluene*	<0.050	0.050	05/15/2023	ND	2.17	109	2.00	0.935	
Ethylbenzene*	<0.050	0.050	05/15/2023	ND	2.13	107	2.00	0.976	
Total Xylenes*	<0.150	0.150	05/15/2023	ND	6.57	110	6.00	0.0201	
Total BTX	<0.300	0.300	05/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	05/16/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/15/2023	ND	215	108	200	1.05	
DRO >C10-C28*	<10.0	10.0	05/15/2023	ND	201	100	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	05/15/2023	ND					

Surrogate: 1-Chlorooctane 94.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.9 % 49.1-148

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: 05/12/2023  
 Reported: 05/17/2023  
 Project Name: BLUEBERRY CRP 2-INCH  
 Project Number: 17833  
 Project Location: GOODNIGHT - RURAL LEA

Sampling Date: 05/12/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SHSR (H232405-02)**

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/15/2023	ND	2.11	106	2.00	2.73		
Toluene*	<0.050	0.050	05/15/2023	ND	2.17	109	2.00	0.935		
Ethylbenzene*	<0.050	0.050	05/15/2023	ND	2.13	107	2.00	0.976		
Total Xylenes*	<0.150	0.150	05/15/2023	ND	6.57	110	6.00	0.0201		
Total BTX	<0.300	0.300	05/15/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

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	05/16/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/15/2023	ND	215	108	200	1.05	
DRO >C10-C28*	<10.0	10.0	05/15/2023	ND	201	100	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	05/15/2023	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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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: 05/12/2023  
 Reported: 05/17/2023  
 Project Name: BLUEBERRY CRP 2-INCH  
 Project Number: 17833  
 Project Location: GOODNIGHT - RURAL LEA

Sampling Date: 05/12/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: WHSR (H232405-03)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/15/2023	ND	2.11	106	2.00	2.73		
Toluene*	<0.050	0.050	05/15/2023	ND	2.17	109	2.00	0.935		
Ethylbenzene*	<0.050	0.050	05/15/2023	ND	2.13	107	2.00	0.976		
Total Xylenes*	<0.150	0.150	05/15/2023	ND	6.57	110	6.00	0.0201		
Total BTEx	<0.300	0.300	05/15/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

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	05/16/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/15/2023	ND	215	108	200	1.05	
DRO >C10-C28*	<10.0	10.0	05/15/2023	ND	201	100	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	05/15/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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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: 05/12/2023  
 Reported: 05/17/2023  
 Project Name: BLUEBERRY CRP 2-INCH  
 Project Number: 17833  
 Project Location: GOODNIGHT - RURAL LEA

Sampling Date: 05/12/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SRNSW (H232405-04)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/15/2023	ND	2.11	106	2.00	2.73		
Toluene*	<0.050	0.050	05/15/2023	ND	2.17	109	2.00	0.935		
Ethylbenzene*	<0.050	0.050	05/15/2023	ND	2.13	107	2.00	0.976		
Total Xylenes*	<0.150	0.150	05/15/2023	ND	6.57	110	6.00	0.0201		
Total BTEx	<0.300	0.300	05/15/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	14400	16.0	05/16/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/15/2023	ND	215	108	200	1.05	
DRO >C10-C28*	<10.0	10.0	05/15/2023	ND	201	100	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	05/15/2023	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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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: 05/12/2023  
 Reported: 05/17/2023  
 Project Name: BLUEBERRY CRP 2-INCH  
 Project Number: 17833  
 Project Location: GOODNIGHT - RURAL LEA

Sampling Date: 05/12/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SRSSW (H232405-05)**

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/15/2023	ND	2.11	106	2.00	2.73		
Toluene*	<0.050	0.050	05/15/2023	ND	2.17	109	2.00	0.935		
Ethylbenzene*	<0.050	0.050	05/15/2023	ND	2.13	107	2.00	0.976		
Total Xylenes*	<0.150	0.150	05/15/2023	ND	6.57	110	6.00	0.0201		
Total BTEX	<0.300	0.300	05/15/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5680	16.0	05/16/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/15/2023	ND	215	108	200	1.05	
DRO >C10-C28*	10.2	10.0	05/15/2023	ND	201	100	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	05/15/2023	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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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: 05/12/2023  
 Reported: 05/17/2023  
 Project Name: BLUEBERRY CRP 2-INCH  
 Project Number: 17833  
 Project Location: GOODNIGHT - RURAL LEA

Sampling Date: 05/12/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SRESW (H232405-06)**

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/15/2023	ND	2.11	106	2.00	2.73	
Toluene*	<0.050	0.050	05/15/2023	ND	2.17	109	2.00	0.935	
Ethylbenzene*	<0.050	0.050	05/15/2023	ND	2.13	107	2.00	0.976	
Total Xylenes*	<0.150	0.150	05/15/2023	ND	6.57	110	6.00	0.0201	
Total BTX	<0.300	0.300	05/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7040	16.0	05/16/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/15/2023	ND	215	108	200	1.05	
DRO >C10-C28*	<10.0	10.0	05/15/2023	ND	201	100	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	05/15/2023	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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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: 05/12/2023  
 Reported: 05/17/2023  
 Project Name: BLUEBERRY CRP 2-INCH  
 Project Number: 17833  
 Project Location: GOODNIGHT - RURAL LEA

Sampling Date: 05/12/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SRWSW (H232405-07)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/15/2023	ND	2.11	106	2.00	2.73		
Toluene*	<0.050	0.050	05/15/2023	ND	2.17	109	2.00	0.935		
Ethylbenzene*	<0.050	0.050	05/15/2023	ND	2.13	107	2.00	0.976		
Total Xylenes*	<0.150	0.150	05/15/2023	ND	6.57	110	6.00	0.0201		
Total BTEX	<0.300	0.300	05/15/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	41600	16.0	05/16/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/15/2023	ND	215	108	200	1.05	
DRO >C10-C28*	36.1	10.0	05/15/2023	ND	201	100	200	1.17	
EXT DRO >C28-C36	18.4	10.0	05/15/2023	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



---

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### Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

---

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

Celey D. Keene, Lab Director/Quality Manager





## **Appendix D**

### **Photographic Log**

## Photographic Log





## Photographic Log



## Photographic Log

<b>Photo Number:</b> 5	
<b>Photo Direction:</b> West	
<b>Photo Description:</b>  View of area after backfill and grading.	

<b>Photo Number:</b> 6	
<b>Photo Direction:</b> South	
<b>Photo Description:</b>  View of area after backfill and grading.	



## Photographic Log



**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720  
**District II**  
811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720  
**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS  
  
Action 248754

CONDITIONS

Operator:  GOODNIGHT MIDSTREAM PERMIAN, LLC 5910 North Central Expressway Dallas, TX 75206	OGRID:  372311
	Action Number:  248754
	Action Type:  [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
nvelez	Operator did not meet 19.15.29.12D (1a) NMAC. Forbearance given on 10/06/2023. Release resolved.	11/6/2023