

| | |
|----------------|----------------|
| Incident ID | nAPP2225255046 |
| 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>350</u> (ft bgs) |
| Did this release impact groundwater or surface water? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 1000 feet of any other fresh water well or spring? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of a wetland? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release overlying a subsurface mine? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release overlying an unstable area such as karst geology? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within a 100-year floodplain? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Did the release impact areas not on an exploration, development, production, or storage site? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |

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

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

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

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

State of New Mexico
Oil Conservation Division

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

Printed Name: Connor Walker Title: Sr. Engineer

Signature: _____ Date: _____

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

OCD Only

Received by: _____ Date: _____

| | |
|----------------|----------------|
| Incident ID | nAPP2225255046 |
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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: Connor Walker Title: Sr. Engineer

Signature: _____ Date: _____

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

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

Remediation Summary & Soil Closure Request

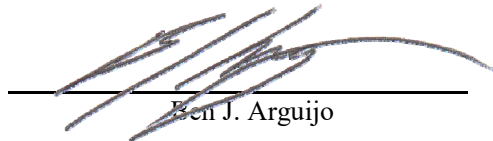
Mewbourne Oil Company Wellspring Paduca SWD Booster

Lea County, New Mexico
Unit Letter "E", Section 6, Township 26 South, Range 32 East
Latitude 32.0722570 North, Longitude 103.718906 West
NMOCD Reference No. nAPP2225255046

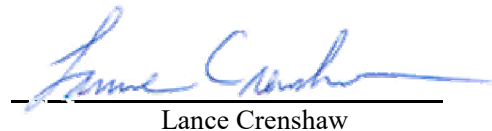
Prepared By:

Etech Environmental & Safety Solutions, Inc.

6309 Indiana Ave, Ste. D
Lubbock, Texas 79413



Ben J. Arguijo



Lance Crenshaw



Midland • San Antonio • Lubbock • Hobbs • Lafayette

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1.0 PROJECT INFORMATION

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

Location of Release SourceLatitude: 32.0722570 Longitude: -103.718906

Provided GPS are in WGS84 format.

| | |
|---|-----------------------------------|
| Site Name: <u>Wellspring Paduca SWD Booster</u> | Site Type: <u>Pipeline</u> |
| Date Release Discovered: <u>8/29/2022</u> | API # (if applicable): <u>N/A</u> |

| Unit Letter | Section | Township | Range | County |
|-------------|---------|----------|-------|--------|
| "E" | 6 | 26S | 32E | Lea |

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☒ Private (Name Jesse T. Baker)**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>251</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:

A discharge hose on an inline booster pump failed and split.

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 in the NMOCD Imaging System.

2.0 SITE CHARACTERIZATION

Geological Survey (USGS) was conducted in an effort to determine the horizontal distance to known water sources within a half-mile radius of the Wellspring Paduca release site. Probable groundwater depth was determined using data generated by numeric models based on available water well data and published information. Depth to groundwater information is provided as Appendix A.

| | | | |
|---|---|--|--|
| What is the shallowest depth to groundwater beneath the area affected by the release? | 350' | | |
| Did the release impact groundwater or surface water? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | |
| Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | |
| Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | |
| Are the lateral extents of the release within 300 feet of any occupied permanent residence, school, hospital, institution or church? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | |
| Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | |
| Are the lateral extents of the release within 1000 feet of any other fresh water well or spring? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | |
| Are the lateral extents of the release within the incorporated municipal boundaries or within a defined municipal fresh water well field? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | |
| Are the lateral extents of the release within 300 feet of a wetland? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | |
| Are the lateral extents of the release overlying a subsurface mine? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | |
| Are the lateral extents of the release overlying an unstable area such as karst geology? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | |
| Are the lateral extents of the release within a 100-year floodplain? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | |
| Did the release impact areas not on an exploration, development, production or storage site? | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | |

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

3.0 CLOSURE CRITERIA FOR SOILS IMPACTED BY A RELEASE

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

| Probable Depth to Groundwater | Constituent | Laboratory Analytical Method | Closure Criteria*† | Reclamation Standard*‡ |
|-------------------------------|--|-----------------------------------|--------------------|------------------------|
| 350' | Chloride (Cl-) | EPA 300.0 or SM4500 Cl B | 20,000 | 600 |
| | Total Petroleum Hydrocarbons (TPH) | EPA SW-846 Method 8015M Ext | 2,500 | 100 |
| | Gas Range Organics + Diesel Range Organics (GRO + DRO) | EPA SW-846 Method 8015M | 1,000 | N/A |
| | Benzene | EPA SW-846 Methods 8021b or 8260b | 10 | 10 |
| | Benzene, Toluene, Ethylbenzene, Total Xylenes (BTEX) | EPA SW-846 Methods 8021b or 8260b | 50 | 50 |

* Measured in milligrams per kilogram (mg/kg)

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

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

4.0 REMEDIATION ACTIVITIES SUMMARY

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

On October 11, 2022, Etech collected 10 confirmation soil samples (NW 1, EW 1, EW 2, EW 3, WW 1, WW 2, and FL 1 @ 1' through FL 4 @ 1') from the sidewalls and floor of the excavated area. The soil samples were submitted to a certified, commercial laboratory (henceforth, "the laboratory") for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standards in each of the submitted soil samples. BTEX concentrations were also below the laboratory method detection limit (MDL). TPH concentrations were below the laboratory MDL in each of the submitted soil samples, with the exception of soil sample NW 1, which exhibited a TPH concentration of 133 mg/kg and exceeded the NMOCD Reclamation Standard. Chloride concentrations ranged from 112 mg/kg in soil samples EW 3 and FL 2 @ 1' to 400 mg/kg in soil sample FL 1 @ 1'.

On October 12, 2022, Etech collected 10 confirmation soil samples (EW 4, WW 3, WW 4, and FL 5 @ 1' through FL 11 @ 2') from the sidewalls and floor of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standards in each of the submitted soil samples. BTEX and TPH concentrations were also below the applicable laboratory MDL. Chloride concentrations ranged from 96.0 mg/kg in soil sample FL 9 @ 3' to 528 mg/kg in soil sample EW 4.

On October 13, 2022, Etech collected eight (8) confirmation soil samples (EW 5 and FL 12 @ 3' through FL 18 @ 3') from the sidewalls and floor of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX and TPH concentrations were below the applicable NMOCD Closure Criteria, NMOCD Reclamation Standards, and laboratory MDL in each of the submitted soil samples. Chloride concentrations ranged from 176 mg/kg in soil sample FL 17 @ 3' to 1,010 mg/kg in soil sample FL 18 @ 3'. The chloride concentrations in soil samples FL 13 @ 3', FL 15 @ 3', and FL 18 @ 3' exceeded the NMOCD Reclamation Standard.

On October 14, 2022, Etech collected four (4) confirmation soil samples (WW 5, FL 19 @ 4', FL 20 @ 4', and FL 21 @ 4') from the sidewalls and floor of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standards in each of the submitted soil samples. BTEX and TPH concentrations were also below the applicable laboratory MDL. Chloride concentrations ranged from 352 mg/kg in soil sample WW 5 to 1,490 mg/kg in soil sample FL 19 @ 4'.

On October 20, 2022, based on laboratory analytical results, the excavation was further advanced in the areas characterized by soil samples NW 1, FL 13, FL 15, and FL 18. Etech collected 23 confirmation soil samples (NW 1B, NW 2, NW 3, EW 6, EW 7, EW 8, SW 1, WW 6, FL 13, FL 15, FL 18, and FL 22 @ 4' through FL 33 @ 4') from the sidewalls and floor of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and/or chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standards in each of the submitted soil samples. BTEX and TPH concentrations were also below the applicable laboratory MDL. Chloride concentrations ranged from 16.0 mg/kg in soil sample EW 7 to 1,520 mg/kg in soil sample FL 27 @ 4'.

On October 24, 2022, Etech collected 26 confirmation soil samples (NW 4, EW 9, EW 10, EW 11, SW 2, WW 7, and FL 34 @ 4' through FL 53 @ 2') from the sidewalls and floor of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standards in each of the submitted soil samples. BTEX and TPH concentrations were also below the applicable laboratory MDL. Chloride concentrations ranged from 16.0 mg/kg in soil samples NW 4, EW 10, EW 11, FL 49 @ 2', FL 50 @ 4', FL 52 @ 2', and FL 53 @ 2' to 1,410 mg/kg in soil sample FL 48 @ 4'.

On October 25, 2022, Etech collected 18 confirmation soil samples (EW 12, EW 13, SW 3, WW 8 through WW 11, and FL 54 @ 2' through FL 64 @ 2') from the sidewalls and floor of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standards in each of the submitted soil samples. BTEX and TPH concentrations were also below the applicable laboratory MDL. Chloride concentrations ranged from 16.0 mg/kg in soil sample FL 56 @ 2' to 480 mg/kg in soil sample EW 12.

The final dimensions of the excavated area were approximately 298 to 560 feet in length, 12 to 40 feet in width, and one (1) to five (5) feet in depth. During the course of remediation activities, Etech transported approximately 1,300 cubic yards of impacted soil to an NMOCD-permitted surface waste facility for disposal and imported approximately 1,608 cubic yards of locally sourced, non-impacted material to the site for use as backfill.

The extent of the excavated area and the locations of the confirmation soil samples are depicted in Figure 3, "Site & Sample Location Map". Soil chemistry data is summarized in Table 1. Field data and soil profile logs are provided in Appendix B. General photographs of the site are provided in Appendix C. Laboratory analytical reports are provided in Appendix D. Copies of all regulatory correspondence are provided in Appendix E.

5.0 RESTORATION, RECLAMATION & RE-VEGETATION PLAN

Upon receiving laboratory analytical results from confirmation soil samples, excavated areas were backfilled with locally sourced, non-impacted, "like" material placed at or near original relative positions. The affected area was compacted and contoured to achieve erosion control, stability, and preservation of surface water flow, to the extent practicable. Affected areas not on production pads and/or lease roads will be reseeded with an agency and/or landowner-approved seed mixture during the first favorable growing season following closure of the site.

6.0 SOIL CLOSURE REQUEST

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

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

7.0 LIMITATIONS

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

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

8.0 DISTRIBUTION

Mewbourne Oil Company

4801 Business Park Blvd.

Hobbs, NM 88240

New Mexico Energy, Minerals and Natural Resources Department

Oil Conservation Division, District 1

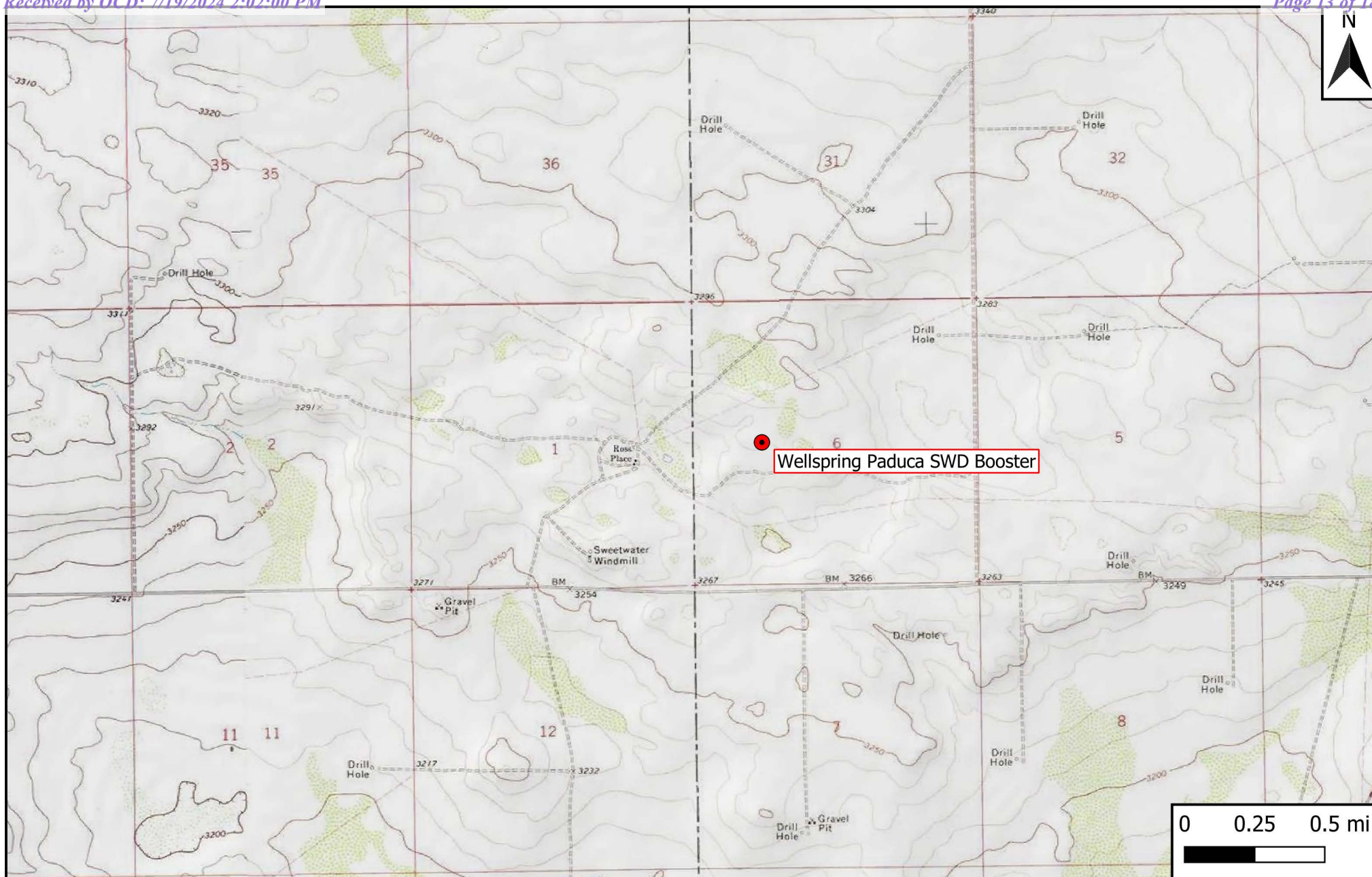
1220 South St. Francis Drive

Santa Fe, NM 87505

(Electronic Submission)

Figure 1

Topographic Map



Legend

● Site Location

Figure 1
 Topographic Map
 Mewbourne Oil Company
 Wellspring Paduca SWD Booster
 GPS: 32.072257, -103.718906
 Lea County



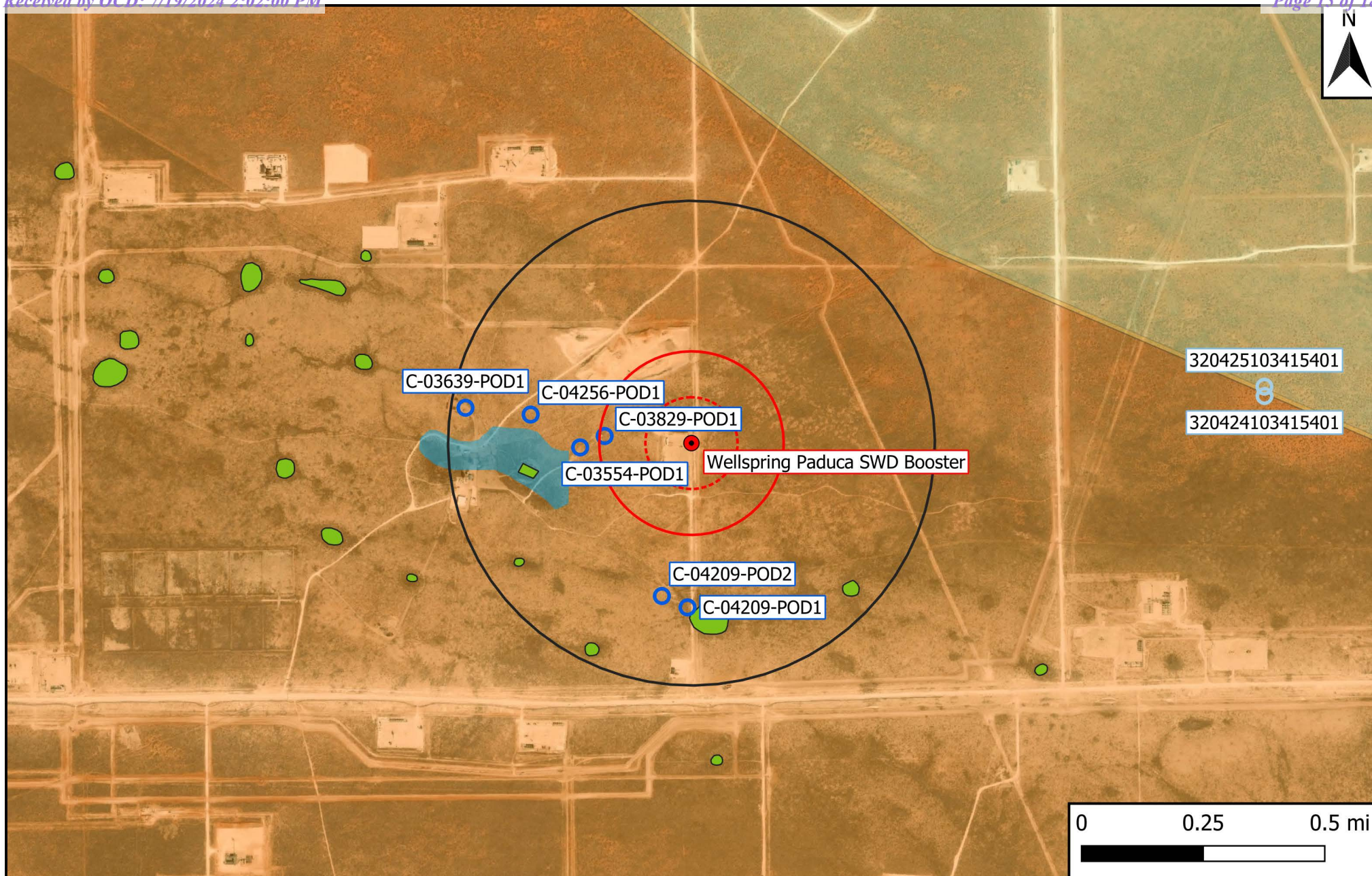
Drafted: bja

Checked: lc

Date: 10/25/22

Figure 2

Site Characterization Map



Legend

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

Figure 2
 Site Characterization Map
 Mewbourne Oil Company
 Wellspring Paduca SWD Booster
 GPS: 32.072257, -103.718906
 Lea County



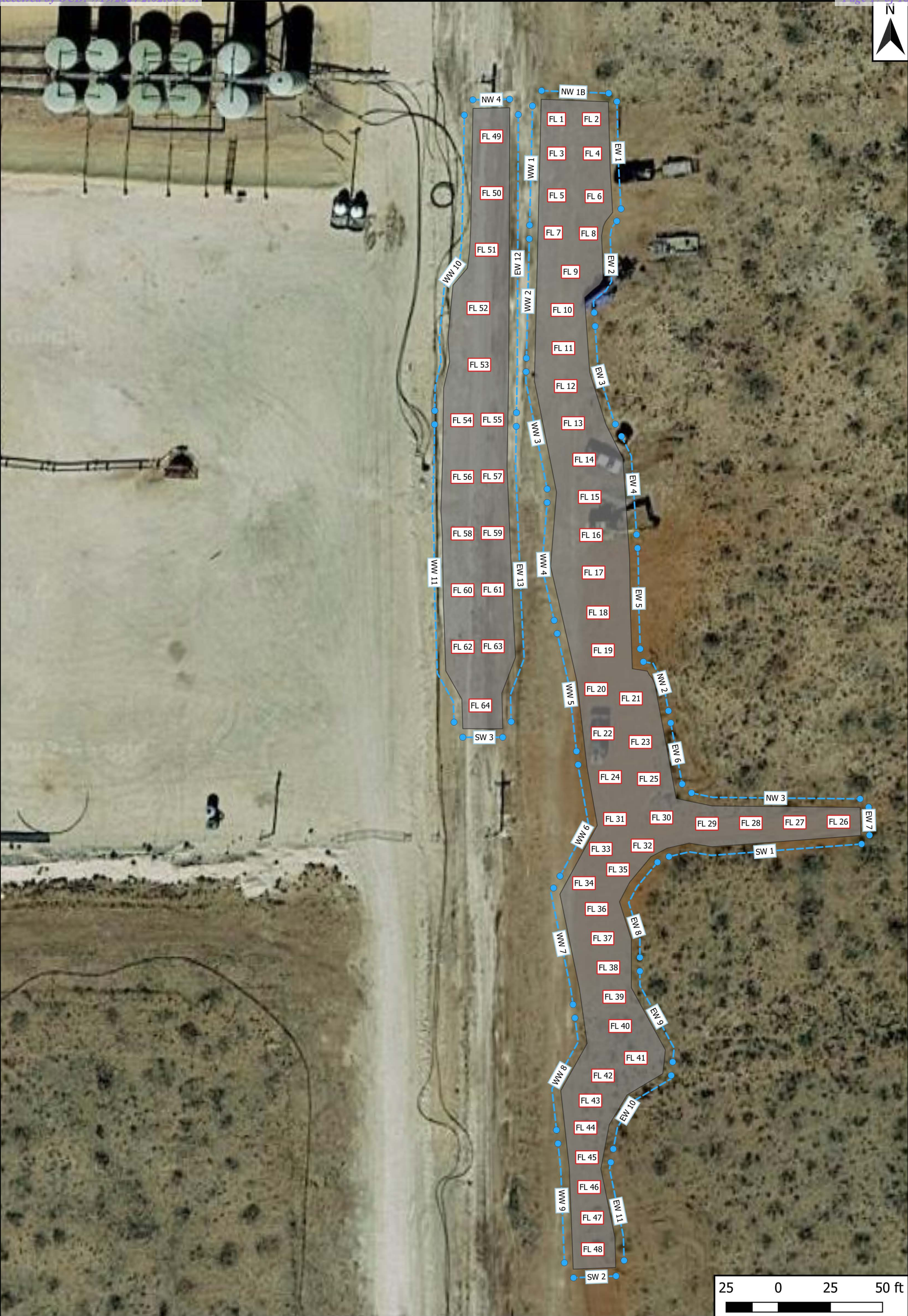
Drafted: bja

Checked: lc

Date: 10/25/22

Figure 3

Site & Sample Location Map



| Legend | |
|--------|------------------------|
| | Excavation Extent |
| | Composite Floor Sample |
| | Composite Wall Sample |

Figure 3
Site & Sample Location Map
Mewbourne Oil Company
Wellspring Paduca SWD Booster
GPS: 32.072257, -103.718906
Lea County



Environmental & Safety Solutions, Inc.

| | | |
|--------------|-------------|----------------|
| Drafted: bja | Checked: lc | Date: 11/26/22 |
|--------------|-------------|----------------|

Table 1
Concentrations of BTEX, TPH & Chloride in Soil

Table 1
Concentrations of BTEX, TPH & Chloride in Soil
Mewbourne Oil Company
Wellspring Paduca SWD Booster
NMOCD Ref. #: nAPP2225255046

| NMOCD Closure Criteria | | | | 10 | 50 | N/A | N/A | 1,000 | N/A | 2,500 | 20,000 |
|----------------------------|------------|--------------|-------------|-----------------|--------------|---|--|---|--|---|------------------|
| NMOCD Reclamation Standard | | | | 10 | 50 | N/A | N/A | N/A | N/A | 100 | 600 |
| Sample ID | Date | Depth (Feet) | Soil Status | SW 846 8021B | | SW 846 8015M Ext. | | | | | 4500 Cl |
| | | | | Benzene (mg/kg) | BTEX (mg/kg) | GRO C ₆ -C ₁₀ (mg/kg) | DRO C ₁₀ -C ₂₈ (mg/kg) | GRO + DRO C ₆ -C ₂₈ (mg/kg) | ORO C ₂₈ -C ₃₆ (mg/kg) | TPH C ₆ -C ₃₆ (mg/kg) | Chloride (mg/kg) |
| NW 1 | 10/11/2022 | 0-1 | Excavated | <0.050 | <0.300 | <10.0 | 133 | 133 | <10.0 | 133 | 240 |
| NW 1B | 10/20/2022 | 0-1 | In-Situ | - | - | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | - |
| NW 2 | 10/20/2022 | 0-4 | In-Situ | <0.025 | <0.150 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 288 |
| NW 3 | 10/20/2022 | 0-4 | In-Situ | <0.025 | <0.150 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 32.0 |
| NW 4 | 10/24/2022 | 0-2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 16.0 |
| EW 1 | 10/11/2022 | 0-1 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 240 |
| EW 2 | 10/11/2022 | 0-3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 128 |
| EW 3 | 10/11/2022 | 0-4 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 112 |
| EW 4 | 10/12/2022 | 0-4 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 528 |
| EW 5 | 10/13/2022 | 0-4 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 288 |
| EW 6 | 10/20/2022 | 0-4 | In-Situ | <0.025 | <0.150 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 256 |
| EW 7 | 10/20/2022 | 0-4 | In-Situ | <0.025 | <0.150 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 16.0 |
| EW 8 | 10/20/2022 | 0-4 | In-Situ | <0.025 | <0.150 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 160 |
| EW 9 | 10/24/2022 | 0-4 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 336 |
| EW 10 | 10/24/2022 | 0-4 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 16.0 |
| EW 11 | 10/24/2022 | 0-4 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 16.0 |
| EW 12 | 10/25/2022 | 0-4 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 480 |
| EW 13 | 10/25/2022 | 0-2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 32.0 |
| SW 1 | 10/20/2022 | 0-4 | In-Situ | <0.025 | <0.150 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 208 |
| SW 2 | 10/24/2022 | 0-4 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 176 |
| SW 3 | 10/25/2022 | 0-2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 320 |
| WW 1 | 10/11/2022 | 0-1 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 304 |
| WW 2 | 10/11/2022 | 0-3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 288 |
| WW 3 | 10/12/2022 | 0-4 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 160 |
| WW 4 | 10/12/2022 | 0-4 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 176 |
| WW 5 | 10/14/2022 | 0-4 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 352 |
| WW 6 | 10/20/2022 | 0-4 | In-Situ | <0.025 | <0.150 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 128 |
| WW 7 | 10/24/2022 | 0-4 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 304 |
| WW 8 | 10/25/2022 | 0-4 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 288 |
| WW 9 | 10/25/2022 | 0-4 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 400 |
| WW 10 | 10/25/2022 | 0-4 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 400 |
| WW 11 | 10/25/2022 | 0-2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 352 |
| FL 1 @ 1' | 10/11/2022 | 1 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 400 |
| FL 2 @ 1' | 10/11/2022 | 1 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 112 |
| FL 3 @ 1' | 10/11/2022 | 1 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 144 |
| FL 4 @ 1' | 10/11/2022 | 1 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 192 |
| FL 5 @ 1' | 10/12/2022 | 1 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 288 |
| FL 6 @ 1' | 10/12/2022 | 1 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 144 |
| FL 7 @ 1' | 10/12/2022 | 1 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 320 |
| FL 8 @ 1' | 10/12/2022 | 1 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 336 |
| FL 9 @ 3' | 10/12/2022 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 96.0 |
| FL 10 @ 3' | 10/12/2022 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 320 |
| FL 11 @ 2' | 10/12/2022 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 192 |

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

Bold: NMOCD Closure Criteria exceedance.

Red: NMOCD Reclamation Standard exceedance.

Table 1
Concentrations of BTEX, TPH & Chloride in Soil
Mewbourne Oil Company
Wellspring Paduca SWD Booster
NMOCD Ref. #: nAPP2225255046

| NMOCD Closure Criteria | | | | 10 | 50 | N/A | N/A | 1,000 | N/A | 2,500 | 20,000 |
|----------------------------|------------|--------------|-------------|-----------------|--------------|---|--|---|--|---|------------------|
| NMOCD Reclamation Standard | | | | 10 | 50 | N/A | N/A | N/A | N/A | 100 | 600 |
| Sample ID | Date | Depth (Feet) | Soil Status | SW 846 8021B | | SW 846 8015M Ext. | | | | | 4500 Cl |
| | | | | Benzene (mg/kg) | BTEX (mg/kg) | GRO C ₆ -C ₁₀ (mg/kg) | DRO C ₁₀ -C ₂₈ (mg/kg) | GRO + DRO C ₆ -C ₂₈ (mg/kg) | ORO C ₂₈ -C ₃₆ (mg/kg) | TPH C ₆ -C ₃₆ (mg/kg) | Chloride (mg/kg) |
| FL 12 @ 3' | 10/13/2022 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 224 |
| FL 13 @ 3' | 10/13/2022 | 3 | Excavated | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 608 |
| FL 13 | 10/20/2022 | 4 | In-Situ | - | - | - | - | - | - | - | 384 |
| FL 14 @ 3' | 10/13/2022 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 560 |
| FL 15 @ 3' | 10/13/2022 | 3 | Excavated | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 800 |
| FL 15 | 10/20/2022 | 4 | In-Situ | - | - | - | - | - | - | - | 176 |
| FL 16 @ 3' | 10/13/2022 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 464 |
| FL 17 @ 3' | 10/13/2022 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 176 |
| FL 18 @ 3' | 10/13/2022 | 3 | Excavated | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 1,010 |
| FL 18 | 10/20/2022 | 4 | In-Situ | - | - | - | - | - | - | - | 224 |
| FL 19 @ 4' | 10/14/2022 | 4 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 1,490 |
| FL 20 @ 4' | 10/14/2022 | 4 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 912 |
| FL 21 @ 4' | 10/14/2022 | 4 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 384 |
| FL 22 @ 4' | 10/20/2022 | 4 | In-Situ | <0.025 | <0.150 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 240 |
| FL 23 @ 4' | 10/20/2022 | 4 | In-Situ | <0.025 | <0.150 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 176 |
| FL 24 @ 4' | 10/20/2022 | 4 | In-Situ | <0.025 | <0.150 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 608 |
| FL 25 @ 4' | 10/20/2022 | 4 | In-Situ | <0.025 | <0.150 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 320 |
| FL 26 @ 4' | 10/20/2022 | 4 | In-Situ | <0.025 | <0.150 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 1,200 |
| FL 27 @ 4' | 10/20/2022 | 4 | In-Situ | <0.025 | <0.150 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 1,520 |
| FL 28 @ 4' | 10/20/2022 | 4 | In-Situ | <0.025 | <0.150 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 176 |
| FL 29 @ 4' | 10/20/2022 | 4 | In-Situ | <0.025 | <0.150 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 432 |
| FL 30 @ 4' | 10/20/2022 | 4 | In-Situ | <0.025 | <0.150 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 800 |
| FL 31 @ 4' | 10/20/2022 | 4 | In-Situ | <0.025 | <0.150 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 464 |
| FL 32 @ 4' | 10/20/2022 | 4 | In-Situ | <0.025 | <0.150 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 400 |
| FL 33 @ 4' | 10/20/2022 | 4 | In-Situ | <0.025 | <0.150 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 448 |
| FL 34 @ 4' | 10/24/2022 | 4 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 672 |
| FL 35 @ 4' | 10/24/2022 | 4 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 368 |
| FL 36 @ 4' | 10/24/2022 | 4 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 736 |
| FL 37 @ 4' | 10/24/2022 | 4 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 672 |
| FL 38 @ 4' | 10/24/2022 | 4 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 704 |
| FL 39 @ 4' | 10/24/2022 | 4 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 176 |
| FL 40 @ 4' | 10/24/2022 | 4 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 480 |
| FL 41 @ 4' | 10/24/2022 | 4 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 544 |
| FL 42 @ 4' | 10/24/2022 | 4 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 912 |
| FL 43 @ 4' | 10/24/2022 | 4 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 672 |
| FL 44 @ 4' | 10/24/2022 | 4 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 672 |
| FL 45 @ 4' | 10/24/2022 | 4 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 32.0 |
| FL 46 @ 4' | 10/24/2022 | 4 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 1,260 |
| FL 47 @ 4' | 10/24/2022 | 4 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 1,120 |
| FL 48 @ 4' | 10/24/2022 | 4 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 1,410 |
| FL 49 @ 2' | 10/24/2022 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 16.0 |
| FL 50 @ 4' | 10/24/2022 | 4 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 16.0 |
| FL 51 @ 2' | 10/24/2022 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 32.0 |

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

Bold: NMOCD Closure Criteria exceedance.

Red: NMOCD Reclamation Standard exceedance.

| Table 1 Concentrations of BTEX, TPH & Chloride in Soil Mewbourne Oil Company Wellspring Paduca SWD Booster NMOCD Ref. #: nAPP2225255046 | | | | | | | | | | | |
|--|------------|--------------|-------------|-----------------|--------------|---|--|---|--|---|------------------|
| NMOCD Closure Criteria | | | | 10 | 50 | N/A | N/A | 1,000 | N/A | 2,500 | 20,000 |
| NMOCD Reclamation Standard | | | | 10 | 50 | N/A | N/A | N/A | N/A | 100 | 600 |
| Sample ID | Date | Depth (Feet) | Soil Status | SW 846 8021B | | SW 846 8015M Ext. | | | | | 4500 Cl |
| | | | | Benzene (mg/kg) | BTEX (mg/kg) | GRO C ₆ -C ₁₀ (mg/kg) | DRO C ₁₀ -C ₂₈ (mg/kg) | GRO + DRO C ₆ -C ₂₈ (mg/kg) | ORO C ₂₈ -C ₃₆ (mg/kg) | TPH C ₆ -C ₃₆ (mg/kg) | Chloride (mg/kg) |
| FL 52 @ 2' | 10/24/2022 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 16.0 |
| FL 53 @ 2' | 10/24/2022 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 16.0 |
| FL 54 @ 2' | 10/25/2022 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 368 |
| FL 55 @ 2' | 10/25/2022 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 32.0 |
| FL 56 @ 2' | 10/25/2022 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 16.0 |
| FL 57 @ 2' | 10/25/2022 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 352 |
| FL 58 @ 2' | 10/25/2022 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 336 |
| FL 59 @ 2' | 10/25/2022 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 32.0 |
| FL 60 @ 2' | 10/25/2022 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 272 |
| FL 61 @ 2' | 10/25/2022 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 288 |
| FL 62 @ 2' | 10/25/2022 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 416 |
| FL 63 @ 2' | 10/25/2022 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 336 |
| FL 64 @ 2' | 10/25/2022 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 320 |

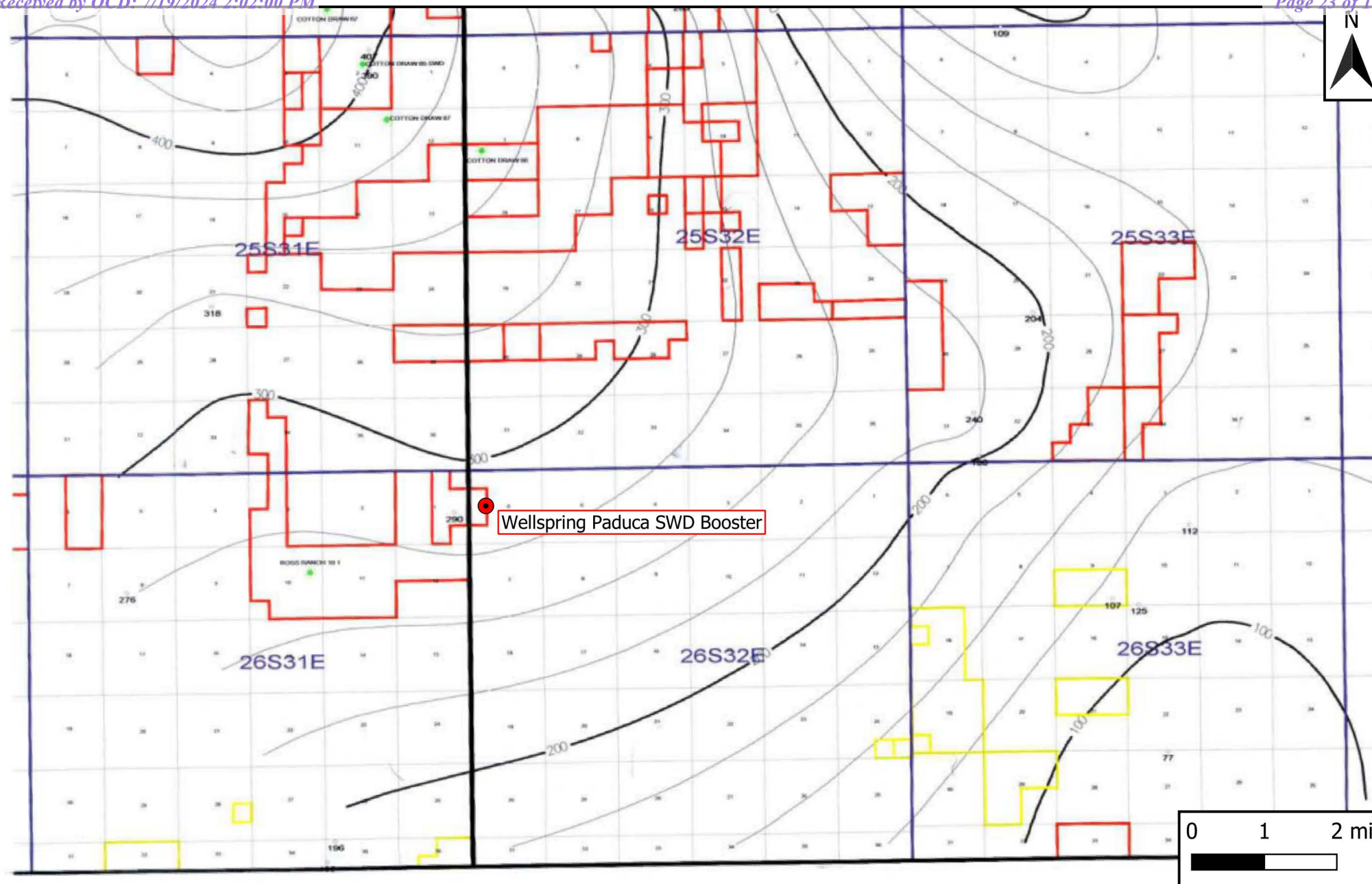
Dash (-): Sample not analyzed for that constituent.

Bold: NMOCD Closure Criteria exceedance.

Red: NMOCD Reclamation Standard exceedance.

Appendix A

Depth to Groundwater Information



Legend

- Site Location

Figure 4

Inferred Depth to Groundwater Trend Map
 Mewbourne Oil Company
 Wellspring Paduca SWD Booster
 GPS: 32.072257, -103.718906
 Lea County



Drafted: bja

Checked: lc

Date: 10/25/22



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 | Tws | Rng | X | Y | Distance | DepthWell | DepthWater | Water Column |
|------------------------------|------|---------------|--------|------|------|-----|-----|-----|-----|--------|---------|---|-----------|------------|--------------|
| C_03829 POD1 | | CUB | LE | 3 | 3 | 1 | 06 | 26S | 32E | 620628 | 3549186 |  | 288 | 646 | 350 296 |
| C_03554 POD1 | | CUB | ED | 2 | 1 | 4 | 01 | 26S | 31E | 620547 | 3549148 |  | 368 | 630 | 300 330 |
| C_04209 POD2 | | C | LE | 2 | 3 | 3 | 06 | 26S | 32E | 620818 | 3548657 |  | 514 | 340 | 155 185 |
| C_04209 POD1 | | CUB | LE | 2 | 3 | 3 | 06 | 26S | 32E | 620903 | 3548619 |  | 540 | 360 | 155 205 |
| C_04256 POD1 | | C | ED | 4 | 4 | 2 | 01 | 26S | 31E | 620384 | 3549257 |  | 543 | 666 | 340 326 |
| C_03639 POD1 | | CUB | ED | 3 | 4 | 2 | 01 | 26S | 31E | 620168 | 3549279 |  | 756 | 700 | 365 335 |
| Average Depth to Water: | | | | | | | | | | | | | | 277 feet | |
| Minimum Depth: | | | | | | | | | | | | | | 155 feet | |
| Maximum Depth: | | | | | | | | | | | | | | 365 feet | |

Record Count: 6

UTMNAD83 Radius Search (in meters):

Easting (X): 620915.61 Northing (Y): 3549162.74 Radius: 804.67

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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 |
|----------|------------|-----|-----|----|-----|-----|-----|--------|---------|
| C | 03829 POD1 | 3 | 3 | 1 | 06 | 26S | 32E | 620628 | 3549186 |

Driller License: 1607 **Driller Company:** DURAN DRILLING

Driller Name: DURAN, LUIS (TONY)

Drill Start Date: 02/11/2015 **Drill Finish Date:** 02/12/2015 **Plug Date:**

Log File Date: 02/23/2015 **PCW Rev Date:** **Source:** Shallow

Pump Type: **Pipe Discharge Size:** **Estimated Yield:** 58 GPM

Casing Size: 7.00 **Depth Well:** 646 feet **Depth Water:** 350 feet

| Water Bearing Stratifications: | Top | Bottom | Description |
|--------------------------------|-----|--------|-------------------------------|
| | 330 | 337 | Sandstone/Gravel/Conglomerate |
| | 390 | 470 | Sandstone/Gravel/Conglomerate |
| | 580 | 610 | Sandstone/Gravel/Conglomerate |

| Casing Perforations: | Top | Bottom |
|----------------------|-----|--------|
| | 341 | 645 |

| | | | |
|-----------------------------|----------|-----------------------------|-------------|
| Meter Number: | 16581 | Meter Make: | MASTERMETER |
| Meter Serial Number: | 32531561 | Meter Multiplier: | 100.0000 |
| Number of Dials: | 6 | Meter Type: | Diversion |
| Unit of Measure: | Gallons | Return Flow Percent: | |
| Usage Multiplier: | | Reading Frequency: | |

Meter Readings (in Acre-Feet)

| Read Date | Year | Mtr Reading | Flag | Rdr | Comment | Mtr Amount Online |
|------------|------|-------------|------|-----|---------|-------------------|
| 03/03/2015 | 2015 | 0 | A | RPT | | 0 |
| 04/02/2015 | 2015 | 4343 | A | RPT | | 1.333 |
| 04/30/2015 | 2015 | 4343 | A | RPT | | 0 |
| 05/31/2015 | 2015 | 4343 | A | RPT | | 0 |
| 07/01/2015 | 2015 | 4343 | A | RPT | | 0 |
| 08/01/2015 | 2015 | 4343 | A | RPT | | 0 |
| 08/31/2015 | 2015 | 4616 | A | RPT | | 0.084 |
| 10/01/2015 | 2015 | 4616 | A | RPT | | 0 |

| | | |
|-----------------------------|-------------|---------------|
| **YTD Meter Amounts: | Year | Amount |
| | 2015 | 1.417 |

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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 |
| C 03554 | POD1 | 2 1 4 01 26S 31E | 620547 | 3549148 |

| | |
|------------------------------|--|
| Driller License: 1654 | Driller Company: NOT WORKING FOR HIRE--SIRMAN DRILLING AND CONSTRUC |
| Driller Name: | |

| | | |
|-------------------------------------|--------------------------------------|------------------------------|
| Drill Start Date: 10/22/2012 | Drill Finish Date: 10/26/2012 | Plug Date: |
| Log File Date: 10/29/2012 | PCW Rcv Date: | Source: Shallow |
| Pump Type: | Pipe Discharge Size: | Estimated Yield: |
| Casing Size: 10.00 | Depth Well: 630 feet | Depth Water: 300 feet |

| Water Bearing Stratifications: | Top | Bottom | Description |
|--------------------------------|-----|--------|-------------------------------|
| | 350 | 360 | Sandstone/Gravel/Conglomerate |
| | 550 | 600 | Sandstone/Gravel/Conglomerate |

| Casing Perforations: | Top | Bottom |
|----------------------|-----|--------|
| | 570 | 630 |

| | |
|-------------------------------------|-----------------------------------|
| Meter Number: 16569 | Meter Make: MASTERMETER |
| Meter Serial Number: 8149888 | Meter Multiplier: 100.0000 |
| Number of Dials: 6 | Meter Type: Diversion |
| Unit of Measure: Gallons | Return Flow Percent: |
| Usage Multiplier: | Reading Frequency: |

Meter Readings (in Acre-Feet)

| Read Date | Year | Mtr Reading | Flag | Rdr Comment | Mtr Amount Online |
|------------|------|-------------|------|-------------|-------------------|
| 04/01/2014 | 2014 | 73841 | A | RPT | 0 |
| 07/01/2014 | 2014 | 98877 | A | RPT | 7.683 |
| 12/31/2014 | 2014 | 131292 | A | RPT | 9.948 |
| 02/01/2015 | 2015 | 135717 | A | RPT | 1.358 |
| 03/02/2015 | 2015 | 141038 | A | RPT | 1.633 |
| 04/01/2015 | 2015 | 147017 | A | RPT | 1.835 |
| 04/30/2015 | 2015 | 154655 | A | RPT | 2.344 |
| 05/31/2015 | 2015 | 161539 | A | RPT | 2.113 |
| 07/01/2015 | 2015 | 168829 | A | RPT | 2.237 |
| 08/01/2015 | 2015 | 173843 | A | RPT | 1.539 |
| 08/31/2015 | 2015 | 180421 | A | RPT | 2.019 |
| 10/01/2015 | 2015 | 187448 | A | RPT | 2.157 |

| **YTD Meter Amounts: | Year | Amount |
|----------------------|------|--------|
| | 2014 | 17.631 |
| | 2015 | 17.235 |

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9/20/22 1:34 PM

POINT OF DIVERSION SUMMARY



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 |
| NA | C 04209 POD2 | 2 | 3 | 3 | 06 | 26S | 32E | 620818 | 3548657  |
| Driller License: 1706 | | Driller Company: | | | | ELITE DRILLERS CORPORATION | | | |
| Driller Name: | | BRYCE WALLACE | | | | | | | |
| Drill Start Date: 05/07/2018 | | Drill Finish Date: | | | | 05/09/2018 | | Plug Date: | |
| Log File Date: 05/21/2018 | | PCW Rev Date: | | | | | | Source: Shallow | |
| Pump Type: | | Pipe Discharge Size: | | | | | | Estimated Yield: 5 GPM | |
| Casing Size: 6.00 | | Depth Well: | | | | 340 feet | | Depth Water: 155 feet | |
| Water Bearing Stratifications: | | | | | Top | Bottom | Description | | |
| | | | | | 18 | 320 | Sandstone/Gravel/Conglomerate | | |
| Casing Perforations: | | | | | Top | Bottom | | | |
| | | | | | 200 | 340 | | | |

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POINT OF DIVERSION SUMMARY



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 | |
| NA | C 04209 POD1 | 2 | 3 | 3 | 06 | 26S | 32E | 620903 | 3548619 |  |
| <hr/> | | | | | | | | | | |
| Driller License: 1706 | | Driller Company: | | | | ELITE DRILLERS CORPORATION | | | | |
| Driller Name: | | BRYCE WALLACE | | | | | | | | |
| Drill Start Date: 04/28/2018 | | Drill Finish Date: | | | | 05/01/2018 | | Plug Date: | | |
| Log File Date: 05/21/2018 | | PCW Rev Date: | | | | | | | Source: Shallow | |
| Pump Type: | | Pipe Discharge Size: | | | | | | | Estimated Yield: 25 GPM | |
| Casing Size: 6.00 | | Depth Well: | | | | 360 feet | | Depth Water: 155 feet | | |
| <hr/> | | | | | | | | | | |
| Water Bearing Stratifications: | | | | | Top | Bottom | Description | | | |
| | | | | | 15 | 350 | Sandstone/Gravel/Conglomerate | | | |
| <hr/> | | | | | | | | | | |
| Casing Perforations: | | | | | Top | Bottom | | | | |
| | | | | | 200 | 360 | | | | |

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9/20/22 1:24 PM

POINT OF DIVERSION SUMMARY



New Mexico Office of the State Engineer

Point of Diversion Summary

| | | | | | | | | | |
|--------------------------------|--------------|------------------------------------|-----|----------------------------|-----|-------------------------|-------------------------------|-----------------------|---|
| | | (quarters are 1=NW 2=NE 3=SW 4=SE) | | | | | | (NAD83 UTM in meters) | |
| Well Tag | POD Number | Q64 | Q16 | Q4 | Sec | Tw | Rng | X | Y |
| NA | C 04256 POD1 | 4 | 4 | 2 | 01 | 26S | 31E | 620384 | 3549257  |
| Driller License: 1706 | | Driller Company: | | ELITE DRILLERS CORPORATION | | | | | |
| Driller Name: | | BRYCE WALLACE | | | | | | | |
| Drill Start Date: 06/28/2018 | | Drill Finish Date: | | 07/04/2018 | | Plug Date: | | | |
| Log File Date: 07/18/2018 | | PCW Rev Date: | | | | Source: Artesian | | | |
| Pump Type: | | Pipe Discharge Size: | | | | Estimated Yield: 40 GPM | | | |
| Casing Size: 5.80 | | Depth Well: | | 666 feet | | Depth Water: 340 feet | | | |
| Water Bearing Stratifications: | | | | | Top | Bottom | Description | | |
| | | | | | 330 | 390 | Sandstone/Gravel/Conglomerate | | |
| | | | | | 390 | 430 | Sandstone/Gravel/Conglomerate | | |
| | | | | | 430 | 480 | Sandstone/Gravel/Conglomerate | | |
| | | | | | 480 | 610 | Sandstone/Gravel/Conglomerate | | |
| Casing Perforations: | | | | | Top | Bottom | | | |
| | | | | | 326 | 666 | | | |

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9/20/22 1:25 PM

POINT OF DIVERSION SUMMARY



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 |
| C 03639 | POD1 | 3 4 2 01 26S 31E | 620168 | 3549279 |

| | |
|------------------------------|--|
| Driller License: 1654 | Driller Company: NOT WORKING FOR HIRE--SIRMAN DRILLING AND CONSTRUC |
| Driller Name: | |

| | | |
|-------------------------------------|--------------------------------------|------------------------------|
| Drill Start Date: 09/23/2013 | Drill Finish Date: 09/25/2013 | Plug Date: |
| Log File Date: 10/25/2013 | PCW Rcv Date: | Source: Shallow |
| Pump Type: | Pipe Discharge Size: | Estimated Yield: |
| Casing Size: 6.00 | Depth Well: 700 feet | Depth Water: 365 feet |

| | | | |
|---------------------------------------|------------|---------------|-------------------------------|
| Water Bearing Stratifications: | Top | Bottom | Description |
| | 560 | 600 | Sandstone/Gravel/Conglomerate |

| | | |
|-----------------------------|------------|---------------|
| Casing Perforations: | Top | Bottom |
| | 600 | 660 |

| | |
|-------------------------------------|-----------------------------------|
| Meter Number: 16575 | Meter Make: MASTERMETER |
| Meter Serial Number: 8827642 | Meter Multiplier: 100.0000 |
| Number of Dials: 6 | Meter Type: Diversion |
| Unit of Measure: Gallons | Return Flow Percent: |
| Usage Multiplier: | Reading Frequency: |

Meter Readings (in Acre-Feet)

| Read Date | Year | Mtr Reading | Flag | Rdr | Comment | Mtr Amount Online |
|------------|------|-------------|------|-----|---------|-------------------|
| 12/26/2013 | 2013 | 4487 | A | RPT | | 0 |
| 04/01/2014 | 2014 | 15593 | A | RPT | | 3.408 |
| 07/01/2014 | 2014 | 27654 | A | RPT | | 3.701 |
| 10/01/2014 | 2014 | 43114 | A | RPT | | 4.744 |
| 12/31/2014 | 2014 | 54047 | A | RPT | | 3.355 |
| 02/01/2015 | 2015 | 55287 | A | RPT | | 0.381 |
| 03/02/2015 | 2015 | 56670 | A | RPT | | 0.424 |
| 04/02/2015 | 2015 | 60341 | A | RPT | | 1.127 |
| 04/30/2015 | 2015 | 65590 | A | RPT | | 1.611 |
| 05/31/2015 | 2015 | 71252 | A | RPT | | 1.738 |
| 07/01/2015 | 2015 | 74451 | A | RPT | | 0.982 |
| 08/01/2015 | 2015 | 77975 | A | RPT | | 1.081 |
| 08/31/2015 | 2015 | 82253 | A | RPT | | 1.313 |
| 10/01/2015 | 2015 | 86369 | A | RPT | | 1.263 |

| | | |
|-----------------------------|-------------|---------------|
| **YTD Meter Amounts: | Year | Amount |
| | 2013 | 0 |
| | 2014 | 15.208 |
| | 2015 | 9.920 |

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9/20/22 1:25 PM

POINT OF DIVERSION SUMMARY



Legend

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

Figure 5

USGS Well Proximity Map
Mewbourne Oil Company
Wellspring Paduca SWD Booster
GPS: 32.072257, -103.718906
Lea County



Drafted: bja

Checked: jc

Date: 10/25/22



USGS Home
Contact USGS
Search USGS

National Water Information System: Web Interface

USGS Water Resources

Data Category: Groundwater

Geographic Area: United States

GO

Click forNews Bulletins

Groundwater levels for the Nation

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

Search Results -- 1 sites found

Agency code = usgs

site_no list =

- 320424103415401

Minimum number of levels = 1

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

USGS 320424103415401 26S.31E.01.421322

Eddy County, New Mexico

Latitude 32°04'24", Longitude 103°41'54" NAD27

Land-surface elevation 3,294 feet above NAVD88

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

This well is completed in the Santa Rosa Sandstone (231SNRS) local aquifer.

Output formats

Table of data

Tab-separated data

Graph of data

Reselect period

| Date | Time | ? Water-level date-time accuracy | ? Parameter code | Water level, feet below land surface | Water level, feet above specific vertical datum | Referenced vertical datum | ? Status | ? Method of measurement | ? Measuring agency | ? Source of measurement | ? Water-level approval status |
|------------|------|---|------------------------|---|---|---------------------------------|-------------|-------------------------------|--------------------------|-------------------------------|--|
| | | | | | | | | | | | |
| 1983-01-26 | | D | 72019 | 290.12 | | | 1 | Z | | | A |
| 1983-02-14 | | D | 72019 | 289.42 | | | 1 | Z | | | A |
| 1987-10-21 | | D | 72019 | 289.90 | | | 1 | Z | | | A |

Explanation

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

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[Feedback on this web site](#)
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[Subscribe for system changes](#)
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[Accessibility](#) [FOIA](#) [Privacy](#) [Policies and Notices](#)
[U.S. Department of the Interior](#) | [U.S. Geological Survey](#)
Title: Groundwater for USA: Water Levels
URL: <https://nwis.waterdata.usgs.gov/nwis/gwlevels?>



Page Contact Information: [USGS Water Data Support Team](#)
Page Last Modified: 2022-09-20 13:14:53 EDT
0.34 0.26 nadww01



National Water Information System: Web Interface

USGS Water Resources

Data Category:
Groundwater

Geographic Area:
United States

GO

Click forNews Bulletins

Groundwater levels for the Nation

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

Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 320425103415401

Minimum number of levels = 1
[Save file of selected sites](#) to local disk for future upload

USGS 320425103415401 26S.31E.01.42110

Eddy County, New Mexico
Latitude 32°04'25", Longitude 103°41'54" NAD27
Land-surface elevation 3,295 feet above NAVD88
The depth of the well is 340 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Rustler Formation (312RSLR) local aquifer.

Output formats

Table of data

Tab-separated data

Graph of data

Reselect period

| Date | Time | Water-level date-time accuracy | Parameter code | Water level, feet below land surface | Water level, feet above specific vertical datum | Referenced vertical datum | Status | Method of measurement | Measuring agency | Source of measurement | Water-level approval status |
|------------|------|--------------------------------|----------------|--------------------------------------|---|---------------------------|--------|-----------------------|------------------|-----------------------|-----------------------------|
| 1949-03-10 | | D | 72019 | 287.70 | | | 1 | Z | | | A |

Explanation

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

[Questions about sites/data?](#)
[Feedback on this web site](#)
[Automated retrievals](#)
[Help](#)
[Data Tips](#)
[Explanation of terms](#)
[Subscribe for system changes](#)
[News](#)

Appendix B

Field Data & Soil Profile Logs

Sample Log

Date: _____

Project: Wellspring Paduca SWD Booster

Project Number: 16824

Latitude: 32.072257

Longitude: -103.718906

| Sample ID | PID/Odor | Chloride Conc. | GPS |
|-----------|----------|----------------|-----|
| FL1@1 | — | 588 | |
| FL2@1 | — | 536 | |
| FL3@1 | — | 536 | |
| FL4@1 | — | 588 | |
| WW1 | — | 588 | |
| NW1 | — | 400 | |
| EW1 | — | 588 | |
| WW2 | — | 588 | |
| EW2 | — | 488 | |
| EW3 | — | 356 | |
| FL5@1 | — | 588 | |
| FL6@1 | — | 488 | |
| FL7@1 | — | 588 | |
| FL8@1 | — | 536 | |
| FL9@3 | — | 356 | |
| FL10@3 | — | 588 | |
| FL11@1 | — | 588 | |
| WW3 | — | 444 | |
| EW4 | — | 444 | |
| FL12@3 | — | 536 | |
| FL13@3 | — | 580 | |
| FL14 | — | 536 | |
| WW4 | — | 588 | |
| EW5 | — | 588 | |
| FL15@3 | — | 588 | |
| FL16@4 | — | 424 | |
| FL17@4 | — | 572 | |
| FL18@3 | — | 588 | |
| FL19@4 | — | 1364 | |
| FL20@4 | — | 954 | |
| FL21@4 | — | 526 | |
| WW5 | — | 572 | |
| WW6 | — | 520 | |
| FL22@4 | — | 520 | |
| FL23@4 | — | 812 | |
| FL24@4 | — | 832 | |

Sample Point = SP #1 @ ## etc

Floor = FL #1 etc

Sidewall = SW #1 etc

Test Trench = TT #1 @ ##

Refusal = SP #1 @ 4'-R

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

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

Stockpile = Stockpile #1

GPS Sample Points, Center of Comp Areas



Sample Log

Date: _____

Project: Wellspring Paduca SWD Booster

Project Number: _____

16824

Latitude: _____

32.072257

Longitude: _____

-103.718906

| Sample ID | PID/Odor | Chloride Conc. | GPS |
|-----------|----------|----------------|-----|
| FL26@4 | — | 628 | |
| NW2 | — | 572 | |
| EW6 | — | 520 | |
| FL26@4 | — | 1,364 | |
| FL27@4 | — | 1,104 | |
| NW3 | — | 520 | |
| EW7 | — | 468 | |
| SW1 | — | 520 | |
| NW18 | — | 468 | |
| FL18@4 | — | 520 | |
| FL28@4 | — | 468 | |
| FL29@4 | — | 812 | |
| FL13@4 | — | 812 | |
| FL15@4 | — | 812 | |
| FL30@4 | — | 688 | |
| FL31@4 | — | 952 | |
| FL32@4 | — | 952 | |
| FL33@4 | — | 688 | |
| EW8 | — | 520 | |
| EW9 | — | 572 | |
| NW7 | — | 520 | |
| FL34@4 | — | 880 | |
| FL35@4 | — | 572 | |
| FL36@4 | — | 880 | |
| FL37@4 | — | 628 | |
| FL38@4 | — | 812 | |
| FL39@4 | — | 572 | |
| FL40@4 | — | 880 | |
| FL41@4 | — | 812 | |
| FL42@4 | — | 1,028 | |
| FL43@4 | — | 812 | |
| FL44@4 | — | 880 | |
| FL45@4 | — | 886 | |
| FL46@4 | — | 1,028 | |
| FL47@4 | — | 886 | |
| SW2 | — | 572 | |

Sample Point = SP #1 @ ## etc

Floor = FL #1 etc

Sidewall = SW #1 etc

Test Trench = TT #1 @ ##

Refusal = SP #1 @ 4'-R

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

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

Stockpile = Stockpile #1

GPS Sample Points, Center of Comp Areas

FL 45

Sample Log

Date: _____

Project: Wellspring Paduca SWD Booster

Project Number: 16824 Latitude: 32.072257 Longitude: -103.718906

[illegible]

Sample Point = SP #1 @ ## etc

Floor = FL #1 etc

Sidewall = SW #1 etc

Test Trench = TT #1 @ ##

Refusal = SP #1 @ 4'-R

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

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

Stockpile = Stockpile #1

GPS Sample Points, Center of Comp Areas



Soil Profile

Date: _____


Project: Wellspring Paduca SWD Booster
Project Number: 16824 Latitude: 32.072257 Longitude: -103.718906


| Depth (ft. bgs) | Description |
|-----------------|--------------|
| 1 | Sand, Loam |
| 2 | Caliche |
| 3 | Caliche-rock |
| 4 | Caliche-rock |
| 5 | |
| 6 | |
| 7 | |
| 8 | |
| 9 | |
| 10 | |
| 11 | |
| 12 | |
| 13 | |
| 14 | |
| 15 | |
| 16 | |
| 17 | |
| 18 | |
| 19 | |
| 20 | |
| 21 | |
| 22 | |
| 23 | |
| 24 | |
| 25 | |
| 26 | |
| 27 | |
| 28 | |
| 29 | |
| 30 | |
| 31 | |
| 32 | |
| 33 | |
| 34 | |
| 35 | |
| 36 | |
| 37 | |
| 38 | |
| 39 | |
| 40 | |

Appendix C


Photographic Log


Photographic Log

| | |
|---|--|
| Photo Number: 1 |  |
| Photo Direction: North | |
| Photo Description: View of the affected area. | |


| | |
|---|--|
| Photo Number: 2 |  |
| Photo Direction: Northeast | |
| Photo Description: View of the affected area. | |

Photographic Log

| | |
|---|---|
| Photo Number: 3 |  <p>Aug 29, 2022 at 11:04:53 AM</p> <p>+32.072256,-103.718739</p> |
| Photo Direction: North | |
| Photo Description: View of the affected area. | |

| | |
|---|---|
| Photo Number: 4 |  <p>Aug 29, 2022 at 11:05:19 AM</p> <p>+32.070329,-103.718787</p> |
| Photo Direction: North-Northwest | |
| Photo Description: View of the affected area. | |

Photographic Log

| | |
|---|--|
| Photo Number: 5 |  <p>Aug 29, 2022 at 11:05:39 AM +32.070329,-103.718787</p> |
| Photo Direction: North-Northwest | |
| Photo Description: View of the affected area. | |


| | |
|--|---|
| Photo Number: 6 |  <p>October 25, 2022 at 1:24:36 PM +32.072597,-103.718772 Jal, NM 88252</p> |
| Photo Direction: South | |
| Photo Description: View of the excavated area. | |

Photographic Log

| | |
|--|---|
| Photo Number: 7 | <div>October 25, 2022 at 1:25:04 PM +32.072617,-103.718565 Jal, NM 88252</div>  |
| Photo Direction: Southwest | |
| Photo Description: View of the excavated area. | |

| | |
|--|---|
| Photo Number: 8 | <div>October 25, 2022 at 1:26:10 PM +32.072152,-103.718723 Jal, NM 88252</div>  |
| Photo Direction: North-Northwest | |
| Photo Description: View of the excavated area. | |

Photographic Log

| | |
|--|--|
| Photo Number: 9 |  |
| Photo Direction: South-Southeast | |
| Photo Description: View of the excavated area. | |


| | |
|--|--|
| Photo Number: 10 |  |
| Photo Direction: South | |
| Photo Description: View of the excavated area. | |

Photographic Log

| | |
|--|---|
| Photo Number: 11 |  <p>+32.072679,-103.718592 11/3/22, 2:20 PM</p> |
| Photo Direction: South | |
| Photo Description: View of the remediated area after backfill and regrading. | |

| | |
|--|---|
| Photo Number: 12 |  <p>+32.072217,-103.718703 11/3/22, 2:19 PM</p> |
| Photo Direction: South | |
| Photo Description: View of the remediated area after backfill and regrading. | |

Photographic Log

| | |
|--|--|
| Photo Number: 13 |  |
| Photo Direction: North | |
| Photo Description: View of the remediated area after backfill and regrading. | |

+32.071018,-103.718687
11/3/22, 2:15 PM

| | |
|--|--|
| Photo Number: 14 |  |
| Photo Direction: North | |
| Photo Description: View of the remediated area after backfill and regrading. | |

+32.071031,-103.718794
11/3/22, 2:16 PM

Photographic Log

| | |
|--|--|
| Photo Number: 15 |  |
| Photo Direction: East-Northeast | |
| Photo Description: View of the remediated area after backfill and regrading. | |

+32.071529,-103.718792
11/3/22, 2:17 PM

| | |
|--|--|
| Photo Number: 16 |  |
| Photo Direction: North-Northeast | |
| Photo Description: View of the remediated area after backfill and regrading. | |

+32.071622,-103.718787
11/3/22, 2:17 PM

Appendix D

Laboratory Analytical Reports



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

October 17, 2022

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: WELL SPRING PADUCA SWD BOOSTER

Enclosed are the results of analyses for samples received by the laboratory on 10/11/22 16:25.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

| | | | |
|-------------------|--------------------------------|---------------------|----------------|
| Received: | 10/11/2022 | Sampling Date: | 10/11/2022 |
| Reported: | 10/17/2022 | Sampling Type: | Soil |
| Project Name: | WELL SPRING PADUCA SWD BOOSTER | Sampling Condition: | ** (See Notes) |
| Project Number: | NOT GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - RURAL JAL | | |

Sample ID: FL 1 @ 1 (H224783-01)

| 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 | 10/15/2022 | ND | 2.06 | 103 | 2.00 | 3.43 | | |
| Toluene* | <0.050 | 0.050 | 10/15/2022 | ND | 2.02 | 101 | 2.00 | 3.40 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/15/2022 | ND | 1.99 | 99.5 | 2.00 | 3.82 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/15/2022 | ND | 6.04 | 101 | 6.00 | 4.93 | | |
| Total BTX | <0.300 | 0.300 | 10/15/2022 | ND | | | | | | |

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

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 400 | 16.0 | 10/13/2022 | ND | 432 | 108 | 400 | 3.77 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/13/2022 | ND | 205 | 103 | 200 | 1.56 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/13/2022 | ND | 215 | 107 | 200 | 1.44 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/13/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 93.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 96.3 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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 HOBBS NM, 88240
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|-------------------|--------------------------------|---------------------|----------------|
| Received: | 10/11/2022 | Sampling Date: | 10/11/2022 |
| Reported: | 10/17/2022 | Sampling Type: | Soil |
| Project Name: | WELL SPRING PADUCA SWD BOOSTER | Sampling Condition: | ** (See Notes) |
| Project Number: | NOT GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - RURAL JAL | | |

Sample ID: FL 2 @ 1 (H224783-02)

| 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 | 10/14/2022 | ND | 2.06 | 103 | 2.00 | 3.43 | | |
| Toluene* | <0.050 | 0.050 | 10/14/2022 | ND | 2.02 | 101 | 2.00 | 3.40 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/14/2022 | ND | 1.99 | 99.5 | 2.00 | 3.82 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/14/2022 | ND | 6.04 | 101 | 6.00 | 4.93 | | |
| Total BTEx | <0.300 | 0.300 | 10/14/2022 | ND | | | | | | |

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

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 112 | 16.0 | 10/13/2022 | ND | 432 | 108 | 400 | 3.77 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/13/2022 | ND | 205 | 103 | 200 | 1.56 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/13/2022 | ND | 215 | 107 | 200 | 1.44 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/13/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 94.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 96.4 % 46.3-178

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|-------------------|--------------------------------|---------------------|----------------|
| Received: | 10/11/2022 | Sampling Date: | 10/11/2022 |
| Reported: | 10/17/2022 | Sampling Type: | Soil |
| Project Name: | WELL SPRING PADUCA SWD BOOSTER | Sampling Condition: | ** (See Notes) |
| Project Number: | NOT GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - RURAL JAL | | |

Sample ID: FL 3 @ 1 (H224783-03)

| 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 | 10/14/2022 | ND | 2.06 | 103 | 2.00 | 3.43 | | |
| Toluene* | <0.050 | 0.050 | 10/14/2022 | ND | 2.02 | 101 | 2.00 | 3.40 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/14/2022 | ND | 1.99 | 99.5 | 2.00 | 3.82 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/14/2022 | ND | 6.04 | 101 | 6.00 | 4.93 | | |
| Total BTEx | <0.300 | 0.300 | 10/14/2022 | ND | | | | | | |

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

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 144 | 16.0 | 10/13/2022 | ND | 432 | 108 | 400 | 3.77 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/13/2022 | ND | 205 | 103 | 200 | 1.56 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/13/2022 | ND | 215 | 107 | 200 | 1.44 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/13/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 107 % 45.3-161

Surrogate: 1-Chlorooctadecane 110 % 46.3-178

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|-------------------|--------------------------------|---------------------|----------------|
| Received: | 10/11/2022 | Sampling Date: | 10/11/2022 |
| Reported: | 10/17/2022 | Sampling Type: | Soil |
| Project Name: | WELL SPRING PADUCA SWD BOOSTER | Sampling Condition: | ** (See Notes) |
| Project Number: | NOT GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - RURAL JAL | | |

Sample ID: FL 4 @ 1 (H224783-04)

| 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 | 10/14/2022 | ND | 2.12 | 106 | 2.00 | 7.15 | | |
| Toluene* | <0.050 | 0.050 | 10/14/2022 | ND | 2.10 | 105 | 2.00 | 8.34 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/14/2022 | ND | 2.06 | 103 | 2.00 | 6.94 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/14/2022 | ND | 6.30 | 105 | 6.00 | 7.32 | | |
| Total BTEx | <0.300 | 0.300 | 10/14/2022 | ND | | | | | | |

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

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 192 | 16.0 | 10/13/2022 | ND | 432 | 108 | 400 | 3.77 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/13/2022 | ND | 205 | 103 | 200 | 1.56 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/13/2022 | ND | 215 | 107 | 200 | 1.44 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/13/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 110 % 45.3-161

Surrogate: 1-Chlorooctadecane 114 % 46.3-178

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 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

| | | | |
|-------------------|--------------------------------|---------------------|----------------|
| Received: | 10/11/2022 | Sampling Date: | 10/11/2022 |
| Reported: | 10/17/2022 | Sampling Type: | Soil |
| Project Name: | WELL SPRING PADUCA SWD BOOSTER | Sampling Condition: | ** (See Notes) |
| Project Number: | NOT GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - RURAL JAL | | |

Sample ID: NW 1 (H224783-05)

| 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 | 10/14/2022 | ND | 2.12 | 106 | 2.00 | 7.15 | | |
| Toluene* | <0.050 | 0.050 | 10/14/2022 | ND | 2.10 | 105 | 2.00 | 8.34 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/14/2022 | ND | 2.06 | 103 | 2.00 | 6.94 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/14/2022 | ND | 6.30 | 105 | 6.00 | 7.32 | | |
| Total BTEx | <0.300 | 0.300 | 10/14/2022 | ND | | | | | | |

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

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 240 | 16.0 | 10/13/2022 | ND | 432 | 108 | 400 | 3.77 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/13/2022 | ND | 205 | 103 | 200 | 1.56 | |
| DRO >C10-C28* | 133 | 10.0 | 10/13/2022 | ND | 215 | 107 | 200 | 1.44 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/13/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 96.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 105 % 46.3-178

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 HOBBS NM, 88240
 Fax To:

| | | | |
|-------------------|--------------------------------|---------------------|----------------|
| Received: | 10/11/2022 | Sampling Date: | 10/11/2022 |
| Reported: | 10/17/2022 | Sampling Type: | Soil |
| Project Name: | WELL SPRING PADUCA SWD BOOSTER | Sampling Condition: | ** (See Notes) |
| Project Number: | NOT GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - RURAL JAL | | |

Sample ID: WW 1 (H224783-06)

| 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 | 10/14/2022 | ND | 2.12 | 106 | 2.00 | 7.15 | | |
| Toluene* | <0.050 | 0.050 | 10/14/2022 | ND | 2.10 | 105 | 2.00 | 8.34 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/14/2022 | ND | 2.06 | 103 | 2.00 | 6.94 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/14/2022 | ND | 6.30 | 105 | 6.00 | 7.32 | | |
| Total BTEX | <0.300 | 0.300 | 10/14/2022 | ND | | | | | | |

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

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 304 | 16.0 | 10/13/2022 | ND | 432 | 108 | 400 | 3.77 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/13/2022 | ND | 205 | 103 | 200 | 1.56 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/13/2022 | ND | 215 | 107 | 200 | 1.44 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/13/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 108 % 45.3-161

Surrogate: 1-Chlorooctadecane 118 % 46.3-178

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Analytical Results For:

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 Fax To:

Received: 10/11/2022
 Reported: 10/17/2022
 Project Name: WELL SPRING PADUCA SWD BOOSTER
 Project Number: NOT GIVEN
 Project Location: MEWBOURNE - RURAL JAL

Sampling Date: 10/11/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: WW 2 (H224783-07)

| 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 | 10/14/2022 | ND | 2.12 | 106 | 2.00 | 7.15 | | |
| Toluene* | <0.050 | 0.050 | 10/14/2022 | ND | 2.10 | 105 | 2.00 | 8.34 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/14/2022 | ND | 2.06 | 103 | 2.00 | 6.94 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/14/2022 | ND | 6.30 | 105 | 6.00 | 7.32 | | |
| Total BTEx | <0.300 | 0.300 | 10/14/2022 | ND | | | | | | |

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

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 288 | 16.0 | 10/13/2022 | ND | 432 | 108 | 400 | 3.77 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/13/2022 | ND | 230 | 115 | 200 | 1.24 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/13/2022 | ND | 244 | 122 | 200 | 0.648 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/13/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 82.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 96.9 % 46.3-178

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| | | | |
|-------------------|--------------------------------|---------------------|----------------|
| Received: | 10/11/2022 | Sampling Date: | 10/11/2022 |
| Reported: | 10/17/2022 | Sampling Type: | Soil |
| Project Name: | WELL SPRING PADUCA SWD BOOSTER | Sampling Condition: | ** (See Notes) |
| Project Number: | NOT GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - RURAL JAL | | |

Sample ID: EW 1 (H224783-08)

| 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 | 10/14/2022 | ND | 2.12 | 106 | 2.00 | 7.15 | | |
| Toluene* | <0.050 | 0.050 | 10/14/2022 | ND | 2.10 | 105 | 2.00 | 8.34 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/14/2022 | ND | 2.06 | 103 | 2.00 | 6.94 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/14/2022 | ND | 6.30 | 105 | 6.00 | 7.32 | | |
| Total BTEX | <0.300 | 0.300 | 10/14/2022 | ND | | | | | | |

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

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 240 | 16.0 | 10/13/2022 | ND | 432 | 108 | 400 | 3.77 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/13/2022 | ND | 230 | 115 | 200 | 1.24 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/13/2022 | ND | 244 | 122 | 200 | 0.648 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/13/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 54.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 60.4 % 46.3-178

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

| | | | |
|-------------------|--------------------------------|---------------------|----------------|
| Received: | 10/11/2022 | Sampling Date: | 10/11/2022 |
| Reported: | 10/17/2022 | Sampling Type: | Soil |
| Project Name: | WELL SPRING PADUCA SWD BOOSTER | Sampling Condition: | ** (See Notes) |
| Project Number: | NOT GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - RURAL JAL | | |

Sample ID: EW 2 (H224783-09)

| 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 | 10/14/2022 | ND | 2.12 | 106 | 2.00 | 7.15 | | |
| Toluene* | <0.050 | 0.050 | 10/14/2022 | ND | 2.10 | 105 | 2.00 | 8.34 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/14/2022 | ND | 2.06 | 103 | 2.00 | 6.94 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/14/2022 | ND | 6.30 | 105 | 6.00 | 7.32 | | |
| Total BTEX | <0.300 | 0.300 | 10/14/2022 | ND | | | | | | |

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

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 128 | 16.0 | 10/13/2022 | ND | 432 | 108 | 400 | 3.77 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/13/2022 | ND | 230 | 115 | 200 | 1.24 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/13/2022 | ND | 244 | 122 | 200 | 0.648 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/13/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 83.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 97.4 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

| | | | |
|-------------------|--------------------------------|---------------------|----------------|
| Received: | 10/11/2022 | Sampling Date: | 10/11/2022 |
| Reported: | 10/17/2022 | Sampling Type: | Soil |
| Project Name: | WELL SPRING PADUCA SWD BOOSTER | Sampling Condition: | ** (See Notes) |
| Project Number: | NOT GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - RURAL JAL | | |

Sample ID: EW 3 (H224783-10)

| BTEx 8021B | | mg/kg | | Analyzed By: JH/ | | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 10/14/2022 | ND | 2.12 | 106 | 2.00 | 7.15 | | |
| Toluene* | <0.050 | 0.050 | 10/14/2022 | ND | 2.10 | 105 | 2.00 | 8.34 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/14/2022 | ND | 2.06 | 103 | 2.00 | 6.94 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/14/2022 | ND | 6.30 | 105 | 6.00 | 7.32 | | |
| Total BTEx | <0.300 | 0.300 | 10/14/2022 | ND | | | | | | |

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

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 112 | 16.0 | 10/13/2022 | ND | 432 | 108 | 400 | 3.77 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/13/2022 | ND | 230 | 115 | 200 | 1.24 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/13/2022 | ND | 244 | 122 | 200 | 0.648 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/13/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 83.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 98.8 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager



CARDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|----------|-----------------------------|------------------|---|-------------|------------|------|--------|-------|-----------|------------|-------|-------|------|--|--|--|--|--|--|--|--|--|--|--|
| Company Name: Etch Environmental & Safety Solutions | | BILL TO | | ANALYSIS REQUEST | | | | | | | | | | | | | | | | | | | | | |
| Project Manager: | | P.O. #: | | <div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div> | | | | | | | | | | | | | | | | | | | | | |
| Address: 2617 West Marland | | Company: Newbourn | | | | | | | | | | | | | | | | | | | | | | | |
| City: Hobbs State: NM Zip: 88240 | | Attn: Connor Walker | | | | | | | | | | | | | | | | | | | | | | | |
| Phone #: (575) 264-9884 Fax #: | | Address: 4801 Bus Park Blvd | | | | | | | | | | | | | | | | | | | | | | | |
| Project #: Project Owner: Newbourn | | City: Hobbs | | | | | | | | | | | | | | | | | | | | | | | |
| Project Name: Wellspring Paduca SUD Booster | | State: NM Zip: | | | | | | | | | | | | | | | | | | | | | | | |
| Project Location: Rural Jct NM | | Phone #: | | | | | | | | | | | | | | | | | | | | | | | |
| Sampler Name: Dominic Casarez | | Fax #: | | | | | | | | | | | | | | | | | | | | | | | |
| FOR LAB USE ONLY | Lab I.D. | Sample I.D. | (G/RAB OR C/OMP) | # CONTAINERS | GROUNDWATER | WASTEWATER | SOIL | SLUDGE | OTHER | ACID/BASE | ICE / COOL | OTHER | DATE | TIME | | | | | | | | | | | |
| | H224783 | | | | | | | | | | | | 10:11 | 5:22 | | | | | | | | | | | |
| | DC | 1 FL1@1 | | | | | | | | | | | | | | | | | | | | | | | |
| | | 2 FL2@1 | | | | | | | | | | | | | | | | | | | | | | | |
| | | 3 FL3@1 | | | | | | | | | | | | | | | | | | | | | | | |
| | | 4 FL4@1 | | | | | | | | | | | | | | | | | | | | | | | |
| | | 5 NW1 | | | | | | | | | | | | | | | | | | | | | | | |
| | | 6 WW1 | | | | | | | | | | | | | | | | | | | | | | | |
| | | 7 WW2 | | | | | | | | | | | | | | | | | | | | | | | |
| | | 8 EW1 | | | | | | | | | | | | | | | | | | | | | | | |
| | | 9 EW2 | | | | | | | | | | | | | | | | | | | | | | | |
| | | 10 EW3 | | | | | | | | | | | | | | | | | | | | | | | |

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| | | | | |
|--|-------------------------------|--|---|----------------|
| Relinquished By: | Date: 10-11 Time: 5:22 | Received By: | Phone Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Add'l Phone #: |
| Relinquished By: | Date: 10-11-22 Time: 10:25 | Received By: | Fax Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Add'l Fax #: |
| Delivered By: (Circle One) | #113 | Sample Condition | REMARKS: email results | |
| Sampler - UPS - Bus - Other: 29.6° / 29.0° | | Cool Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | |
| | | CHECKED BY: (Initials) V-D | | |

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



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

October 19, 2022

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: WELL SPRING PADUCA SWD BOOSTER

Enclosed are the results of analyses for samples received by the laboratory on 10/13/22 16:15.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

| | | | |
|-------------------|--------------------------------|---------------------|----------------|
| Received: | 10/13/2022 | Sampling Date: | 10/12/2022 |
| Reported: | 10/19/2022 | Sampling Type: | Soil |
| Project Name: | WELL SPRING PADUCA SWD BOOSTER | Sampling Condition: | Cool & Intact |
| Project Number: | NOT GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - RURAL JAL | | |

Sample ID: EW 4 (H224848-01)

| 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 | 10/18/2022 | ND | 1.98 | 99.0 | 2.00 | 8.43 | |
| Toluene* | <0.050 | 0.050 | 10/18/2022 | ND | 1.96 | 98.1 | 2.00 | 7.98 | |
| Ethylbenzene* | <0.050 | 0.050 | 10/18/2022 | ND | 1.94 | 97.1 | 2.00 | 8.46 | |
| Total Xylenes* | <0.150 | 0.150 | 10/18/2022 | ND | 5.93 | 98.8 | 6.00 | 8.59 | |
| Total BTX | <0.300 | 0.300 | 10/18/2022 | ND | | | | | |

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

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 528 | 16.0 | 10/17/2022 | ND | 432 | 108 | 400 | 3.64 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/18/2022 | ND | 246 | 123 | 200 | 5.53 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/18/2022 | ND | 209 | 104 | 200 | 1.30 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/18/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 109 % 45.3-161

Surrogate: 1-Chlorooctadecane 118 % 46.3-178

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Analytical Results For:

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

| | | | |
|-------------------|--------------------------------|---------------------|----------------|
| Received: | 10/13/2022 | Sampling Date: | 10/12/2022 |
| Reported: | 10/19/2022 | Sampling Type: | Soil |
| Project Name: | WELL SPRING PADUCA SWD BOOSTER | Sampling Condition: | Cool & Intact |
| Project Number: | NOT GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - RURAL JAL | | |

Sample ID: WW 3 (H224848-02)

| 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 | 10/18/2022 | ND | 1.98 | 99.0 | 2.00 | 8.43 | | |
| Toluene* | <0.050 | 0.050 | 10/18/2022 | ND | 1.96 | 98.1 | 2.00 | 7.98 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/18/2022 | ND | 1.94 | 97.1 | 2.00 | 8.46 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/18/2022 | ND | 5.93 | 98.8 | 6.00 | 8.59 | | |
| Total BTEX | <0.300 | 0.300 | 10/18/2022 | ND | | | | | | |

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

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 160 | 16.0 | 10/17/2022 | ND | 432 | 108 | 400 | 3.64 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/17/2022 | ND | 231 | 116 | 200 | 2.11 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/17/2022 | ND | 219 | 110 | 200 | 5.82 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/17/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 90.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 92.9 % 46.3-178

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Analytical Results For:

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

| | | | |
|-------------------|--------------------------------|---------------------|----------------|
| Received: | 10/13/2022 | Sampling Date: | 10/12/2022 |
| Reported: | 10/19/2022 | Sampling Type: | Soil |
| Project Name: | WELL SPRING PADUCA SWD BOOSTER | Sampling Condition: | Cool & Intact |
| Project Number: | NOT GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - RURAL JAL | | |

Sample ID: WW 4 (H224848-03)

| 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 | 10/18/2022 | ND | 1.98 | 99.0 | 2.00 | 8.43 | | |
| Toluene* | <0.050 | 0.050 | 10/18/2022 | ND | 1.96 | 98.1 | 2.00 | 7.98 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/18/2022 | ND | 1.94 | 97.1 | 2.00 | 8.46 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/18/2022 | ND | 5.93 | 98.8 | 6.00 | 8.59 | | |
| Total BTEX | <0.300 | 0.300 | 10/18/2022 | ND | | | | | | |

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

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 176 | 16.0 | 10/17/2022 | ND | 432 | 108 | 400 | 3.64 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/17/2022 | ND | 231 | 116 | 200 | 2.11 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/17/2022 | ND | 219 | 110 | 200 | 5.82 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/17/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 89.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 92.3 % 46.3-178

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Analytical Results For:

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

| | | | |
|-------------------|--------------------------------|---------------------|----------------|
| Received: | 10/13/2022 | Sampling Date: | 10/12/2022 |
| Reported: | 10/19/2022 | Sampling Type: | Soil |
| Project Name: | WELL SPRING PADUCA SWD BOOSTER | Sampling Condition: | Cool & Intact |
| Project Number: | NOT GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - RURAL JAL | | |

Sample ID: FL 5 @ 1 (H224848-04)

| 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 | 10/18/2022 | ND | 1.98 | 99.0 | 2.00 | 8.43 | | |
| Toluene* | <0.050 | 0.050 | 10/18/2022 | ND | 1.96 | 98.1 | 2.00 | 7.98 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/18/2022 | ND | 1.94 | 97.1 | 2.00 | 8.46 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/18/2022 | ND | 5.93 | 98.8 | 6.00 | 8.59 | | |
| Total BTEX | <0.300 | 0.300 | 10/18/2022 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 288 | 16.0 | 10/17/2022 | ND | 432 | 108 | 400 | 3.64 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/17/2022 | ND | 231 | 116 | 200 | 2.11 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/17/2022 | ND | 219 | 110 | 200 | 5.82 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/17/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 81.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 81.8 % 46.3-178

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Analytical Results For:

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 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 10/13/2022
 Reported: 10/19/2022
 Project Name: WELL SPRING PADUCA SWD BOOSTER
 Project Number: NOT GIVEN
 Project Location: MEWBOURNE - RURAL JAL

Sampling Date: 10/12/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 6 @ 1 (H224848-05)

| 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 | 10/18/2022 | ND | 1.98 | 99.0 | 2.00 | 8.43 | | |
| Toluene* | <0.050 | 0.050 | 10/18/2022 | ND | 1.96 | 98.1 | 2.00 | 7.98 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/18/2022 | ND | 1.94 | 97.1 | 2.00 | 8.46 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/18/2022 | ND | 5.93 | 98.8 | 6.00 | 8.59 | | |
| Total BTEx | <0.300 | 0.300 | 10/18/2022 | ND | | | | | | |

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

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 144 | 16.0 | 10/17/2022 | ND | 432 | 108 | 400 | 3.64 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/17/2022 | ND | 231 | 116 | 200 | 2.11 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/17/2022 | ND | 219 | 110 | 200 | 5.82 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/17/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 82.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 84.0 % 46.3-178

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 HOBBS NM, 88240
 Fax To:

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|-------------------|--------------------------------|---------------------|----------------|
| Received: | 10/13/2022 | Sampling Date: | 10/12/2022 |
| Reported: | 10/19/2022 | Sampling Type: | Soil |
| Project Name: | WELL SPRING PADUCA SWD BOOSTER | Sampling Condition: | Cool & Intact |
| Project Number: | NOT GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - RURAL JAL | | |

Sample ID: FL 7 @ 1 (H224848-06)

| 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 | 10/18/2022 | ND | 1.98 | 99.0 | 2.00 | 8.43 | | |
| Toluene* | <0.050 | 0.050 | 10/18/2022 | ND | 1.96 | 98.1 | 2.00 | 7.98 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/18/2022 | ND | 1.94 | 97.1 | 2.00 | 8.46 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/18/2022 | ND | 5.93 | 98.8 | 6.00 | 8.59 | | |
| Total BTEX | <0.300 | 0.300 | 10/18/2022 | ND | | | | | | |

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

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 320 | 16.0 | 10/17/2022 | ND | 432 | 108 | 400 | 3.64 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| GRO C6-C10* | <10.0 | 10.0 | 10/17/2022 | ND | 231 | 116 | 200 | 2.11 | | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/17/2022 | ND | 219 | 110 | 200 | 5.82 | | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/17/2022 | ND | | | | | | |

Surrogate: 1-Chlorooctane 82.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 82.9 % 46.3-178

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 HOBBS NM, 88240
 Fax To:

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|-------------------|--------------------------------|---------------------|----------------|
| Received: | 10/13/2022 | Sampling Date: | 10/12/2022 |
| Reported: | 10/19/2022 | Sampling Type: | Soil |
| Project Name: | WELL SPRING PADUCA SWD BOOSTER | Sampling Condition: | Cool & Intact |
| Project Number: | NOT GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - RURAL JAL | | |

Sample ID: FL 8 @ 1 (H224848-07)

| 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 | 10/18/2022 | ND | 1.98 | 99.0 | 2.00 | 8.43 | | |
| Toluene* | <0.050 | 0.050 | 10/18/2022 | ND | 1.96 | 98.1 | 2.00 | 7.98 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/18/2022 | ND | 1.94 | 97.1 | 2.00 | 8.46 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/18/2022 | ND | 5.93 | 98.8 | 6.00 | 8.59 | | |
| Total BTEx | <0.300 | 0.300 | 10/18/2022 | ND | | | | | | |

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

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 336 | 16.0 | 10/17/2022 | ND | 432 | 108 | 400 | 3.64 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/17/2022 | ND | 231 | 116 | 200 | 2.11 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/17/2022 | ND | 219 | 110 | 200 | 5.82 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/17/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 83.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 83.8 % 46.3-178

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

| | | | |
|-------------------|--------------------------------|---------------------|----------------|
| Received: | 10/13/2022 | Sampling Date: | 10/12/2022 |
| Reported: | 10/19/2022 | Sampling Type: | Soil |
| Project Name: | WELL SPRING PADUCA SWD BOOSTER | Sampling Condition: | Cool & Intact |
| Project Number: | NOT GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - RURAL JAL | | |

Sample ID: FL 9 @ 3 (H224848-08)

| 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 | 10/18/2022 | ND | 1.98 | 99.0 | 2.00 | 8.43 | | |
| Toluene* | <0.050 | 0.050 | 10/18/2022 | ND | 1.96 | 98.1 | 2.00 | 7.98 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/18/2022 | ND | 1.94 | 97.1 | 2.00 | 8.46 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/18/2022 | ND | 5.93 | 98.8 | 6.00 | 8.59 | | |
| Total BTEX | <0.300 | 0.300 | 10/18/2022 | ND | | | | | | |

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

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 96.0 | 16.0 | 10/17/2022 | ND | 432 | 108 | 400 | 3.64 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/17/2022 | ND | 231 | 116 | 200 | 2.11 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/17/2022 | ND | 219 | 110 | 200 | 5.82 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/17/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 79.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 80.8 % 46.3-178

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Analytical Results For:

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 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

| | | | |
|-------------------|--------------------------------|---------------------|----------------|
| Received: | 10/13/2022 | Sampling Date: | 10/12/2022 |
| Reported: | 10/19/2022 | Sampling Type: | Soil |
| Project Name: | WELL SPRING PADUCA SWD BOOSTER | Sampling Condition: | Cool & Intact |
| Project Number: | NOT GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - RURAL JAL | | |

Sample ID: FL 10 @ 3 (H224848-09)

| 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 | 10/18/2022 | ND | 1.98 | 99.0 | 2.00 | 8.43 | | |
| Toluene* | <0.050 | 0.050 | 10/18/2022 | ND | 1.96 | 98.1 | 2.00 | 7.98 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/18/2022 | ND | 1.94 | 97.1 | 2.00 | 8.46 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/18/2022 | ND | 5.93 | 98.8 | 6.00 | 8.59 | | |
| Total BTEx | <0.300 | 0.300 | 10/18/2022 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 320 | 16.0 | 10/18/2022 | ND | 448 | 112 | 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 | 10/17/2022 | ND | 231 | 116 | 200 | 2.11 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/17/2022 | ND | 219 | 110 | 200 | 5.82 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/17/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 78.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 81.3 % 46.3-178

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Analytical Results For:

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

Received: 10/13/2022
 Reported: 10/19/2022
 Project Name: WELL SPRING PADUCA SWD BOOSTER
 Project Number: NOT GIVEN
 Project Location: MEWBOURNE - RURAL JAL

Sampling Date: 10/12/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 11 @ 2 (H224848-10)

| BTEx 8021B | | mg/kg | | Analyzed By: JH/ | | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 10/18/2022 | ND | 1.98 | 99.0 | 2.00 | 8.43 | | |
| Toluene* | <0.050 | 0.050 | 10/18/2022 | ND | 1.96 | 98.1 | 2.00 | 7.98 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/18/2022 | ND | 1.94 | 97.1 | 2.00 | 8.46 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/18/2022 | ND | 5.93 | 98.8 | 6.00 | 8.59 | | |
| Total BTEX | <0.300 | 0.300 | 10/18/2022 | ND | | | | | | |

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

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 192 | 16.0 | 10/18/2022 | ND | 448 | 112 | 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 | 10/17/2022 | ND | 231 | 116 | 200 | 2.11 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/17/2022 | ND | 219 | 110 | 200 | 5.82 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/17/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 84.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 85.8 % 46.3-178

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Analytical Results For:

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

| | | | |
|-------------------|--------------------------------|---------------------|----------------|
| Received: | 10/13/2022 | Sampling Date: | 10/13/2022 |
| Reported: | 10/19/2022 | Sampling Type: | Soil |
| Project Name: | WELL SPRING PADUCA SWD BOOSTER | Sampling Condition: | Cool & Intact |
| Project Number: | NOT GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - RURAL JAL | | |

Sample ID: EW 5 (H224848-11)

| 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 | 10/18/2022 | ND | 1.98 | 99.0 | 2.00 | 8.43 | | |
| Toluene* | <0.050 | 0.050 | 10/18/2022 | ND | 1.96 | 98.1 | 2.00 | 7.98 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/18/2022 | ND | 1.94 | 97.1 | 2.00 | 8.46 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/18/2022 | ND | 5.93 | 98.8 | 6.00 | 8.59 | | |
| Total BTEx | <0.300 | 0.300 | 10/18/2022 | ND | | | | | | |

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

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 288 | 16.0 | 10/18/2022 | ND | 448 | 112 | 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 | 10/18/2022 | ND | 231 | 116 | 200 | 2.11 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/18/2022 | ND | 219 | 110 | 200 | 5.82 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/18/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 92.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 93.6 % 46.3-178

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Analytical Results For:

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

| | | | |
|-------------------|--------------------------------|---------------------|----------------|
| Received: | 10/13/2022 | Sampling Date: | 10/13/2022 |
| Reported: | 10/19/2022 | Sampling Type: | Soil |
| Project Name: | WELL SPRING PADUCA SWD BOOSTER | Sampling Condition: | Cool & Intact |
| Project Number: | NOT GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - RURAL JAL | | |

Sample ID: FL 12 @ 3 (H224848-12)

| BTEx 8021B | | mg/kg | | Analyzed By: JH/ | | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 10/18/2022 | ND | 1.98 | 99.0 | 2.00 | 8.43 | | |
| Toluene* | <0.050 | 0.050 | 10/18/2022 | ND | 1.96 | 98.1 | 2.00 | 7.98 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/18/2022 | ND | 1.94 | 97.1 | 2.00 | 8.46 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/18/2022 | ND | 5.93 | 98.8 | 6.00 | 8.59 | | |
| Total BTEX | <0.300 | 0.300 | 10/18/2022 | ND | | | | | | |

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

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 224 | 16.0 | 10/18/2022 | ND | 448 | 112 | 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 | 10/18/2022 | ND | 231 | 116 | 200 | 2.11 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/18/2022 | ND | 219 | 110 | 200 | 5.82 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/18/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 86.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 87.9 % 46.3-178

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 HOBBS NM, 88240
 Fax To:

| | | | |
|-------------------|--------------------------------|---------------------|----------------|
| Received: | 10/13/2022 | Sampling Date: | 10/13/2022 |
| Reported: | 10/19/2022 | Sampling Type: | Soil |
| Project Name: | WELL SPRING PADUCA SWD BOOSTER | Sampling Condition: | Cool & Intact |
| Project Number: | NOT GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - RURAL JAL | | |

Sample ID: FL 13 @ 3 (H224848-13)

| BTEx 8021B | | mg/kg | | Analyzed By: JH/ | | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 10/18/2022 | ND | 1.98 | 99.0 | 2.00 | 8.43 | | |
| Toluene* | <0.050 | 0.050 | 10/18/2022 | ND | 1.96 | 98.1 | 2.00 | 7.98 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/18/2022 | ND | 1.94 | 97.1 | 2.00 | 8.46 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/18/2022 | ND | 5.93 | 98.8 | 6.00 | 8.59 | | |
| Total BTEX | <0.300 | 0.300 | 10/18/2022 | ND | | | | | | |

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

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 608 | 16.0 | 10/18/2022 | ND | 448 | 112 | 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 | 10/18/2022 | ND | 231 | 116 | 200 | 2.11 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/18/2022 | ND | 219 | 110 | 200 | 5.82 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/18/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 109 % 45.3-161

Surrogate: 1-Chlorooctadecane 109 % 46.3-178

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 HOBBS NM, 88240
 Fax To:

Received: 10/13/2022
 Reported: 10/19/2022
 Project Name: WELL SPRING PADUCA SWD BOOSTER
 Project Number: NOT GIVEN
 Project Location: MEWBOURNE - RURAL JAL

Sampling Date: 10/13/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 14 @ 3 (H224848-14)

| 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 | 10/18/2022 | ND | 1.98 | 99.0 | 2.00 | 8.43 | | |
| Toluene* | <0.050 | 0.050 | 10/18/2022 | ND | 1.96 | 98.1 | 2.00 | 7.98 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/18/2022 | ND | 1.94 | 97.1 | 2.00 | 8.46 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/18/2022 | ND | 5.93 | 98.8 | 6.00 | 8.59 | | |
| Total BTEx | <0.300 | 0.300 | 10/18/2022 | ND | | | | | | |

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

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 560 | 16.0 | 10/18/2022 | ND | 448 | 112 | 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 | 10/18/2022 | ND | 231 | 116 | 200 | 2.11 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/18/2022 | ND | 219 | 110 | 200 | 5.82 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/18/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 104 % 45.3-161

Surrogate: 1-Chlorooctadecane 102 % 46.3-178

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Analytical Results For:

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 HOBBS NM, 88240
 Fax To:

| | | | |
|-------------------|--------------------------------|---------------------|----------------|
| Received: | 10/13/2022 | Sampling Date: | 10/13/2022 |
| Reported: | 10/19/2022 | Sampling Type: | Soil |
| Project Name: | WELL SPRING PADUCA SWD BOOSTER | Sampling Condition: | Cool & Intact |
| Project Number: | NOT GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - RURAL JAL | | |

Sample ID: FL 15 @ 3 (H224848-15)

| BTEx 8021B | | mg/kg | | Analyzed By: JH/ | | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 10/18/2022 | ND | 1.98 | 99.0 | 2.00 | 8.43 | | |
| Toluene* | <0.050 | 0.050 | 10/18/2022 | ND | 1.96 | 98.1 | 2.00 | 7.98 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/18/2022 | ND | 1.94 | 97.1 | 2.00 | 8.46 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/18/2022 | ND | 5.93 | 98.8 | 6.00 | 8.59 | | |
| Total BTEX | <0.300 | 0.300 | 10/18/2022 | ND | | | | | | |

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

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 800 | 16.0 | 10/18/2022 | ND | 448 | 112 | 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 | 10/18/2022 | ND | 231 | 116 | 200 | 2.11 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/18/2022 | ND | 219 | 110 | 200 | 5.82 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/18/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 102 % 45.3-161

Surrogate: 1-Chlorooctadecane 104 % 46.3-178

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 HOBBS NM, 88240
 Fax To:

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|-------------------|--------------------------------|---------------------|----------------|
| Received: | 10/13/2022 | Sampling Date: | 10/13/2022 |
| Reported: | 10/19/2022 | Sampling Type: | Soil |
| Project Name: | WELL SPRING PADUCA SWD BOOSTER | Sampling Condition: | Cool & Intact |
| Project Number: | NOT GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - RURAL JAL | | |

Sample ID: FL 16 @ 3 (H224848-16)

| 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 | 10/18/2022 | ND | 1.98 | 99.0 | 2.00 | 8.43 | | |
| Toluene* | <0.050 | 0.050 | 10/18/2022 | ND | 1.96 | 98.1 | 2.00 | 7.98 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/18/2022 | ND | 1.94 | 97.1 | 2.00 | 8.46 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/18/2022 | ND | 5.93 | 98.8 | 6.00 | 8.59 | | |
| Total BTEx | <0.300 | 0.300 | 10/18/2022 | ND | | | | | | |

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

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 464 | 16.0 | 10/18/2022 | ND | 448 | 112 | 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 | 10/18/2022 | ND | 231 | 116 | 200 | 2.11 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/18/2022 | ND | 219 | 110 | 200 | 5.82 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/18/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 102 % 45.3-161

Surrogate: 1-Chlorooctadecane 101 % 46.3-178

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 HOBBS NM, 88240
 Fax To:

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|-------------------|--------------------------------|---------------------|----------------|
| Received: | 10/13/2022 | Sampling Date: | 10/13/2022 |
| Reported: | 10/19/2022 | Sampling Type: | Soil |
| Project Name: | WELL SPRING PADUCA SWD BOOSTER | Sampling Condition: | Cool & Intact |
| Project Number: | NOT GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - RURAL JAL | | |

Sample ID: FL 17 @ 3 (H224848-17)

| 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 | 10/18/2022 | ND | 1.98 | 99.0 | 2.00 | 8.43 | | |
| Toluene* | <0.050 | 0.050 | 10/18/2022 | ND | 1.96 | 98.1 | 2.00 | 7.98 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/18/2022 | ND | 1.94 | 97.1 | 2.00 | 8.46 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/18/2022 | ND | 5.93 | 98.8 | 6.00 | 8.59 | | |
| Total BTEx | <0.300 | 0.300 | 10/18/2022 | ND | | | | | | |

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

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 176 | 16.0 | 10/18/2022 | ND | 448 | 112 | 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 | 10/18/2022 | ND | 231 | 116 | 200 | 2.11 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/18/2022 | ND | 219 | 110 | 200 | 5.82 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/18/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 102 % 45.3-161

Surrogate: 1-Chlorooctadecane 98.8 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

| | | | |
|-------------------|--------------------------------|---------------------|----------------|
| Received: | 10/13/2022 | Sampling Date: | 10/13/2022 |
| Reported: | 10/19/2022 | Sampling Type: | Soil |
| Project Name: | WELL SPRING PADUCA SWD BOOSTER | Sampling Condition: | Cool & Intact |
| Project Number: | NOT GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - RURAL JAL | | |

Sample ID: FL 18 @ 3 (H224848-18)

| BTEx 8021B | | mg/kg | | Analyzed By: JH/ | | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 10/18/2022 | ND | 1.98 | 99.0 | 2.00 | 8.43 | | |
| Toluene* | <0.050 | 0.050 | 10/18/2022 | ND | 1.96 | 98.1 | 2.00 | 7.98 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/18/2022 | ND | 1.94 | 97.1 | 2.00 | 8.46 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/18/2022 | ND | 5.93 | 98.8 | 6.00 | 8.59 | | |
| Total BTEx | <0.300 | 0.300 | 10/18/2022 | ND | | | | | | |

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

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 1010 | 16.0 | 10/18/2022 | ND | 448 | 112 | 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 | 10/18/2022 | ND | 231 | 116 | 200 | 2.11 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/18/2022 | ND | 219 | 110 | 200 | 5.82 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/18/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 95.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 93.2 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager



ARDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

| | | | | | | | | | | | | | | | | | | | | | | |
|---|-------------|-------------------|--------------|---------------------------|------------|---------|-----|---|-------|-----------|------------|-------|-------|------|--|--|--|--|--|--|--|--|
| Company Name: Etch Environmental & Safety Solutions | | | | BILL TO | | | | ANALYSIS REQUEST | | | | | | | | | | | | | | |
| Project Manager: Lane Branshaw | | | | P.O. #: | | | | <div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div> | | | | | | | | | | | | | | |
| Address: 2617 West Marland | | | | Company: Mark Horn | | | | | | | | | | | | | | | | | | |
| City: Hobbs State: NM Zip: 88240 | | | | Attn: Connor Walker | | | | | | | | | | | | | | | | | | |
| Phone #: (575) 264-9884 Fax #: | | | | Address: 904 Burr Park Rd | | | | | | | | | | | | | | | | | | |
| Project #: Project Owner: Mark Horn | | | | City: Hobbs | | | | | | | | | | | | | | | | | | |
| Project Name: Wellspring Paducah SW Booster | | | | State: NM Zip: | | | | | | | | | | | | | | | | | | |
| Project Location: Rural J21 | | | | Phone #: | | | | | | | | | | | | | | | | | | |
| Sampler Name: Dominic Casarez | | | | Fax #: | | | | | | | | | | | | | | | | | | |
| FOR LAB USE ONLY | | | | MATRIX | | PRESERV | | SAMPLING | | | | | | | | | | | | | | |
| Lab I.D. | Sample I.D. | (G)RAB OR (C)OMP. | # CONTAINERS | GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER | ACID/BASE | ICE / COOL | OTHER | DATE | TIME | | | | | | | | |
| H224848 | | | | | | | | | | | | | 10/12 | | | | | | | | | |
| 1 | EW4 | | | | | | | | | | | | | | | | | | | | | |
| 2 | WW3 | | | | | | | | | | | | | | | | | | | | | |
| 3 | WW4 | | | | | | | | | | | | | | | | | | | | | |
| 4 | FL 501 | | | | | | | | | | | | | | | | | | | | | |
| 5 | FL 601 | | | | | | | | | | | | | | | | | | | | | |
| 6 | FL 701 | | | | | | | | | | | | | | | | | | | | | |
| 7 | FL 801 | | | | | | | | | | | | | | | | | | | | | |
| 8 | FL 903 | | | | | | | | | | | | | | | | | | | | | |
| 9 | FL 1003 | | | | | | | | | | | | | | | | | | | | | |
| 10 | FL 1002 | | | | | | | | | | | | | | | | | | | | | |

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| | | | | |
|--|---------------------------|--------------|---|----------------|
| Relinquished By: | Date: 10/13 Time: 1615 | Received By: | Phone Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Add'l Phone #: |
| Relinquished By: | Date: | Received By: | Fax Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Add'l Fax #: |
| Delivered By: (Circle One) Sampler - UPS - Bus - Other: 1.4c / 0.8c #13 | | | REMARKS: email results | |
| Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | | | CHECKED BY: (Initials) JO | |

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(505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325) 673-7020

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|-----------------|------------------|--------------|---|------------|---------|----------|--------|-------|-----------|------------|-------|--------------|------|--|--|--|--|--|--|--|--|--|--|
| Company Name: Etch Environmental & Safety Solutions | | BILL TO | | ANALYSIS REQUEST | | | | | | | | | | | | | | | | | | | | |
| Project Manager: <u>Lane Crenshaw</u> | | P.O. #: | | <div style="display: flex; justify-content: space-around;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Chloride</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TPH (8015M)</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">BTEX (8021B)</div> </div> | | | | | | | | | | | | | | | | | | | | |
| Address: 2617 West Marland | | Company: | | | | | | | | | | | | | | | | | | | | | | |
| City: Hobbs State: NM Zip: 88240 | | Attn: | | | | | | | | | | | | | | | | | | | | | | |
| Phone #: (575) 264-9884 Fax #: | | Address: | | | | | | | | | | | | | | | | | | | | | | |
| Project #: Project Owner: | | City: | | | | | | | | | | | | | | | | | | | | | | |
| Project Name: <u>Well Spring Padula SWS</u> | | State: Zip: | | | | | | | | | | | | | | | | | | | | | | |
| Project Location: <u>Purge Soil</u> | | Phone #: | | | | | | | | | | | | | | | | | | | | | | |
| Sampler Name: <u>Rominil Pabarez</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>H224848</u> | | | | | | | | | | | | | <u>10/13</u> | | | | | | | | | | | |
| | <u>FL11 EWS</u> | | | | | | | | | | | | | | | | | | | | | | | |
| | <u>FL12 @ 3</u> | | | | | | | | | | | | | | | | | | | | | | | |
| | <u>FL13 @ 3</u> | | | | | | | | | | | | | | | | | | | | | | | |
| | <u>FL14 @ 3</u> | | | | | | | | | | | | | | | | | | | | | | | |
| | <u>FL15 @ 3</u> | | | | | | | | | | | | | | | | | | | | | | | |
| | <u>FL16 @ 3</u> | | | | | | | | | | | | | | | | | | | | | | | |
| | <u>FL17 @ 3</u> | | | | | | | | | | | | | | | | | | | | | | | |
| | <u>FL18 @ 3</u> | | | | | | | | | | | | | | | | | | | | | | | |

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| | | | | |
|---|--------------------|---|---|----------------|
| Relinquished By: <u>[Signature]</u> | Date: <u>10/13</u> | Received By: <u>[Signature]</u> | Phone Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Add'l Phone #: |
| Relinquished By: | Time: <u>16:15</u> | Received By: | Fax Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Add'l Fax #: |
| Delivered By: (Circle One) | | Sample Condition | REMARKS: | |
| Sampler - UPS - Bus - Other: <u>1.4c/0.8c</u> | | Cool Intact | email results | |
| | | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | |
| | | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | |
| | | CHECKED BY: <u>[Signature]</u> | | |

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

October 19, 2022

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: WELL SPRING PADUCA SWD BOOSTER

Enclosed are the results of analyses for samples received by the laboratory on 10/14/22 14:51.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

| | | | |
|-------------------|--------------------------------|---------------------|----------------|
| Received: | 10/14/2022 | Sampling Date: | 10/14/2022 |
| Reported: | 10/19/2022 | Sampling Type: | Soil |
| Project Name: | WELL SPRING PADUCA SWD BOOSTER | Sampling Condition: | ** (See Notes) |
| Project Number: | NOT GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - RURAL JAL | | |

Sample ID: FL 19 @ 4 (H224856-01)

| 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 | 10/18/2022 | ND | 2.05 | 102 | 2.00 | 0.553 | | |
| Toluene* | <0.050 | 0.050 | 10/18/2022 | ND | 2.17 | 108 | 2.00 | 0.214 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/18/2022 | ND | 2.02 | 101 | 2.00 | 0.0113 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/18/2022 | ND | 6.07 | 101 | 6.00 | 1.05 | | |
| Total BTX | <0.300 | 0.300 | 10/18/2022 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 1490 | 16.0 | 10/18/2022 | 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 | 10/18/2022 | ND | 210 | 105 | 200 | 2.92 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/18/2022 | ND | 215 | 108 | 200 | 4.46 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/18/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 91.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 94.1 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

| | | | |
|-------------------|--------------------------------|---------------------|----------------|
| Received: | 10/14/2022 | Sampling Date: | 10/14/2022 |
| Reported: | 10/19/2022 | Sampling Type: | Soil |
| Project Name: | WELL SPRING PADUCA SWD BOOSTER | Sampling Condition: | ** (See Notes) |
| Project Number: | NOT GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - RURAL JAL | | |

Sample ID: FL 20 @ 4 (H224856-02)

| 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 | 10/18/2022 | ND | 2.05 | 102 | 2.00 | 0.553 | | |
| Toluene* | <0.050 | 0.050 | 10/18/2022 | ND | 2.17 | 108 | 2.00 | 0.214 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/18/2022 | ND | 2.02 | 101 | 2.00 | 0.0113 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/18/2022 | ND | 6.07 | 101 | 6.00 | 1.05 | | |
| Total BTEX | <0.300 | 0.300 | 10/18/2022 | ND | | | | | | |

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

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 912 | 16.0 | 10/18/2022 | 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 | 10/18/2022 | ND | 210 | 105 | 200 | 2.92 | | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/18/2022 | ND | 215 | 108 | 200 | 4.46 | | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/18/2022 | ND | | | | | | |

Surrogate: 1-Chlorooctane 91.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 93.1 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/14/2022
 Reported: 10/19/2022
 Project Name: WELL SPRING PADUCA SWD BOOSTER
 Project Number: NOT GIVEN
 Project Location: MEWBOURNE - RURAL JAL

Sampling Date: 10/14/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: FL 21 @ 4 (H224856-03)

| 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 | 10/18/2022 | ND | 2.05 | 102 | 2.00 | 0.553 | |
| Toluene* | <0.050 | 0.050 | 10/18/2022 | ND | 2.17 | 108 | 2.00 | 0.214 | |
| Ethylbenzene* | <0.050 | 0.050 | 10/18/2022 | ND | 2.02 | 101 | 2.00 | 0.0113 | |
| Total Xylenes* | <0.150 | 0.150 | 10/18/2022 | ND | 6.07 | 101 | 6.00 | 1.05 | |
| Total BTEx | <0.300 | 0.300 | 10/18/2022 | ND | | | | | |

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

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 384 | 16.0 | 10/18/2022 | 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 | 10/18/2022 | ND | 210 | 105 | 200 | 2.92 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/18/2022 | ND | 215 | 108 | 200 | 4.46 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/18/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 93.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 95.0 % 46.3-178

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 10/14/2022
 Reported: 10/19/2022
 Project Name: WELL SPRING PADUCA SWD BOOSTER
 Project Number: NOT GIVEN
 Project Location: MEWBOURNE - RURAL JAL

Sampling Date: 10/14/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: WW 5 (H224856-04)

| 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 | 10/18/2022 | ND | 2.05 | 102 | 2.00 | 0.553 | |
| Toluene* | <0.050 | 0.050 | 10/18/2022 | ND | 2.17 | 108 | 2.00 | 0.214 | |
| Ethylbenzene* | <0.050 | 0.050 | 10/18/2022 | ND | 2.02 | 101 | 2.00 | 0.0113 | |
| Total Xylenes* | <0.150 | 0.150 | 10/18/2022 | ND | 6.07 | 101 | 6.00 | 1.05 | |
| Total BTEX | <0.300 | 0.300 | 10/18/2022 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 352 | 16.0 | 10/18/2022 | 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 | 10/18/2022 | ND | 210 | 105 | 200 | 2.92 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/18/2022 | ND | 215 | 108 | 200 | 4.46 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/18/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 82.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 85.9 % 46.3-178

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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 "C. D. Keene".

Celey D. Keene, Lab Director/Quality Manager



ARDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|-------------|--|------------------------------------|--|--------------|--|---|--|------------|--|------|--|--------|--|-------|--|-----------|--|------------|--|-------|--|-------|--|------|--|
| Company Name: Etch Environmental & Safety Solutions | | | | BILL TO | | | | ANALYSIS REQUEST | | | | | | | | | | | | | | | | | | | |
| Project Manager: <u>Lane Crenshaw</u> | | | | P.O. #: | | | | <div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div> | | | | | | | | | | | | | | | | | | | |
| Address: 2617 West Marland | | | | Company: <u>Mebourn</u> | | | | | | | | | | | | | | | | | | | | | | | |
| City: Hobbs State: NM Zip: 88240 | | | | Attn: <u>Conner Walker</u> | | | | | | | | | | | | | | | | | | | | | | | |
| Phone #: (575) 264-9884 Fax #: | | | | Address: <u>4801 Bus Park Blvd</u> | | | | | | | | | | | | | | | | | | | | | | | |
| Project #: Project Owner: <u>Mebourn</u> | | | | City: <u>Hobbs</u> | | | | | | | | | | | | | | | | | | | | | | | |
| Project Name: <u>Wellspring Paduca SWD Booster</u> | | | | State: <u>NM</u> Zip: | | | | | | | | | | | | | | | | | | | | | | | |
| Project Location: <u>Rural Jal NM</u> | | | | Phone #: | | | | | | | | | | | | | | | | | | | | | | | |
| Sampler Name: <u>Dominic Casarez</u> | | | | Fax #: | | | | | | | | | | | | | | | | | | | | | | | |
| FOR LAB USE ONLY | | | | | | MATRIX | | PRESERV | | SAMPLING | | | | | | | | | | | | | | | | | |
| Lab I.D. | | Sample I.D. | | (G)RAB OR (C)OMP. | | # CONTAINERS | | GROUNDWATER | | WASTEWATER | | SOIL | | SLUDGE | | OTHER | | ACID/BASE | | ICE / COOL | | OTHER | | DATE | | TIME | |
| H224856 | | 1 FL 19 @ 4 | | | | | | | | | | | | | | | | | | | | | | 10/14 | | 2:51 | |
| | | 2 FL 20 @ 4 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 3 FL 21 @ 4 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 4 WWS | | | | | | | | | | | | | | | | | | | | | | | | | |
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PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

October 28, 2022

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: WELL SPRING PADUCA SWD BOOSTER

Enclosed are the results of analyses for samples received by the laboratory on 10/20/22 16:16.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

| | | | |
|-------------------|--------------------------------|---------------------|----------------|
| Received: | 10/20/2022 | Sampling Date: | 10/20/2022 |
| Reported: | 10/28/2022 | Sampling Type: | Soil |
| Project Name: | WELL SPRING PADUCA SWD BOOSTER | Sampling Condition: | ** (See Notes) |
| Project Number: | 16824 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - RURAL JAL | | |

Sample ID: EW 6 (H224951-01)

| BTEX 8260B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.025 | 0.025 | 10/27/2022 | ND | 2.06 | 103 | 2.00 | 5.61 | |
| Toluene* | <0.025 | 0.025 | 10/27/2022 | ND | 2.13 | 106 | 2.00 | 6.16 | |
| Ethylbenzene* | <0.025 | 0.025 | 10/27/2022 | ND | 2.08 | 104 | 2.00 | 6.62 | |
| Total Xylenes* | <0.075 | 0.075 | 10/27/2022 | ND | 6.46 | 108 | 6.00 | 6.26 | |
| Total BTEX | <0.150 | 0.150 | 10/27/2022 | ND | | | | | |

Surrogate: Dibromofluoromethane 97.7 % 83.7-114

Surrogate: Toluene-d8 103 % 95.3-107

Surrogate: 4-Bromofluorobenzene 97.3 % 50.9-150

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 256 | 16.0 | 10/26/2022 | ND | 400 | 100 | 400 | 7.69 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/26/2022 | ND | 226 | 113 | 200 | 4.68 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/26/2022 | ND | 195 | 97.6 | 200 | 2.08 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/26/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 134 % 45.3-161

Surrogate: 1-Chlorooctadecane 146 % 46.3-178

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 10/20/2022
 Reported: 10/28/2022
 Project Name: WELL SPRING PADUCA SWD BOOSTER
 Project Number: 16824
 Project Location: MEWBOURNE - RURAL JAL

Sampling Date: 10/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: WW 6 (H224951-02)

| BTEx 8260B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.025 | 0.025 | 10/27/2022 | ND | 2.06 | 103 | 2.00 | 5.61 | |
| Toluene* | <0.025 | 0.025 | 10/27/2022 | ND | 2.13 | 106 | 2.00 | 6.16 | |
| Ethylbenzene* | <0.025 | 0.025 | 10/27/2022 | ND | 2.08 | 104 | 2.00 | 6.62 | |
| Total Xylenes* | <0.075 | 0.075 | 10/27/2022 | ND | 6.46 | 108 | 6.00 | 6.26 | |
| Total BTEX | <0.150 | 0.150 | 10/27/2022 | ND | | | | | |

Surrogate: Dibromofluoromethane 97.3 % 83.7-114
 Surrogate: Toluene-d8 98.7 % 95.3-107
 Surrogate: 4-Bromofluorobenzene 100 % 50.9-150

| 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 | 10/26/2022 | ND | 400 | 100 | 400 | 7.69 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/26/2022 | ND | 226 | 113 | 200 | 4.68 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/26/2022 | ND | 195 | 97.6 | 200 | 2.08 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/26/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 142 % 45.3-161
 Surrogate: 1-Chlorooctadecane 158 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 10/20/2022
 Reported: 10/28/2022
 Project Name: WELL SPRING PADUCA SWD BOOSTER
 Project Number: 16824
 Project Location: MEWBOURNE - RURAL JAL

Sampling Date: 10/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: EW 7 (H224951-03)

| BTEx 8260B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.025 | 0.025 | 10/27/2022 | ND | 2.06 | 103 | 2.00 | 5.61 | | |
| Toluene* | <0.025 | 0.025 | 10/27/2022 | ND | 2.13 | 106 | 2.00 | 6.16 | | |
| Ethylbenzene* | <0.025 | 0.025 | 10/27/2022 | ND | 2.08 | 104 | 2.00 | 6.62 | | |
| Total Xylenes* | <0.075 | 0.075 | 10/27/2022 | ND | 6.46 | 108 | 6.00 | 6.26 | | |
| Total BTEX | <0.150 | 0.150 | 10/27/2022 | ND | | | | | | |

Surrogate: Dibromofluoromethane 95.9 % 83.7-114
 Surrogate: Toluene-d8 97.6 % 95.3-107
 Surrogate: 4-Bromofluorobenzene 99.4 % 50.9-150

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 16.0 | 16.0 | 10/26/2022 | ND | 400 | 100 | 400 | 7.69 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/26/2022 | ND | 226 | 113 | 200 | 4.68 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/26/2022 | ND | 195 | 97.6 | 200 | 2.08 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/26/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 118 % 45.3-161
 Surrogate: 1-Chlorooctadecane 131 % 46.3-178

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Analytical Results For:

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

| | | | |
|-------------------|--------------------------------|---------------------|----------------|
| Received: | 10/20/2022 | Sampling Date: | 10/20/2022 |
| Reported: | 10/28/2022 | Sampling Type: | Soil |
| Project Name: | WELL SPRING PADUCA SWD BOOSTER | Sampling Condition: | ** (See Notes) |
| Project Number: | 16824 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - RURAL JAL | | |

Sample ID: EW 8 (H224951-04)

| BTEx 8260B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.025 | 0.025 | 10/27/2022 | ND | 2.06 | 103 | 2.00 | 5.61 | | |
| Toluene* | <0.025 | 0.025 | 10/27/2022 | ND | 2.13 | 106 | 2.00 | 6.16 | | |
| Ethylbenzene* | <0.025 | 0.025 | 10/27/2022 | ND | 2.08 | 104 | 2.00 | 6.62 | | |
| Total Xylenes* | <0.075 | 0.075 | 10/27/2022 | ND | 6.46 | 108 | 6.00 | 6.26 | | |
| Total BTEX | <0.150 | 0.150 | 10/27/2022 | ND | | | | | | |

Surrogate: Dibromofluoromethane 96.3 % 83.7-114
 Surrogate: Toluene-d8 99.2 % 95.3-107
 Surrogate: 4-Bromofluorobenzene 99.2 % 50.9-150

| 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 | 10/26/2022 | ND | 400 | 100 | 400 | 7.69 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/26/2022 | ND | 226 | 113 | 200 | 4.68 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/26/2022 | ND | 195 | 97.6 | 200 | 2.08 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/26/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 114 % 45.3-161
 Surrogate: 1-Chlorooctadecane 126 % 46.3-178

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Analytical Results For:

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

Received: 10/20/2022
 Reported: 10/28/2022
 Project Name: WELL SPRING PADUCA SWD BOOSTER
 Project Number: 16824
 Project Location: MEWBOURNE - RURAL JAL

Sampling Date: 10/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: NW 2 (H224951-05)

| BTEx 8260B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.025 | 0.025 | 10/27/2022 | ND | 2.06 | 103 | 2.00 | 5.61 | | |
| Toluene* | <0.025 | 0.025 | 10/27/2022 | ND | 2.13 | 106 | 2.00 | 6.16 | | |
| Ethylbenzene* | <0.025 | 0.025 | 10/27/2022 | ND | 2.08 | 104 | 2.00 | 6.62 | | |
| Total Xylenes* | <0.075 | 0.075 | 10/27/2022 | ND | 6.46 | 108 | 6.00 | 6.26 | | |
| Total BTEX | <0.150 | 0.150 | 10/27/2022 | ND | | | | | | |

Surrogate: Dibromofluoromethane 96.6 % 83.7-114
 Surrogate: Toluene-d8 98.8 % 95.3-107
 Surrogate: 4-Bromofluorobenzene 99.0 % 50.9-150

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 288 | 16.0 | 10/26/2022 | ND | 400 | 100 | 400 | 7.69 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/26/2022 | ND | 226 | 113 | 200 | 4.68 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/26/2022 | ND | 195 | 97.6 | 200 | 2.08 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/26/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 118 % 45.3-161
 Surrogate: 1-Chlorooctadecane 132 % 46.3-178

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Analytical Results For:

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

Received: 10/20/2022
 Reported: 10/28/2022
 Project Name: WELL SPRING PADUCA SWD BOOSTER
 Project Number: 16824
 Project Location: MEWBOURNE - RURAL JAL

Sampling Date: 10/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: NW 3 (H224951-06)

| BTEx 8260B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.025 | 0.025 | 10/27/2022 | ND | 2.06 | 103 | 2.00 | 5.61 | |
| Toluene* | <0.025 | 0.025 | 10/27/2022 | ND | 2.13 | 106 | 2.00 | 6.16 | |
| Ethylbenzene* | <0.025 | 0.025 | 10/27/2022 | ND | 2.08 | 104 | 2.00 | 6.62 | |
| Total Xylenes* | <0.075 | 0.075 | 10/27/2022 | ND | 6.46 | 108 | 6.00 | 6.26 | |
| Total BTEX | <0.150 | 0.150 | 10/27/2022 | ND | | | | | |

Surrogate: Dibromofluoromethane 95.6 % 83.7-114
 Surrogate: Toluene-d8 99.1 % 95.3-107
 Surrogate: 4-Bromofluorobenzene 100 % 50.9-150

| 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 | 10/26/2022 | ND | 400 | 100 | 400 | 7.69 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/26/2022 | ND | 223 | 112 | 200 | 1.66 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/26/2022 | ND | 211 | 106 | 200 | 0.332 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/26/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 110 % 45.3-161
 Surrogate: 1-Chlorooctadecane 115 % 46.3-178

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Analytical Results For:

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

Received: 10/20/2022
 Reported: 10/28/2022
 Project Name: WELL SPRING PADUCA SWD BOOSTER
 Project Number: 16824
 Project Location: MEWBOURNE - RURAL JAL

Sampling Date: 10/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SW 1 (H224951-07)

| BTEx 8260B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.025 | 0.025 | 10/27/2022 | ND | 2.06 | 103 | 2.00 | 5.61 | |
| Toluene* | <0.025 | 0.025 | 10/27/2022 | ND | 2.13 | 106 | 2.00 | 6.16 | |
| Ethylbenzene* | <0.025 | 0.025 | 10/27/2022 | ND | 2.08 | 104 | 2.00 | 6.62 | |
| Total Xylenes* | <0.075 | 0.075 | 10/27/2022 | ND | 6.46 | 108 | 6.00 | 6.26 | |
| Total BTEX | <0.150 | 0.150 | 10/27/2022 | ND | | | | | |

Surrogate: Dibromofluoromethane 98.0 % 83.7-114
 Surrogate: Toluene-d8 99.5 % 95.3-107
 Surrogate: 4-Bromofluorobenzene 99.8 % 50.9-150

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 208 | 16.0 | 10/26/2022 | ND | 400 | 100 | 400 | 7.69 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/26/2022 | ND | 223 | 112 | 200 | 1.66 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/26/2022 | ND | 211 | 106 | 200 | 0.332 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/26/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 112 % 45.3-161
 Surrogate: 1-Chlorooctadecane 118 % 46.3-178

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Analytical Results For:

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

Received: 10/20/2022
 Reported: 10/28/2022
 Project Name: WELL SPRING PADUCA SWD BOOSTER
 Project Number: 16824
 Project Location: MEWBOURNE - RURAL JAL

Sampling Date: 10/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: FL 22 @ 4 (H224951-08)

| BTX 8260B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.025 | 0.025 | 10/27/2022 | ND | 2.06 | 103 | 2.00 | 5.61 | |
| Toluene* | <0.025 | 0.025 | 10/27/2022 | ND | 2.13 | 106 | 2.00 | 6.16 | |
| Ethylbenzene* | <0.025 | 0.025 | 10/27/2022 | ND | 2.08 | 104 | 2.00 | 6.62 | |
| Total Xylenes* | <0.075 | 0.075 | 10/27/2022 | ND | 6.46 | 108 | 6.00 | 6.26 | |
| Total BTX | <0.150 | 0.150 | 10/27/2022 | ND | | | | | |

Surrogate: Dibromofluoromethane 96.8 % 83.7-114
 Surrogate: Toluene-d8 101 % 95.3-107
 Surrogate: 4-Bromofluorobenzene 97.6 % 50.9-150

| 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 | 10/26/2022 | ND | 400 | 100 | 400 | 7.69 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/26/2022 | ND | 223 | 112 | 200 | 1.66 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/26/2022 | ND | 211 | 106 | 200 | 0.332 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/26/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 94.1 % 45.3-161
 Surrogate: 1-Chlorooctadecane 100 % 46.3-178

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Analytical Results For:

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

Received: 10/20/2022
 Reported: 10/28/2022
 Project Name: WELL SPRING PADUCA SWD BOOSTER
 Project Number: 16824
 Project Location: MEWBOURNE - RURAL JAL

Sampling Date: 10/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: FL 23 @ 4 (H224951-09)

| BTEx 8260B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.025 | 0.025 | 10/28/2022 | ND | 2.06 | 103 | 2.00 | 5.61 | |
| Toluene* | <0.025 | 0.025 | 10/28/2022 | ND | 2.13 | 106 | 2.00 | 6.16 | |
| Ethylbenzene* | <0.025 | 0.025 | 10/28/2022 | ND | 2.08 | 104 | 2.00 | 6.62 | |
| Total Xylenes* | <0.075 | 0.075 | 10/28/2022 | ND | 6.46 | 108 | 6.00 | 6.26 | |
| Total BTEx | <0.150 | 0.150 | 10/28/2022 | ND | | | | | |

Surrogate: Dibromofluoromethane 101 % 83.7-114
 Surrogate: Toluene-d8 101 % 95.3-107
 Surrogate: 4-Bromofluorobenzene 96.9 % 50.9-150

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 176 | 16.0 | 10/26/2022 | ND | 400 | 100 | 400 | 7.69 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/26/2022 | ND | 223 | 112 | 200 | 1.66 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/26/2022 | ND | 211 | 106 | 200 | 0.332 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/26/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 101 % 45.3-161
 Surrogate: 1-Chlorooctadecane 107 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 10/20/2022
 Reported: 10/28/2022
 Project Name: WELL SPRING PADUCA SWD BOOSTER
 Project Number: 16824
 Project Location: MEWBOURNE - RURAL JAL

Sampling Date: 10/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: FL 24 @ 4 (H224951-10)

| BTEx 8260B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.025 | 0.025 | 10/28/2022 | ND | 1.84 | 92.1 | 2.00 | 8.03 | |
| Toluene* | <0.025 | 0.025 | 10/28/2022 | ND | 1.88 | 94.1 | 2.00 | 6.24 | |
| Ethylbenzene* | <0.025 | 0.025 | 10/28/2022 | ND | 1.84 | 91.8 | 2.00 | 7.12 | |
| Total Xylenes* | <0.075 | 0.075 | 10/28/2022 | ND | 5.71 | 95.2 | 6.00 | 7.30 | |
| Total BTEX | <0.150 | 0.150 | 10/28/2022 | ND | | | | | |

Surrogate: Dibromofluoromethane 98.3 % 83.7-114
 Surrogate: Toluene-d8 99.1 % 95.3-107
 Surrogate: 4-Bromofluorobenzene 99.5 % 50.9-150

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 608 | 16.0 | 10/26/2022 | ND | 400 | 100 | 400 | 7.69 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/26/2022 | ND | 223 | 112 | 200 | 1.66 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/26/2022 | ND | 211 | 106 | 200 | 0.332 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/26/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 98.9 % 45.3-161
 Surrogate: 1-Chlorooctadecane 106 % 46.3-178

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Analytical Results For:

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

Received: 10/20/2022
 Reported: 10/28/2022
 Project Name: WELL SPRING PADUCA SWD BOOSTER
 Project Number: 16824
 Project Location: MEWBOURNE - RURAL JAL

Sampling Date: 10/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: FL 13 (H224951-11)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 384 | 16.0 | 10/26/2022 | ND | 400 | 100 | 400 | 7.69 | | |

Sample ID: FL 15 (H224951-12)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 176 | 16.0 | 10/26/2022 | ND | 400 | 100 | 400 | 7.69 | |

Sample ID: FL 18 (H224951-13)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 224 | 16.0 | 10/26/2022 | ND | 400 | 100 | 400 | 7.69 | |

Sample ID: NW 1 B (H224951-14)

| 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 | 10/26/2022 | ND | 223 | 112 | 200 | 1.66 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/26/2022 | ND | 211 | 106 | 200 | 0.332 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/26/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 106 % 45.3-161

Surrogate: 1-Chlorooctadecane 108 % 46.3-178

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Analytical Results For:

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

Received: 10/20/2022
 Reported: 10/28/2022
 Project Name: WELL SPRING PADUCA SWD BOOSTER
 Project Number: 16824
 Project Location: MEWBOURNE - RURAL JAL

Sampling Date: 10/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: FL 25 @ 4 (H224951-15)

| BTEx 8260B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.025 | 0.025 | 10/28/2022 | ND | 1.84 | 92.1 | 2.00 | 8.03 | |
| Toluene* | <0.025 | 0.025 | 10/28/2022 | ND | 1.88 | 94.1 | 2.00 | 6.24 | |
| Ethylbenzene* | <0.025 | 0.025 | 10/28/2022 | ND | 1.84 | 91.8 | 2.00 | 7.12 | |
| Total Xylenes* | <0.075 | 0.075 | 10/28/2022 | ND | 5.71 | 95.2 | 6.00 | 7.30 | |
| Total BTEX | <0.150 | 0.150 | 10/28/2022 | ND | | | | | |

Surrogate: Dibromofluoromethane 98.8 % 83.7-114
 Surrogate: Toluene-d8 98.3 % 95.3-107
 Surrogate: 4-Bromofluorobenzene 99.1 % 50.9-150

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 320 | 16.0 | 10/26/2022 | ND | 400 | 100 | 400 | 7.69 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/26/2022 | ND | 223 | 112 | 200 | 1.66 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/26/2022 | ND | 211 | 106 | 200 | 0.332 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/26/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 102 % 45.3-161
 Surrogate: 1-Chlorooctadecane 105 % 46.3-178

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Analytical Results For:

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

Received: 10/20/2022
 Reported: 10/28/2022
 Project Name: WELL SPRING PADUCA SWD BOOSTER
 Project Number: 16824
 Project Location: MEWBOURNE - RURAL JAL

Sampling Date: 10/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: FL 26 @ 4 (H224951-16)

| BTEx 8260B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.025 | 0.025 | 10/28/2022 | ND | 1.84 | 92.1 | 2.00 | 8.03 | |
| Toluene* | <0.025 | 0.025 | 10/28/2022 | ND | 1.88 | 94.1 | 2.00 | 6.24 | |
| Ethylbenzene* | <0.025 | 0.025 | 10/28/2022 | ND | 1.84 | 91.8 | 2.00 | 7.12 | |
| Total Xylenes* | <0.075 | 0.075 | 10/28/2022 | ND | 5.71 | 95.2 | 6.00 | 7.30 | |
| Total BTEX | <0.150 | 0.150 | 10/28/2022 | ND | | | | | |

Surrogate: Dibromofluoromethane 99.3 % 83.7-114
 Surrogate: Toluene-d8 99.5 % 95.3-107
 Surrogate: 4-Bromofluorobenzene 96.7 % 50.9-150

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1200 | 16.0 | 10/26/2022 | ND | 400 | 100 | 400 | 7.69 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/26/2022 | ND | 231 | 116 | 200 | 0.223 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/26/2022 | ND | 234 | 117 | 200 | 0.202 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/26/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 97.1 % 45.3-161
 Surrogate: 1-Chlorooctadecane 118 % 46.3-178

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Analytical Results For:

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

Received: 10/20/2022
 Reported: 10/28/2022
 Project Name: WELL SPRING PADUCA SWD BOOSTER
 Project Number: 16824
 Project Location: MEWBOURNE - RURAL JAL

Sampling Date: 10/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: FL 27 @ 4 (H224951-17)

| BTEx 8260B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.025 | 0.025 | 10/28/2022 | ND | 1.84 | 92.1 | 2.00 | 8.03 | |
| Toluene* | <0.025 | 0.025 | 10/28/2022 | ND | 1.88 | 94.1 | 2.00 | 6.24 | |
| Ethylbenzene* | <0.025 | 0.025 | 10/28/2022 | ND | 1.84 | 91.8 | 2.00 | 7.12 | |
| Total Xylenes* | <0.075 | 0.075 | 10/28/2022 | ND | 5.71 | 95.2 | 6.00 | 7.30 | |
| Total BTEX | <0.150 | 0.150 | 10/28/2022 | ND | | | | | |

Surrogate: Dibromofluoromethane 100 % 83.7-114
 Surrogate: Toluene-d8 102 % 95.3-107
 Surrogate: 4-Bromofluorobenzene 95.6 % 50.9-150

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1520 | 16.0 | 10/26/2022 | ND | 400 | 100 | 400 | 7.69 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/26/2022 | ND | 231 | 116 | 200 | 0.223 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/26/2022 | ND | 234 | 117 | 200 | 0.202 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/26/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 98.3 % 45.3-161
 Surrogate: 1-Chlorooctadecane 121 % 46.3-178

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Analytical Results For:

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

Received: 10/20/2022
 Reported: 10/28/2022
 Project Name: WELL SPRING PADUCA SWD BOOSTER
 Project Number: 16824
 Project Location: MEWBOURNE - RURAL JAL

Sampling Date: 10/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: FL 28 @ 4 (H224951-18)

| BTEx 8260B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.025 | 0.025 | 10/28/2022 | ND | 1.84 | 92.1 | 2.00 | 8.03 | |
| Toluene* | <0.025 | 0.025 | 10/28/2022 | ND | 1.88 | 94.1 | 2.00 | 6.24 | |
| Ethylbenzene* | <0.025 | 0.025 | 10/28/2022 | ND | 1.84 | 91.8 | 2.00 | 7.12 | |
| Total Xylenes* | <0.075 | 0.075 | 10/28/2022 | ND | 5.71 | 95.2 | 6.00 | 7.30 | |
| Total BTEX | <0.150 | 0.150 | 10/28/2022 | ND | | | | | |

Surrogate: Dibromofluoromethane 102 % 83.7-114
 Surrogate: Toluene-d8 101 % 95.3-107
 Surrogate: 4-Bromofluorobenzene 96.7 % 50.9-150

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 176 | 16.0 | 10/26/2022 | ND | 400 | 100 | 400 | 7.69 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/26/2022 | ND | 231 | 116 | 200 | 0.223 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/26/2022 | ND | 234 | 117 | 200 | 0.202 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/26/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 96.7 % 45.3-161
 Surrogate: 1-Chlorooctadecane 118 % 46.3-178

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Analytical Results For:

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

| | | | |
|-------------------|--------------------------------|---------------------|----------------|
| Received: | 10/20/2022 | Sampling Date: | 10/20/2022 |
| Reported: | 10/28/2022 | Sampling Type: | Soil |
| Project Name: | WELL SPRING PADUCA SWD BOOSTER | Sampling Condition: | ** (See Notes) |
| Project Number: | 16824 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - RURAL JAL | | |

Sample ID: FL 29 @ 4 (H224951-19)

| BTEx 8260B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.025 | 0.025 | 10/28/2022 | ND | 1.84 | 92.1 | 2.00 | 8.03 | |
| Toluene* | <0.025 | 0.025 | 10/28/2022 | ND | 1.88 | 94.1 | 2.00 | 6.24 | |
| Ethylbenzene* | <0.025 | 0.025 | 10/28/2022 | ND | 1.84 | 91.8 | 2.00 | 7.12 | |
| Total Xylenes* | <0.075 | 0.075 | 10/28/2022 | ND | 5.71 | 95.2 | 6.00 | 7.30 | |
| Total BTEX | <0.150 | 0.150 | 10/28/2022 | ND | | | | | |

Surrogate: Dibromofluoromethane 103 % 83.7-114
 Surrogate: Toluene-d8 101 % 95.3-107
 Surrogate: 4-Bromofluorobenzene 97.7 % 50.9-150

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 432 | 16.0 | 10/26/2022 | ND | 400 | 100 | 400 | 7.69 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/26/2022 | ND | 231 | 116 | 200 | 0.223 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/26/2022 | ND | 234 | 117 | 200 | 0.202 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/26/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 105 % 45.3-161
 Surrogate: 1-Chlorooctadecane 129 % 46.3-178

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Analytical Results For:

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

Received: 10/20/2022
 Reported: 10/28/2022
 Project Name: WELL SPRING PADUCA SWD BOOSTER
 Project Number: 16824
 Project Location: MEWBOURNE - RURAL JAL

Sampling Date: 10/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: FL 30 @ 4 (H224951-20)

| BTEx 8260B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.025 | 0.025 | 10/28/2022 | ND | 1.84 | 92.1 | 2.00 | 8.03 | |
| Toluene* | <0.025 | 0.025 | 10/28/2022 | ND | 1.88 | 94.1 | 2.00 | 6.24 | |
| Ethylbenzene* | <0.025 | 0.025 | 10/28/2022 | ND | 1.84 | 91.8 | 2.00 | 7.12 | |
| Total Xylenes* | <0.075 | 0.075 | 10/28/2022 | ND | 5.71 | 95.2 | 6.00 | 7.30 | |
| Total BTEX | <0.150 | 0.150 | 10/28/2022 | ND | | | | | |

Surrogate: Dibromofluoromethane 101 % 83.7-114
 Surrogate: Toluene-d8 101 % 95.3-107
 Surrogate: 4-Bromofluorobenzene 97.7 % 50.9-150

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 800 | 16.0 | 10/26/2022 | ND | 400 | 100 | 400 | 7.69 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/26/2022 | ND | 231 | 116 | 200 | 0.223 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/26/2022 | ND | 234 | 117 | 200 | 0.202 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/26/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 95.6 % 45.3-161
 Surrogate: 1-Chlorooctadecane 117 % 46.3-178

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

| | | | |
|-------------------|--------------------------------|---------------------|----------------|
| Received: | 10/20/2022 | Sampling Date: | 10/20/2022 |
| Reported: | 10/28/2022 | Sampling Type: | Soil |
| Project Name: | WELL SPRING PADUCA SWD BOOSTER | Sampling Condition: | ** (See Notes) |
| Project Number: | 16824 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - RURAL JAL | | |

Sample ID: FL 31 @ 4 (H224951-21)

| BTEx 8260B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.025 | 0.025 | 10/28/2022 | ND | 1.84 | 92.1 | 2.00 | 8.03 | | |
| Toluene* | <0.025 | 0.025 | 10/28/2022 | ND | 1.88 | 94.1 | 2.00 | 6.24 | | |
| Ethylbenzene* | <0.025 | 0.025 | 10/28/2022 | ND | 1.84 | 91.8 | 2.00 | 7.12 | | |
| Total Xylenes* | <0.075 | 0.075 | 10/28/2022 | ND | 5.71 | 95.2 | 6.00 | 7.30 | | |
| Total BTEX | <0.150 | 0.150 | 10/28/2022 | ND | | | | | | |

Surrogate: Dibromofluoromethane 97.0 % 83.7-114
 Surrogate: Toluene-d8 101 % 95.3-107
 Surrogate: 4-Bromofluorobenzene 96.2 % 50.9-150

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 464 | 16.0 | 10/26/2022 | ND | 400 | 100 | 400 | 7.69 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/26/2022 | ND | 231 | 116 | 200 | 0.223 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/26/2022 | ND | 234 | 117 | 200 | 0.202 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/26/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 92.7 % 45.3-161
 Surrogate: 1-Chlorooctadecane 114 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 10/20/2022
 Reported: 10/28/2022
 Project Name: WELL SPRING PADUCA SWD BOOSTER
 Project Number: 16824
 Project Location: MEWBOURNE - RURAL JAL

Sampling Date: 10/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: FL 32 @ 4 (H224951-22)

| BTEx 8260B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.025 | 0.025 | 10/28/2022 | ND | 1.84 | 92.1 | 2.00 | 8.03 | |
| Toluene* | <0.025 | 0.025 | 10/28/2022 | ND | 1.88 | 94.1 | 2.00 | 6.24 | |
| Ethylbenzene* | <0.025 | 0.025 | 10/28/2022 | ND | 1.84 | 91.8 | 2.00 | 7.12 | |
| Total Xylenes* | <0.075 | 0.075 | 10/28/2022 | ND | 5.71 | 95.2 | 6.00 | 7.30 | |
| Total BTEX | <0.150 | 0.150 | 10/28/2022 | ND | | | | | |

Surrogate: Dibromofluoromethane 97.1 % 83.7-114
 Surrogate: Toluene-d8 102 % 95.3-107
 Surrogate: 4-Bromofluorobenzene 96.4 % 50.9-150

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 400 | 16.0 | 10/26/2022 | ND | 400 | 100 | 400 | 7.69 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/26/2022 | ND | 231 | 116 | 200 | 0.223 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/26/2022 | ND | 234 | 117 | 200 | 0.202 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/26/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 101 % 45.3-161
 Surrogate: 1-Chlorooctadecane 123 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 10/20/2022
 Reported: 10/28/2022
 Project Name: WELL SPRING PADUCA SWD BOOSTER
 Project Number: 16824
 Project Location: MEWBOURNE - RURAL JAL

Sampling Date: 10/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: FL 33 @ 4 (H224951-23)

| BTEx 8260B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.025 | 0.025 | 10/28/2022 | ND | 1.84 | 92.1 | 2.00 | 8.03 | |
| Toluene* | <0.025 | 0.025 | 10/28/2022 | ND | 1.88 | 94.1 | 2.00 | 6.24 | |
| Ethylbenzene* | <0.025 | 0.025 | 10/28/2022 | ND | 1.84 | 91.8 | 2.00 | 7.12 | |
| Total Xylenes* | <0.075 | 0.075 | 10/28/2022 | ND | 5.71 | 95.2 | 6.00 | 7.30 | |
| Total BTEX | <0.150 | 0.150 | 10/28/2022 | ND | | | | | |

Surrogate: Dibromofluoromethane 95.9 % 83.7-114
 Surrogate: Toluene-d8 98.2 % 95.3-107
 Surrogate: 4-Bromofluorobenzene 101 % 50.9-150

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 448 | 16.0 | 10/26/2022 | ND | 400 | 100 | 400 | 7.69 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/26/2022 | ND | 231 | 116 | 200 | 0.223 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/26/2022 | ND | 234 | 117 | 200 | 0.202 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/26/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 104 % 45.3-161
 Surrogate: 1-Chlorooctadecane 127 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|-------------|-------------------|--------------|----------------------------|------------|---------|-----|---|---------|------------|------------|---------|-------|------|--|--|--|--|--|--|--|--|--|--|--|--|
| Company Name: Etch Environmental & Safety Solutions | | | | BILL TO | | | | ANALYSIS REQUEST | | | | | | | | | | | | | | | | | | |
| Project Manager: Lance Crenshaw | | | | P.O. #: | | | | <div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div> | | | | | | | | | | | | | | | | | | |
| Address: 2617 West Marland | | | | Company: M&V Down | | | | | | | | | | | | | | | | | | | | | | |
| City: Hobbs State: NM Zip: 88240 | | | | Attn: Cadden Walker | | | | | | | | | | | | | | | | | | | | | | |
| Phone #: (575) 264-9884 Fax #: | | | | Address: 4800 bus park blv | | | | | | | | | | | | | | | | | | | | | | |
| Project #: 16824 Project Owner: M&V Down | | | | City: Hobbs | | | | | | | | | | | | | | | | | | | | | | |
| Project Name: Well Spring Paducah SWD Booster | | | | State: NM Zip: | | | | | | | | | | | | | | | | | | | | | | |
| Project Location: Rural Lea Co | | | | Phone #: | | | | | | | | | | | | | | | | | | | | | | |
| Sampler Name: Deanial Casarez | | | | Fax #: | | | | | | | | | | | | | | | | | | | | | | |
| FOR LAB USE ONLY | | | | MATRIX | | PRESERV | | SAMPLING | | | | | | | | | | | | | | | | | | |
| Lab I.D. | Sample I.D. | (G)RAB OR (C)OMP. | # CONTAINERS | GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER : | ACID/BASE: | ICE / COOL | OTHER : | DATE | TIME | | | | | | | | | | | | |
| H224951 | | | | | | | | | | | | | 10 20 | 411 | | | | | | | | | | | | |
| 1 EW6 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 WWC | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 EW7 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 EW8 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 NW2 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 NW3 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 SW1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 FL22 @4 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 FL23 @4 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 FL24 @4 | | | | | | | | | | | | | | | | | | | | | | | | | | |

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| | | | | |
|--|---------------|--|---|----------------|
| Relinquished By: | Date: 10 20 | Received By: | Phone Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Add'l Phone #: |
| | Time: 4 16 pm | | Fax Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Add'l Fax #: |
| Relinquished By: | Date: | Received By: | REMARKS: | |
| | Time: | | email results | |
| Delivered By: (Circle One) | #113 | Sample Condition | CHECKED BY: (Initials) | |
| Sampler - UPS - Bus - Other: 26.4 c / 25.8 c | | Cool Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | YD | |

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|-------------|-----------------|--------------|-----------------------|------------|---------|-----|---|-------|-----------|------------|-------|-------|------|--|--|--|--|--|--|--|--|--|--|--|--|
| Company Name: Etch Environmental & Safety Solutions | | | | BILL TO | | | | ANALYSIS REQUEST | | | | | | | | | | | | | | | | | | |
| Project Manager: Lance Crenshaw | | | | P.O. #: | | | | <div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div> | | | | | | | | | | | | | | | | | | |
| Address: 2617 West Marland | | | | Company: Mewbourn | | | | | | | | | | | | | | | | | | | | | | |
| City: Hobbs State: NM Zip: 88240 | | | | Attn: Connor Walker | | | | | | | | | | | | | | | | | | | | | | |
| Phone #: (575) 264-9884 Fax #: | | | | Address: 4801 bus HWY | | | | | | | | | | | | | | | | | | | | | | |
| Project #: 16824 Project Owner: Mewbourn | | | | City: Hobbs | | | | | | | | | | | | | | | | | | | | | | |
| Project Name: Wellspring Paduca SWD Booster | | | | State: NM Zip: | | | | | | | | | | | | | | | | | | | | | | |
| Project Location: Rural Lea Co | | | | Phone #: | | | | | | | | | | | | | | | | | | | | | | |
| Sampler Name: Dominic Casarez | | | | Fax #: | | | | | | | | | | | | | | | | | | | | | | |
| FOR LAB USE ONLY | | | | MATRIX | | PRESERV | | SAMPLING | | | | | | | | | | | | | | | | | | |
| Lab I.D. | Sample I.D. | (GRAB OR (COMP. | # CONTAINERS | GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER | ACID/BASE | ICE / COOL | OTHER | DATE | TIME | | | | | | | | | | | | |
| H224951 | | | | | | | | | | | | | 10 20 | 4 18 | | | | | | | | | | | | |
| DC 11 FL 13 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 FL 15 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 FL 18 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 NV 1 B | | | | | | | | | | | | | | | | | | | | | | | | | | |

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| | | | | |
|--|---------------------------|--|---|----------------|
| Relinquished By: | Date: 10/20 Time: 4:16 | Received By: | Phone Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Add'l Phone #: |
| Relinquished By: | Date: | Received By: | Fax Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Add'l Fax #: |
| | | | REMARKS: | |
| | | | email results | |
| Delivered By: (Circle One) | | Sample Condition | CHECKED BY: (Initials) | |
| Sampler - UPS - Bus - Other: 26.4c / 25.8c | | Cool Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | YD | |

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

| | | | | | | | | | | | | | | | | | | | |
|--|--|--|--|--|--------------|-------------|------------|---|-----|----------|-------|---|------------|------|--|----------------|--|-------|--|
| Company Name: Etech Environmental & Safety Solutions | | | | BILL TO | | | | ANALYSIS REQUEST | | | | | | | | | | | |
| Project Manager: <u>Lane Crenshaw</u> | | | | P.O. #: | | | | <div style="display: flex; justify-content: space-around; font-weight: bold;"> Chloride TPH (8015M) BTEX (8021B) </div> | | | | | | | | | | | |
| Address: 2617 West Marland | | | | Company: <u>Mewborn</u> | | | | | | | | | | | | | | | |
| City: Hobbs State: NM Zip: 88240 | | | | Attn: <u>Conner Walker</u> | | | | | | | | | | | | | | | |
| Phone #: (575) 264-9884 Fax #: | | | | Address: <u>4801 Ave Nue Blvd</u> | | | | | | | | | | | | | | | |
| Project #: <u>16824</u> Project Owner: <u>Mawborn</u> | | | | City: <u>Hobbs</u> | | | | | | | | | | | | | | | |
| Project Name: <u>Wellspring Paduca SWD Booster</u> | | | | State: <u>NM</u> Zip: | | | | | | | | | | | | | | | |
| Project Location: <u>Rural Lea Co</u> | | | | Phone #: | | | | | | | | | | | | | | | |
| Sampler Name: <u>Dominic Casarez</u> | | | | Fax #: | | | | | | | | | | | | | | | |
| FOR LAB USE ONLY | | | | | | | | | | | | | | | | | | | |
| Lab I.D. | | Sample I.D. | | GIRAB OR (C)OMP. | # CONTAINERS | MATRIX | | | | PRESERV. | | SAMPLING | | DATE | | TIME | | | |
| | | | | | | GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER | ACID/BASE | ICE / COOL | | | | | OTHER | |
| <u>H224951</u> <u>DC</u> | | <u>15 FL25 @ 4</u> <u>16 FL26 @ 4</u> <u>17 FL27 @ 4</u> <u>18 FL28 @ 4</u> <u>19 FL29 @ 4</u> <u>20 FL30 @ 4</u> <u>21 FL31 @ 4</u> <u>22 FL32 @ 4</u> <u>23 FL33 @ 4</u> | | | | | | | | | | | | | | | | | |
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| Relinquished By: <u>[Signature]</u> | | | | Date: <u>10/20</u> | | | | Received By: <u>[Signature]</u> | | | | Phone Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | | | Add'l Phone #: | | | |
| | | | | Time: <u>4:16pm</u> | | | | | | | | Fax Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | | | Add'l Fax #: | | | |
| Relinquished By: | | | | Date: | | | | Received By: | | | | REMARKS: email results | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| Delivered By: (Circle One) | | | | #13 <u>10/20/22</u> | | | | Sample Condition | | | | CHECKED BY: (Initials) <u>YO</u> | | | | | | | |
| Sampler - UPS - Bus - Other: <u>24.4°C / 25.8°C</u> | | | | | | | | | | | | | | | | | | | |
| | | | | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No | | | | | | | | | | | | | | | |

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



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

October 26, 2022

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: WELL SPRING PADUCA SWD BOOSTER

Enclosed are the results of analyses for samples received by the laboratory on 10/24/22 16:48.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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Analytical Results For:

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

| | | | |
|-------------------|--------------------------------|---------------------|----------------|
| Received: | 10/24/2022 | Sampling Date: | 10/24/2022 |
| Reported: | 10/26/2022 | Sampling Type: | Soil |
| Project Name: | WELL SPRING PADUCA SWD BOOSTER | Sampling Condition: | ** (See Notes) |
| Project Number: | 16824 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - RURAL JAL | | |

Sample ID: EW 10 (H225002-01)

| 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 | 10/25/2022 | ND | 2.19 | 110 | 2.00 | 1.62 | |
| Toluene* | <0.050 | 0.050 | 10/25/2022 | ND | 2.10 | 105 | 2.00 | 0.568 | |
| Ethylbenzene* | <0.050 | 0.050 | 10/25/2022 | ND | 2.06 | 103 | 2.00 | 0.147 | |
| Total Xylenes* | <0.150 | 0.150 | 10/25/2022 | ND | 6.15 | 103 | 6.00 | 0.310 | |
| Total BTX | <0.300 | 0.300 | 10/25/2022 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 89.1 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 16.0 | 16.0 | 10/26/2022 | ND | 416 | 104 | 400 | 3.77 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/25/2022 | ND | 208 | 104 | 200 | 2.29 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/25/2022 | ND | 208 | 104 | 200 | 3.63 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/25/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 100 % 45.3-161

Surrogate: 1-Chlorooctadecane 112 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

| | | | |
|-------------------|--------------------------------|---------------------|----------------|
| Received: | 10/24/2022 | Sampling Date: | 10/24/2022 |
| Reported: | 10/26/2022 | Sampling Type: | Soil |
| Project Name: | WELL SPRING PADUCA SWD BOOSTER | Sampling Condition: | ** (See Notes) |
| Project Number: | 16824 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - RURAL JAL | | |

Sample ID: FL 52 @ 2 (H225002-02)

| 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 | 10/25/2022 | ND | 2.19 | 110 | 2.00 | 1.62 | | |
| Toluene* | <0.050 | 0.050 | 10/25/2022 | ND | 2.10 | 105 | 2.00 | 0.568 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/25/2022 | ND | 2.06 | 103 | 2.00 | 0.147 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/25/2022 | ND | 6.15 | 103 | 6.00 | 0.310 | | |
| Total BTEx | <0.300 | 0.300 | 10/25/2022 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 88.3 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 16.0 | 16.0 | 10/26/2022 | ND | 416 | 104 | 400 | 3.77 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/25/2022 | ND | 208 | 104 | 200 | 2.29 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/25/2022 | ND | 208 | 104 | 200 | 3.63 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/25/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 103 % 45.3-161

Surrogate: 1-Chlorooctadecane 116 % 46.3-178

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Analytical Results For:

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

Received: 10/24/2022
 Reported: 10/26/2022
 Project Name: WELL SPRING PADUCA SWD BOOSTER
 Project Number: 16824
 Project Location: MEWBOURNE - RURAL JAL

Sampling Date: 10/24/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: FL 46 @ 4 (H225002-03)

| 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 | 10/25/2022 | ND | 2.19 | 110 | 2.00 | 1.62 | | |
| Toluene* | <0.050 | 0.050 | 10/25/2022 | ND | 2.10 | 105 | 2.00 | 0.568 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/25/2022 | ND | 2.06 | 103 | 2.00 | 0.147 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/25/2022 | ND | 6.15 | 103 | 6.00 | 0.310 | | |
| Total BTEx | <0.300 | 0.300 | 10/25/2022 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 94.1 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 1260 | 16.0 | 10/26/2022 | ND | 416 | 104 | 400 | 3.77 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/25/2022 | ND | 208 | 104 | 200 | 2.29 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/25/2022 | ND | 208 | 104 | 200 | 3.63 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/25/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 96.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 107 % 46.3-178

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Analytical Results For:

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

| | | | |
|-------------------|--------------------------------|---------------------|----------------|
| Received: | 10/24/2022 | Sampling Date: | 10/24/2022 |
| Reported: | 10/26/2022 | Sampling Type: | Soil |
| Project Name: | WELL SPRING PADUCA SWD BOOSTER | Sampling Condition: | ** (See Notes) |
| Project Number: | 16824 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - RURAL JAL | | |

Sample ID: FL 49 @ 2 (H225002-04)

| 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 | 10/25/2022 | ND | 2.19 | 110 | 2.00 | 1.62 | | |
| Toluene* | <0.050 | 0.050 | 10/25/2022 | ND | 2.10 | 105 | 2.00 | 0.568 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/25/2022 | ND | 2.06 | 103 | 2.00 | 0.147 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/25/2022 | ND | 6.15 | 103 | 6.00 | 0.310 | | |
| Total BTEx | <0.300 | 0.300 | 10/25/2022 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 94.3 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 16.0 | 16.0 | 10/26/2022 | ND | 416 | 104 | 400 | 3.77 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/25/2022 | ND | 208 | 104 | 200 | 2.29 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/25/2022 | ND | 208 | 104 | 200 | 3.63 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/25/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 100 % 45.3-161

Surrogate: 1-Chlorooctadecane 111 % 46.3-178

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Analytical Results For:

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

| | | | |
|-------------------|--------------------------------|---------------------|----------------|
| Received: | 10/24/2022 | Sampling Date: | 10/24/2022 |
| Reported: | 10/26/2022 | Sampling Type: | Soil |
| Project Name: | WELL SPRING PADUCA SWD BOOSTER | Sampling Condition: | ** (See Notes) |
| Project Number: | 16824 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - RURAL JAL | | |

Sample ID: NW 4 (H225002-05)

| 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 | 10/25/2022 | ND | 2.19 | 110 | 2.00 | 1.62 | | |
| Toluene* | <0.050 | 0.050 | 10/25/2022 | ND | 2.10 | 105 | 2.00 | 0.568 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/25/2022 | ND | 2.06 | 103 | 2.00 | 0.147 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/25/2022 | ND | 6.15 | 103 | 6.00 | 0.310 | | |
| Total BTEx | <0.300 | 0.300 | 10/25/2022 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 93.7 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 16.0 | 16.0 | 10/26/2022 | ND | 416 | 104 | 400 | 3.77 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/25/2022 | ND | 208 | 104 | 200 | 2.29 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/25/2022 | ND | 208 | 104 | 200 | 3.63 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/25/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 102 % 45.3-161

Surrogate: 1-Chlorooctadecane 113 % 46.3-178

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Analytical Results For:

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

Received: 10/24/2022
 Reported: 10/26/2022
 Project Name: WELL SPRING PADUCA SWD BOOSTER
 Project Number: 16824
 Project Location: MEWBOURNE - RURAL JAL

Sampling Date: 10/24/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: FL 48 @ 4 (H225002-06)

| 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 | 10/25/2022 | ND | 2.19 | 110 | 2.00 | 1.62 | | |
| Toluene* | <0.050 | 0.050 | 10/25/2022 | ND | 2.10 | 105 | 2.00 | 0.568 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/25/2022 | ND | 2.06 | 103 | 2.00 | 0.147 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/25/2022 | ND | 6.15 | 103 | 6.00 | 0.310 | | |
| Total BTEX | <0.300 | 0.300 | 10/25/2022 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 92.8 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1410 | 16.0 | 10/26/2022 | ND | 416 | 104 | 400 | 3.77 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/25/2022 | ND | 208 | 104 | 200 | 2.29 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/25/2022 | ND | 208 | 104 | 200 | 3.63 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/25/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 92.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 108 % 46.3-178

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Analytical Results For:

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

Received: 10/24/2022
 Reported: 10/26/2022
 Project Name: WELL SPRING PADUCA SWD BOOSTER
 Project Number: 16824
 Project Location: MEWBOURNE - RURAL JAL

Sampling Date: 10/24/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: FL 47 @ 4 (H225002-07)

| 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 | 10/25/2022 | ND | 2.19 | 110 | 2.00 | 1.62 | | |
| Toluene* | <0.050 | 0.050 | 10/25/2022 | ND | 2.10 | 105 | 2.00 | 0.568 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/25/2022 | ND | 2.06 | 103 | 2.00 | 0.147 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/25/2022 | ND | 6.15 | 103 | 6.00 | 0.310 | | |
| Total BTEx | <0.300 | 0.300 | 10/25/2022 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 91.8 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 1120 | 16.0 | 10/26/2022 | ND | 416 | 104 | 400 | 3.77 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/25/2022 | ND | 208 | 104 | 200 | 2.29 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/25/2022 | ND | 208 | 104 | 200 | 3.63 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/25/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 101 % 45.3-161

Surrogate: 1-Chlorooctadecane 118 % 46.3-178

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Analytical Results For:

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

| | | | |
|-------------------|--------------------------------|---------------------|----------------|
| Received: | 10/24/2022 | Sampling Date: | 10/24/2022 |
| Reported: | 10/26/2022 | Sampling Type: | Soil |
| Project Name: | WELL SPRING PADUCA SWD BOOSTER | Sampling Condition: | ** (See Notes) |
| Project Number: | 16824 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - RURAL JAL | | |

Sample ID: SW 2 (H225002-08)

| 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 | 10/25/2022 | ND | 2.19 | 110 | 2.00 | 1.62 | |
| Toluene* | <0.050 | 0.050 | 10/25/2022 | ND | 2.10 | 105 | 2.00 | 0.568 | |
| Ethylbenzene* | <0.050 | 0.050 | 10/25/2022 | ND | 2.06 | 103 | 2.00 | 0.147 | |
| Total Xylenes* | <0.150 | 0.150 | 10/25/2022 | ND | 6.15 | 103 | 6.00 | 0.310 | |
| Total BTEx | <0.300 | 0.300 | 10/25/2022 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 92.4 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 176 | 16.0 | 10/26/2022 | ND | 416 | 104 | 400 | 3.77 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/25/2022 | ND | 208 | 104 | 200 | 2.29 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/25/2022 | ND | 208 | 104 | 200 | 3.63 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/25/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 96.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 114 % 46.3-178

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Analytical Results For:

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

Received: 10/24/2022
 Reported: 10/26/2022
 Project Name: WELL SPRING PADUCA SWD BOOSTER
 Project Number: 16824
 Project Location: MEWBOURNE - RURAL JAL

Sampling Date: 10/24/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: EW 9 (H225002-09)

| 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 | 10/25/2022 | ND | 2.19 | 110 | 2.00 | 1.62 | | |
| Toluene* | <0.050 | 0.050 | 10/25/2022 | ND | 2.10 | 105 | 2.00 | 0.568 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/25/2022 | ND | 2.06 | 103 | 2.00 | 0.147 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/25/2022 | ND | 6.15 | 103 | 6.00 | 0.310 | | |
| Total BTEX | <0.300 | 0.300 | 10/25/2022 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 93.6 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 336 | 16.0 | 10/26/2022 | ND | 416 | 104 | 400 | 3.77 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/25/2022 | ND | 208 | 104 | 200 | 2.29 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/25/2022 | ND | 208 | 104 | 200 | 3.63 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/25/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 107 % 45.3-161

Surrogate: 1-Chlorooctadecane 128 % 46.3-178

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Analytical Results For:

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

Received: 10/24/2022
 Reported: 10/26/2022
 Project Name: WELL SPRING PADUCA SWD BOOSTER
 Project Number: 16824
 Project Location: MEWBOURNE - RURAL JAL

Sampling Date: 10/24/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: FL 37 @ 4 (H225002-10)

| BTEx 8021B | | mg/kg | | Analyzed By: JH | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 10/25/2022 | ND | 2.19 | 110 | 2.00 | 1.62 | |
| Toluene* | <0.050 | 0.050 | 10/25/2022 | ND | 2.10 | 105 | 2.00 | 0.568 | |
| Ethylbenzene* | <0.050 | 0.050 | 10/25/2022 | ND | 2.06 | 103 | 2.00 | 0.147 | |
| Total Xylenes* | <0.150 | 0.150 | 10/25/2022 | ND | 6.15 | 103 | 6.00 | 0.310 | |
| Total BTEx | <0.300 | 0.300 | 10/25/2022 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 92.1 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 672 | 16.0 | 10/26/2022 | ND | 416 | 104 | 400 | 3.77 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/25/2022 | ND | 208 | 104 | 200 | 2.29 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/25/2022 | ND | 208 | 104 | 200 | 3.63 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/25/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 95.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 112 % 46.3-178

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Analytical Results For:

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

Received: 10/24/2022
 Reported: 10/26/2022
 Project Name: WELL SPRING PADUCA SWD BOOSTER
 Project Number: 16824
 Project Location: MEWBOURNE - RURAL JAL

Sampling Date: 10/24/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: FL 41 @ 4 (H225002-11)

| 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 | 10/25/2022 | ND | 2.19 | 110 | 2.00 | 1.62 | |
| Toluene* | <0.050 | 0.050 | 10/25/2022 | ND | 2.10 | 105 | 2.00 | 0.568 | |
| Ethylbenzene* | <0.050 | 0.050 | 10/25/2022 | ND | 2.06 | 103 | 2.00 | 0.147 | |
| Total Xylenes* | <0.150 | 0.150 | 10/25/2022 | ND | 6.15 | 103 | 6.00 | 0.310 | |
| Total BTEx | <0.300 | 0.300 | 10/25/2022 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 92.2 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 544 | 16.0 | 10/26/2022 | ND | 416 | 104 | 400 | 3.77 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/25/2022 | ND | 208 | 104 | 200 | 2.29 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/25/2022 | ND | 208 | 104 | 200 | 3.63 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/25/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 98.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 118 % 46.3-178

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 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

| | | | |
|-------------------|--------------------------------|---------------------|----------------|
| Received: | 10/24/2022 | Sampling Date: | 10/24/2022 |
| Reported: | 10/26/2022 | Sampling Type: | Soil |
| Project Name: | WELL SPRING PADUCA SWD BOOSTER | Sampling Condition: | ** (See Notes) |
| Project Number: | 16824 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - RURAL JAL | | |

Sample ID: FL 40 @ 4 (H225002-12)

| BTEx 8021B | | mg/kg | | Analyzed By: JH | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 10/25/2022 | ND | 2.19 | 110 | 2.00 | 1.62 | |
| Toluene* | <0.050 | 0.050 | 10/25/2022 | ND | 2.10 | 105 | 2.00 | 0.568 | |
| Ethylbenzene* | <0.050 | 0.050 | 10/25/2022 | ND | 2.06 | 103 | 2.00 | 0.147 | |
| Total Xylenes* | <0.150 | 0.150 | 10/25/2022 | ND | 6.15 | 103 | 6.00 | 0.310 | |
| Total BTEx | <0.300 | 0.300 | 10/25/2022 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 93.9 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 480 | 16.0 | 10/26/2022 | ND | 416 | 104 | 400 | 3.77 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/25/2022 | ND | 208 | 104 | 200 | 2.29 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/25/2022 | ND | 208 | 104 | 200 | 3.63 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/25/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 98.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 117 % 46.3-178

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Analytical Results For:

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

Received: 10/24/2022
 Reported: 10/26/2022
 Project Name: WELL SPRING PADUCA SWD BOOSTER
 Project Number: 16824
 Project Location: MEWBOURNE - RURAL JAL

Sampling Date: 10/24/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: FL 38 @ 4 (H225002-13)

| BTEx 8021B | | mg/kg | | Analyzed By: JH | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 10/25/2022 | ND | 2.19 | 110 | 2.00 | 1.62 | | |
| Toluene* | <0.050 | 0.050 | 10/25/2022 | ND | 2.10 | 105 | 2.00 | 0.568 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/25/2022 | ND | 2.06 | 103 | 2.00 | 0.147 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/25/2022 | ND | 6.15 | 103 | 6.00 | 0.310 | | |
| Total BTEx | <0.300 | 0.300 | 10/25/2022 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 92.5 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 704 | 16.0 | 10/26/2022 | ND | 416 | 104 | 400 | 3.77 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/25/2022 | ND | 208 | 104 | 200 | 2.29 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/25/2022 | ND | 208 | 104 | 200 | 3.63 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/25/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 81.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 95.5 % 46.3-178

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Analytical Results For:

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

| | | | |
|-------------------|--------------------------------|---------------------|----------------|
| Received: | 10/24/2022 | Sampling Date: | 10/24/2022 |
| Reported: | 10/26/2022 | Sampling Type: | Soil |
| Project Name: | WELL SPRING PADUCA SWD BOOSTER | Sampling Condition: | ** (See Notes) |
| Project Number: | 16824 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - RURAL JAL | | |

Sample ID: EW 11 (H225002-14)

| 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 | 10/25/2022 | ND | 2.19 | 110 | 2.00 | 1.62 | | |
| Toluene* | <0.050 | 0.050 | 10/25/2022 | ND | 2.10 | 105 | 2.00 | 0.568 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/25/2022 | ND | 2.06 | 103 | 2.00 | 0.147 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/25/2022 | ND | 6.15 | 103 | 6.00 | 0.310 | | |
| Total BTEX | <0.300 | 0.300 | 10/25/2022 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 93.3 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 16.0 | 16.0 | 10/26/2022 | ND | 416 | 104 | 400 | 3.77 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/25/2022 | ND | 208 | 104 | 200 | 2.29 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/25/2022 | ND | 208 | 104 | 200 | 3.63 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/25/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 97.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 116 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 10/24/2022
 Reported: 10/26/2022
 Project Name: WELL SPRING PADUCA SWD BOOSTER
 Project Number: 16824
 Project Location: MEWBOURNE - RURAL JAL

Sampling Date: 10/24/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: FL 42 @ 4 (H225002-15)

| 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 | 10/25/2022 | ND | 2.19 | 110 | 2.00 | 1.62 | |
| Toluene* | <0.050 | 0.050 | 10/25/2022 | ND | 2.10 | 105 | 2.00 | 0.568 | |
| Ethylbenzene* | <0.050 | 0.050 | 10/25/2022 | ND | 2.06 | 103 | 2.00 | 0.147 | |
| Total Xylenes* | <0.150 | 0.150 | 10/25/2022 | ND | 6.15 | 103 | 6.00 | 0.310 | |
| Total BTX | <0.300 | 0.300 | 10/25/2022 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 92.2 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 912 | 16.0 | 10/26/2022 | ND | 416 | 104 | 400 | 3.77 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/26/2022 | ND | 208 | 104 | 200 | 2.29 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/26/2022 | ND | 208 | 104 | 200 | 3.63 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/26/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 96.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 112 % 46.3-178

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Analytical Results For:

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

Received: 10/24/2022
 Reported: 10/26/2022
 Project Name: WELL SPRING PADUCA SWD BOOSTER
 Project Number: 16824
 Project Location: MEWBOURNE - RURAL JAL

Sampling Date: 10/24/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: FL 51 @ 2 (H225002-16)

| 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 | 10/25/2022 | ND | 2.19 | 110 | 2.00 | 1.62 | | |
| Toluene* | <0.050 | 0.050 | 10/25/2022 | ND | 2.10 | 105 | 2.00 | 0.568 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/25/2022 | ND | 2.06 | 103 | 2.00 | 0.147 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/25/2022 | ND | 6.15 | 103 | 6.00 | 0.310 | | |
| Total BTEx | <0.300 | 0.300 | 10/25/2022 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 91.6 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 32.0 | 16.0 | 10/26/2022 | ND | 416 | 104 | 400 | 3.77 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/26/2022 | ND | 208 | 104 | 200 | 2.29 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/26/2022 | ND | 208 | 104 | 200 | 3.63 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/26/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 96.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 114 % 46.3-178

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Analytical Results For:

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

| | | | |
|-------------------|--------------------------------|---------------------|----------------|
| Received: | 10/24/2022 | Sampling Date: | 10/24/2022 |
| Reported: | 10/26/2022 | Sampling Type: | Soil |
| Project Name: | WELL SPRING PADUCA SWD BOOSTER | Sampling Condition: | ** (See Notes) |
| Project Number: | 16824 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - RURAL JAL | | |

Sample ID: FL 34 @ 4 (H225002-17)

| 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 | 10/25/2022 | ND | 2.19 | 110 | 2.00 | 1.62 | | |
| Toluene* | <0.050 | 0.050 | 10/25/2022 | ND | 2.10 | 105 | 2.00 | 0.568 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/25/2022 | ND | 2.06 | 103 | 2.00 | 0.147 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/25/2022 | ND | 6.15 | 103 | 6.00 | 0.310 | | |
| Total BTEx | <0.300 | 0.300 | 10/25/2022 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 93.1 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 672 | 16.0 | 10/26/2022 | ND | 416 | 104 | 400 | 3.77 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/26/2022 | ND | 208 | 104 | 200 | 2.29 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/26/2022 | ND | 208 | 104 | 200 | 3.63 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/26/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 103 % 45.3-161

Surrogate: 1-Chlorooctadecane 116 % 46.3-178

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Analytical Results For:

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

Received: 10/24/2022
 Reported: 10/26/2022
 Project Name: WELL SPRING PADUCA SWD BOOSTER
 Project Number: 16824
 Project Location: MEWBOURNE - RURAL JAL

Sampling Date: 10/24/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: FL 53 @ 2 (H225002-18)

| BTEx 8021B | | mg/kg | | Analyzed By: JH | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 10/25/2022 | ND | 2.19 | 110 | 2.00 | 1.62 | |
| Toluene* | <0.050 | 0.050 | 10/25/2022 | ND | 2.10 | 105 | 2.00 | 0.568 | |
| Ethylbenzene* | <0.050 | 0.050 | 10/25/2022 | ND | 2.06 | 103 | 2.00 | 0.147 | |
| Total Xylenes* | <0.150 | 0.150 | 10/25/2022 | ND | 6.15 | 103 | 6.00 | 0.310 | |
| Total BTEx | <0.300 | 0.300 | 10/25/2022 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 93.3 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 16.0 | 16.0 | 10/26/2022 | ND | 416 | 104 | 400 | 3.77 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/26/2022 | ND | 208 | 104 | 200 | 2.29 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/26/2022 | ND | 208 | 104 | 200 | 3.63 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/26/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 104 % 45.3-161

Surrogate: 1-Chlorooctadecane 120 % 46.3-178

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Analytical Results For:

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

Received: 10/24/2022
 Reported: 10/26/2022
 Project Name: WELL SPRING PADUCA SWD BOOSTER
 Project Number: 16824
 Project Location: MEWBOURNE - RURAL JAL

Sampling Date: 10/24/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: FL 43 @ 4 (H225002-19)

| BTEx 8021B | | mg/kg | | Analyzed By: JH | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 10/25/2022 | ND | 2.19 | 110 | 2.00 | 1.62 | |
| Toluene* | <0.050 | 0.050 | 10/25/2022 | ND | 2.10 | 105 | 2.00 | 0.568 | |
| Ethylbenzene* | <0.050 | 0.050 | 10/25/2022 | ND | 2.06 | 103 | 2.00 | 0.147 | |
| Total Xylenes* | <0.150 | 0.150 | 10/25/2022 | ND | 6.15 | 103 | 6.00 | 0.310 | |
| Total BTEX | <0.300 | 0.300 | 10/25/2022 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 93.2 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 672 | 16.0 | 10/26/2022 | ND | 416 | 104 | 400 | 3.77 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/26/2022 | ND | 208 | 104 | 200 | 2.29 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/26/2022 | ND | 208 | 104 | 200 | 3.63 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/26/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 95.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 108 % 46.3-178

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Analytical Results For:

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

Received: 10/24/2022
 Reported: 10/26/2022
 Project Name: WELL SPRING PADUCA SWD BOOSTER
 Project Number: 16824
 Project Location: MEWBOURNE - RURAL JAL

Sampling Date: 10/24/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: FL 44 @ 4 (H225002-20)

| BTEx 8021B | | mg/kg | | Analyzed By: JH | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 10/25/2022 | ND | 2.19 | 110 | 2.00 | 1.62 | |
| Toluene* | <0.050 | 0.050 | 10/25/2022 | ND | 2.10 | 105 | 2.00 | 0.568 | |
| Ethylbenzene* | <0.050 | 0.050 | 10/25/2022 | ND | 2.06 | 103 | 2.00 | 0.147 | |
| Total Xylenes* | <0.150 | 0.150 | 10/25/2022 | ND | 6.15 | 103 | 6.00 | 0.310 | |
| Total BTEx | <0.300 | 0.300 | 10/25/2022 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 92.2 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 672 | 16.0 | 10/26/2022 | ND | 416 | 104 | 400 | 3.77 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/26/2022 | ND | 208 | 104 | 200 | 2.29 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/26/2022 | ND | 208 | 104 | 200 | 3.63 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/26/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 86.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 98.2 % 46.3-178

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Analytical Results For:

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

| | | | |
|-------------------|--------------------------------|---------------------|----------------|
| Received: | 10/24/2022 | Sampling Date: | 10/24/2022 |
| Reported: | 10/26/2022 | Sampling Type: | Soil |
| Project Name: | WELL SPRING PADUCA SWD BOOSTER | Sampling Condition: | ** (See Notes) |
| Project Number: | 16824 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - RURAL JAL | | |

Sample ID: WW 7 (H225002-21)

| BTEx 8021B | | mg/kg | | Analyzed By: JH | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 10/25/2022 | ND | 2.19 | 109 | 2.00 | 0.863 | | |
| Toluene* | <0.050 | 0.050 | 10/25/2022 | ND | 2.11 | 106 | 2.00 | 0.471 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/25/2022 | ND | 2.05 | 103 | 2.00 | 0.739 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/25/2022 | ND | 6.16 | 103 | 6.00 | 0.170 | | |
| Total BTEx | <0.300 | 0.300 | 10/25/2022 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 91.2 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 304 | 16.0 | 10/26/2022 | ND | 416 | 104 | 400 | 3.77 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/25/2022 | ND | 176 | 87.8 | 200 | 0.161 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/25/2022 | ND | 179 | 89.5 | 200 | 2.59 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/25/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 89.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 93.9 % 46.3-178

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Analytical Results For:

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

Received: 10/24/2022
 Reported: 10/26/2022
 Project Name: WELL SPRING PADUCA SWD BOOSTER
 Project Number: 16824
 Project Location: MEWBOURNE - RURAL JAL

Sampling Date: 10/24/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: FL 45 @ 4 (H225002-22)

| BTEX 8021B | | mg/kg | | Analyzed By: JH | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 10/25/2022 | ND | 2.19 | 109 | 2.00 | 0.863 | |
| Toluene* | <0.050 | 0.050 | 10/25/2022 | ND | 2.11 | 106 | 2.00 | 0.471 | |
| Ethylbenzene* | <0.050 | 0.050 | 10/25/2022 | ND | 2.05 | 103 | 2.00 | 0.739 | |
| Total Xylenes* | <0.150 | 0.150 | 10/25/2022 | ND | 6.16 | 103 | 6.00 | 0.170 | |
| Total BTEX | <0.300 | 0.300 | 10/25/2022 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 91.9 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 32.0 | 16.0 | 10/26/2022 | ND | 416 | 104 | 400 | 3.77 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/25/2022 | ND | 176 | 87.8 | 200 | 0.161 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/25/2022 | ND | 179 | 89.5 | 200 | 2.59 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/25/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 89.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 96.9 % 46.3-178

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 10/24/2022
 Reported: 10/26/2022
 Project Name: WELL SPRING PADUCA SWD BOOSTER
 Project Number: 16824
 Project Location: MEWBOURNE - RURAL JAL

Sampling Date: 10/24/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: FL 50 @ 4 (H225002-23)

| BTEx 8021B | | mg/kg | | Analyzed By: JH | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 10/25/2022 | ND | 2.19 | 109 | 2.00 | 0.863 | |
| Toluene* | <0.050 | 0.050 | 10/25/2022 | ND | 2.11 | 106 | 2.00 | 0.471 | |
| Ethylbenzene* | <0.050 | 0.050 | 10/25/2022 | ND | 2.05 | 103 | 2.00 | 0.739 | |
| Total Xylenes* | <0.150 | 0.150 | 10/25/2022 | ND | 6.16 | 103 | 6.00 | 0.170 | |
| Total BTEX | <0.300 | 0.300 | 10/25/2022 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 92.4 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 16.0 | 16.0 | 10/26/2022 | ND | 416 | 104 | 400 | 3.77 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/25/2022 | ND | 176 | 87.8 | 200 | 0.161 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/25/2022 | ND | 179 | 89.5 | 200 | 2.59 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/25/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 86.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 93.8 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/24/2022
 Reported: 10/26/2022
 Project Name: WELL SPRING PADUCA SWD BOOSTER
 Project Number: 16824
 Project Location: MEWBOURNE - RURAL JAL

Sampling Date: 10/24/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: FL 39 @ 4 (H225002-24)

| 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 | 10/25/2022 | ND | 2.19 | 109 | 2.00 | 0.863 | |
| Toluene* | <0.050 | 0.050 | 10/25/2022 | ND | 2.11 | 106 | 2.00 | 0.471 | |
| Ethylbenzene* | <0.050 | 0.050 | 10/25/2022 | ND | 2.05 | 103 | 2.00 | 0.739 | |
| Total Xylenes* | <0.150 | 0.150 | 10/25/2022 | ND | 6.16 | 103 | 6.00 | 0.170 | |
| Total BTEx | <0.300 | 0.300 | 10/25/2022 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 91.6 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 176 | 16.0 | 10/26/2022 | ND | 416 | 104 | 400 | 3.77 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/25/2022 | ND | 176 | 87.8 | 200 | 0.161 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/25/2022 | ND | 179 | 89.5 | 200 | 2.59 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/25/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 80.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 86.7 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/24/2022
 Reported: 10/26/2022
 Project Name: WELL SPRING PADUCA SWD BOOSTER
 Project Number: 16824
 Project Location: MEWBOURNE - RURAL JAL

Sampling Date: 10/24/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: FL 36 @ 4 (H225002-25)

| BTEx 8021B | | mg/kg | | Analyzed By: JH | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 10/26/2022 | ND | 2.19 | 109 | 2.00 | 0.863 | | |
| Toluene* | <0.050 | 0.050 | 10/26/2022 | ND | 2.11 | 106 | 2.00 | 0.471 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/26/2022 | ND | 2.05 | 103 | 2.00 | 0.739 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/26/2022 | ND | 6.16 | 103 | 6.00 | 0.170 | | |
| Total BTEx | <0.300 | 0.300 | 10/26/2022 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 91.6 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 736 | 16.0 | 10/26/2022 | ND | 416 | 104 | 400 | 3.77 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/25/2022 | ND | 176 | 87.8 | 200 | 0.161 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/25/2022 | ND | 179 | 89.5 | 200 | 2.59 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/25/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 73.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 77.9 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/24/2022
 Reported: 10/26/2022
 Project Name: WELL SPRING PADUCA SWD BOOSTER
 Project Number: 16824
 Project Location: MEWBOURNE - RURAL JAL

Sampling Date: 10/24/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: FL 35 @ 4 (H225002-26)

| BTEX 8021B | | mg/kg | | Analyzed By: JH | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 10/26/2022 | ND | 2.19 | 109 | 2.00 | 0.863 | |
| Toluene* | <0.050 | 0.050 | 10/26/2022 | ND | 2.11 | 106 | 2.00 | 0.471 | |
| Ethylbenzene* | <0.050 | 0.050 | 10/26/2022 | ND | 2.05 | 103 | 2.00 | 0.739 | |
| Total Xylenes* | <0.150 | 0.150 | 10/26/2022 | ND | 6.16 | 103 | 6.00 | 0.170 | |
| Total BTEX | <0.300 | 0.300 | 10/26/2022 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 93.3 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 368 | 16.0 | 10/26/2022 | ND | 416 | 104 | 400 | 3.77 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/25/2022 | ND | 176 | 87.8 | 200 | 0.161 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/25/2022 | ND | 179 | 89.5 | 200 | 2.59 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/25/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 81.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 89.0 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|------------------------------------|--|---|--|--------------|--|-------------|--|------------|--|------|--|--------|--|-------|--|-----------|--|------------|--|-------|--|--------------|--|------|--|
| Company Name: Etch Environmental & Safety Solutions | | BILL TO | | ANALYSIS REQUEST | | | | | | | | | | | | | | | | | | | | | | | |
| Project Manager: <i>Lancaster</i> | | P.O. #: | | <div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div> | | | | | | | | | | | | | | | | | | | | | | | |
| Address: 2617 West Marland | | Company: <i>M4000A</i> | | | | | | | | | | | | | | | | | | | | | | | | | |
| City: Hobbs State: NM Zip: 88240 | | Attn: <i>Pat Walker</i> | | | | | | | | | | | | | | | | | | | | | | | | | |
| Phone #: (575) 264-9884 Fax #: | | Address: <i>4001 Air Park Blvd</i> | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project #: <i>10824</i> Project Owner: <i>Newbourn</i> | | City: <i>Hobbs</i> | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project Name: <i>Well Spring Paduca SWD Booster</i> | | State: <i>NM</i> Zip: | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project Location: <i>Rural Jal</i> | | Phone #: | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sampler Name: <i>Dominic Casarez</i> | | Fax #: | | | | | | | | | | | | | | | | | | | | | | | | | |
| FOR LAB USE ONLY | | | | MATRIX | | PRESERV | | SAMPLING | | | | | | | | | | | | | | | | | | | |
| Lab I.D. <i>H225002</i> | | Sample I.D. | | (GRAB OR C)OMP. | | # CONTAINERS | | GROUNDWATER | | WASTEWATER | | SOIL | | SLUDGE | | OTHER | | ACID/BASE | | ICE / COOL | | OTHER | | DATE | | TIME | |
| <i>DC</i> | | <i>1 EW10</i> | | | | | | | | | | | | | | | | | | | | | | <i>10 24</i> | | | |
| <i>2 FL52@2</i> | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <i>3 FL41@4</i> | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <i>4 FL49@2</i> | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <i>5 NW4</i> | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <i>6 FL48@4</i> | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <i>7 FL47@4</i> | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <i>8 SW2</i> | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <i>9 EW3</i> | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <i>10 FL37@4</i> | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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| | | | | |
|---|--------------------|--|---|----------------|
| Relinquished By: <i>Don Ar</i> | Date: <i>10 24</i> | Received By: <i>Domina</i> | Phone Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Add'l Phone #: |
| | Time: <i>1648</i> | | Fax Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Add'l Fax #: |
| Relinquished By: | Date: | Received By: | REMARKS: | |
| | Time: | | email results | |
| Delivered By: (Circle One) | #113 | Sample Condition | CHECKED BY: (Initials) | |
| Sampler - UPS - Bus - Other: <i>19.4c/18.8c</i> | | Cool <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <i>TO</i> | |

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



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|-------------------|--|------------------------------------|--|-------------|--|---|--|------|--|--------|--|-------|--|-----------|--|------------|--|-------|--|------|--|------|--|
| Company Name: Etech Environmental & Safety Solutions | | | | BILL TO | | | | ANALYSIS REQUEST | | | | | | | | | | | | | | | | | |
| Project Manager: <u>Lanc Crenshaw</u> | | | | P.O. #: | | | | <div style="display: flex; justify-content: space-around;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Chloride</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TPH (8015M)</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">BTEX (8021B)</div> </div> | | | | | | | | | | | | | | | | | |
| Address: 2617 West Marland | | | | Company: <u>Mewbourn</u> | | | | | | | | | | | | | | | | | | | | | |
| City: Hobbs State: NM Zip: 88240 | | | | Attn: <u>Conner Walker</u> | | | | | | | | | | | | | | | | | | | | | |
| Phone #: (575) 264-9884 Fax #: | | | | Address: <u>4801 Bus Park Blvd</u> | | | | | | | | | | | | | | | | | | | | | |
| Project #: <u>16824</u> Project Owner: <u>Mewbourn</u> | | | | City: <u>Hobbs</u> | | | | | | | | | | | | | | | | | | | | | |
| Project Name: <u>Wellspring Paduca SWD Booster</u> | | | | State: <u>NM</u> Zip: | | | | | | | | | | | | | | | | | | | | | |
| Project Location: <u>Rural Jal</u> | | | | Phone #: | | | | | | | | | | | | | | | | | | | | | |
| Sampler Name: <u>Dominic Casaver</u> | | | | Fax #: | | | | | | | | | | | | | | | | | | | | | |
| FOR LAB USE ONLY | | | | MATRIX | | PRESERV. | | SAMPLING | | | | | | | | | | | | | | | | | |
| H225002 Lab I.D. | | Sample I.D. | | | | | | | | | | | | | | | | | | | | | | | |
| | | (G)RAB OR (C)OMP. | | # CONTAINERS | | GROUNDWATER | | WASTEWATER | | SOIL | | SLUDGE | | OTHER | | ACID/BASE | | ICE / COOL | | OTHER | | DATE | | TIME | |
| DC | | 11 | | FL4104 | | | | | | | | | | | | | | | | | | 10 | | 24 | |
| | | 12 | | FL4004 | | | | | | | | | | | | | | | | | | | | | |
| | | 13 | | FL3804 | | | | | | | | | | | | | | | | | | | | | |
| | | 14 | | LW11 | | | | | | | | | | | | | | | | | | | | | |
| | | 15 | | FL4204 | | | | | | | | | | | | | | | | | | | | | |
| | | 16 | | FL5102 | | | | | | | | | | | | | | | | | | | | | |
| | | 17 | | FL3404 | | | | | | | | | | | | | | | | | | | | | |
| | | 18 | | FL5302 | | | | | | | | | | | | | | | | | | | | | |
| | | 19 | | FL4304 | | | | | | | | | | | | | | | | | | | | | |
| | | 20 | | FL4404 | | | | | | | | | | | | | | | | | | | | | |

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| | | | | | | | | | |
|---|--|--------------------|--|--|--|---|--|----------------|--|
| Relinquished By: <u>[Signature]</u> | | Date: <u>10/24</u> | | Received By: <u>[Signature]</u> | | Phone Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | Add'l Phone #: | |
| Relinquished By: | | Time: <u>1648</u> | | Received By: | | Fax Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | Add'l Fax #: | |
| Delivered By: (Circle One) | | Date: | | Sample Condition | | CHECKED BY: (Initials) | | REMARKS: | |
| Sampler - UPS - Bus - Other: <u>19.4°C/18.8°C</u> | | Time: | | #113 Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | email results | | BUSH! | |

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

**ARDINAL LABORATORIES**

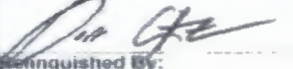
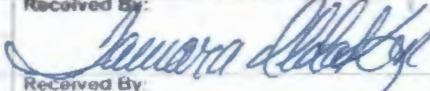
101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603
(505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325) 673-7020

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

| | | | | | | | | | | | | | | | | | |
|--|--|--|--|------------------------------|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|
| Company Name: Etch Environmental & Safety Solutions | | | | BILL TO | | | | | | ANALYSIS REQUEST | | | | | | | |
| Project Manager: Lance Crumshaw | | | | P.O.#: | | | | | | | | | | | | | |
| Address: 2617 West Marland | | | | Company: Merbourn | | | | | | | | | | | | | |
| City: Hobbs State: NM Zip: 88240 | | | | Attn: Corrie Walker | | | | | | | | | | | | | |
| Phone #: (575) 264-9884 Fax #: | | | | Address: 9M Park Blvd | | | | | | | | | | | | | |
| Project #: 16824 Project Owner: Merbourn | | | | City: Hobbs | | | | | | | | | | | | | |
| Project Name: Well Springs Paduca SWD Booster | | | | State: NM Zip: | | | | | | | | | | | | | |
| Project Location: Rural Jal | | | | Phone #: | | | | | | | | | | | | | |
| Sampler Name: Dominic Casarez | | | | Fax #: | | | | | | | | | | | | | |

| FOR LAB USE ONLY | | | | MATRIX | PRESERV | SAMPLING | | | | | | | | | |
|------------------|-------------|-----------------|---------------|-------------|-----------|----------|--------|-------|-----------|----------|-------|-------|------|--|--|
| Lab I.D. | Sample I.D. | ICIRAE OR ICIMP | IN CONTAINERS | GROUNDWATER | WET WATER | SOIL | SLUDGE | OTHER | ACID/BASE | ICE COOL | OTHER | DATE | TIME | | |
| H225002 | | | | | | | | | | | | | | | |
| DL | FLUS | | | | | | | | | | | 10/24 | | | |
| 21 | LW7 | | | | | | | | | | | | | | |
| 22 | FL45 @ 4 | | | | | | | | | | | | | | |
| 23 | FL45 @ 4 | | | | | | | | | | | | | | |
| 24 | FL51 @ 2 | | | | | | | | | | | | | | |
| 25 | FL39 @ 4 | | | | | | | | | | | | | | |
| 26 | FL36 @ 4 | | | | | | | | | | | | | | |
| 27 | FL35 @ 4 | | | | | | | | | | | | | | |

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| | | | | | |
|--|--|-------------------------------------|--|--|-----------------------|
| Relinquished By:  | | Date: 10/24 | Received By:  | Phone Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Add'l Phone #: |
| Relinquished By: | | Time: 16:48 | Received By: | Fax Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Add'l Fax #: |
| Delivered By: (Circle One) Sampler - UPS Bus Other | | #13 | Sample Condition: Good Dirty <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | CHECKED BY: (Initials) TO- | |
| | | Temperature: 19.4°C / 18.8°C | REMARKS: email results | | |

Dush!



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

October 26, 2022

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: WELL SPRING PADUCA SWD BOOSTER

Enclosed are the results of analyses for samples received by the laboratory on 10/25/22 16:30.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

| | | | |
|-------------------|--------------------------------|---------------------|----------------|
| Received: | 10/25/2022 | Sampling Date: | 10/25/2022 |
| Reported: | 10/26/2022 | Sampling Type: | Soil |
| Project Name: | WELL SPRING PADUCA SWD BOOSTER | Sampling Condition: | ** (See Notes) |
| Project Number: | 16824 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - RURAL JAL | | |

Sample ID: FL 54 @ 2 (H225024-01)

| 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 | 10/26/2022 | ND | 2.27 | 113 | 2.00 | 4.69 | |
| Toluene* | <0.050 | 0.050 | 10/26/2022 | ND | 2.12 | 106 | 2.00 | 3.50 | |
| Ethylbenzene* | <0.050 | 0.050 | 10/26/2022 | ND | 2.07 | 103 | 2.00 | 2.76 | |
| Total Xylenes* | <0.150 | 0.150 | 10/26/2022 | ND | 6.16 | 103 | 6.00 | 2.86 | |
| Total BTX | <0.300 | 0.300 | 10/26/2022 | ND | | | | | |

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

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 368 | 16.0 | 10/26/2022 | ND | 432 | 108 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/26/2022 | ND | 231 | 116 | 200 | 0.223 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/26/2022 | ND | 234 | 117 | 200 | 0.202 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/26/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 87.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 106 % 46.3-178

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 10/25/2022
 Reported: 10/26/2022
 Project Name: WELL SPRING PADUCA SWD BOOSTER
 Project Number: 16824
 Project Location: MEWBOURNE - RURAL JAL

Sampling Date: 10/25/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: FL 55 @ 2 (H225024-02)

| 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 | 10/26/2022 | ND | 2.27 | 113 | 2.00 | 4.69 | | |
| Toluene* | <0.050 | 0.050 | 10/26/2022 | ND | 2.12 | 106 | 2.00 | 3.50 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/26/2022 | ND | 2.07 | 103 | 2.00 | 2.76 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/26/2022 | ND | 6.16 | 103 | 6.00 | 2.86 | | |
| Total BTX | <0.300 | 0.300 | 10/26/2022 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 92.6 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 32.0 | 16.0 | 10/26/2022 | ND | 432 | 108 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/26/2022 | ND | 231 | 116 | 200 | 0.223 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/26/2022 | ND | 234 | 117 | 200 | 0.202 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/26/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 89.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 110 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/25/2022
 Reported: 10/26/2022
 Project Name: WELL SPRING PADUCA SWD BOOSTER
 Project Number: 16824
 Project Location: MEWBOURNE - RURAL JAL

Sampling Date: 10/25/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: FL 56 @ 2 (H225024-03)

| BTX 8021B | | mg/kg | | Analyzed By: JH | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 10/26/2022 | ND | 2.27 | 113 | 2.00 | 4.69 | | |
| Toluene* | <0.050 | 0.050 | 10/26/2022 | ND | 2.12 | 106 | 2.00 | 3.50 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/26/2022 | ND | 2.07 | 103 | 2.00 | 2.76 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/26/2022 | ND | 6.16 | 103 | 6.00 | 2.86 | | |
| Total BTX | <0.300 | 0.300 | 10/26/2022 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 92.6 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 16.0 | 16.0 | 10/26/2022 | ND | 432 | 108 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/26/2022 | ND | 231 | 116 | 200 | 0.223 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/26/2022 | ND | 234 | 117 | 200 | 0.202 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/26/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 88.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 109 % 46.3-178

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

Analytical Results For:

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

| | | | |
|-------------------|--------------------------------|---------------------|----------------|
| Received: | 10/25/2022 | Sampling Date: | 10/25/2022 |
| Reported: | 10/26/2022 | Sampling Type: | Soil |
| Project Name: | WELL SPRING PADUCA SWD BOOSTER | Sampling Condition: | ** (See Notes) |
| Project Number: | 16824 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - RURAL JAL | | |

Sample ID: FL 57 @ 2 (H225024-04)

| BTX 8021B | | mg/kg | | Analyzed By: JH | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 10/26/2022 | ND | 2.27 | 113 | 2.00 | 4.69 | | |
| Toluene* | <0.050 | 0.050 | 10/26/2022 | ND | 2.12 | 106 | 2.00 | 3.50 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/26/2022 | ND | 2.07 | 103 | 2.00 | 2.76 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/26/2022 | ND | 6.16 | 103 | 6.00 | 2.86 | | |
| Total BTX | <0.300 | 0.300 | 10/26/2022 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 93.7 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 352 | 16.0 | 10/26/2022 | ND | 432 | 108 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/26/2022 | ND | 231 | 116 | 200 | 0.223 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/26/2022 | ND | 234 | 117 | 200 | 0.202 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/26/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 88.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 108 % 46.3-178

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

| | | | |
|-------------------|--------------------------------|---------------------|----------------|
| Received: | 10/25/2022 | Sampling Date: | 10/25/2022 |
| Reported: | 10/26/2022 | Sampling Type: | Soil |
| Project Name: | WELL SPRING PADUCA SWD BOOSTER | Sampling Condition: | ** (See Notes) |
| Project Number: | 16824 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - RURAL JAL | | |

Sample ID: FL 58 @ 2 (H225024-05)

| 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 | 10/26/2022 | ND | 2.27 | 113 | 2.00 | 4.69 | | |
| Toluene* | <0.050 | 0.050 | 10/26/2022 | ND | 2.12 | 106 | 2.00 | 3.50 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/26/2022 | ND | 2.07 | 103 | 2.00 | 2.76 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/26/2022 | ND | 6.16 | 103 | 6.00 | 2.86 | | |
| Total BTX | <0.300 | 0.300 | 10/26/2022 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 93.8 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 336 | 16.0 | 10/26/2022 | ND | 432 | 108 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/26/2022 | ND | 231 | 116 | 200 | 0.223 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/26/2022 | ND | 234 | 117 | 200 | 0.202 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/26/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 91.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 111 % 46.3-178

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/25/2022
 Reported: 10/26/2022
 Project Name: WELL SPRING PADUCA SWD BOOSTER
 Project Number: 16824
 Project Location: MEWBOURNE - RURAL JAL

Sampling Date: 10/25/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: FL 59 @ 2 (H225024-06)

| 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 | 10/26/2022 | ND | 2.27 | 113 | 2.00 | 4.69 | | |
| Toluene* | <0.050 | 0.050 | 10/26/2022 | ND | 2.12 | 106 | 2.00 | 3.50 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/26/2022 | ND | 2.07 | 103 | 2.00 | 2.76 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/26/2022 | ND | 6.16 | 103 | 6.00 | 2.86 | | |
| Total BTEX | <0.300 | 0.300 | 10/26/2022 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 91.5 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 32.0 | 16.0 | 10/26/2022 | ND | 432 | 108 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/26/2022 | ND | 231 | 116 | 200 | 0.223 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/26/2022 | ND | 234 | 117 | 200 | 0.202 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/26/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 94.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 116 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/25/2022
 Reported: 10/26/2022
 Project Name: WELL SPRING PADUCA SWD BOOSTER
 Project Number: 16824
 Project Location: MEWBOURNE - RURAL JAL

Sampling Date: 10/25/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: FL 60 @ 2 (H225024-07)

| 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 | 10/26/2022 | ND | 2.27 | 113 | 2.00 | 4.69 | | |
| Toluene* | <0.050 | 0.050 | 10/26/2022 | ND | 2.12 | 106 | 2.00 | 3.50 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/26/2022 | ND | 2.07 | 103 | 2.00 | 2.76 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/26/2022 | ND | 6.16 | 103 | 6.00 | 2.86 | | |
| Total BTX | <0.300 | 0.300 | 10/26/2022 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 92.3 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 272 | 16.0 | 10/26/2022 | ND | 432 | 108 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/26/2022 | ND | 231 | 116 | 200 | 0.223 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/26/2022 | ND | 234 | 117 | 200 | 0.202 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/26/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 85.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 103 % 46.3-178

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Analytical Results For:

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

| | | | |
|-------------------|--------------------------------|---------------------|----------------|
| Received: | 10/25/2022 | Sampling Date: | 10/25/2022 |
| Reported: | 10/26/2022 | Sampling Type: | Soil |
| Project Name: | WELL SPRING PADUCA SWD BOOSTER | Sampling Condition: | ** (See Notes) |
| Project Number: | 16824 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - RURAL JAL | | |

Sample ID: FL 61 @ 2 (H225024-08)

| 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 | 10/26/2022 | ND | 2.27 | 113 | 2.00 | 4.69 | | |
| Toluene* | <0.050 | 0.050 | 10/26/2022 | ND | 2.12 | 106 | 2.00 | 3.50 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/26/2022 | ND | 2.07 | 103 | 2.00 | 2.76 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/26/2022 | ND | 6.16 | 103 | 6.00 | 2.86 | | |
| Total BTX | <0.300 | 0.300 | 10/26/2022 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 92.1 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 288 | 16.0 | 10/26/2022 | ND | 432 | 108 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/26/2022 | ND | 231 | 116 | 200 | 0.223 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/26/2022 | ND | 234 | 117 | 200 | 0.202 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/26/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 82.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 102 % 46.3-178

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Analytical Results For:

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

Received: 10/25/2022
 Reported: 10/26/2022
 Project Name: WELL SPRING PADUCA SWD BOOSTER
 Project Number: 16824
 Project Location: MEWBOURNE - RURAL JAL

Sampling Date: 10/25/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: FL 62 @ 2 (H225024-09)

| BTX 8021B | | mg/kg | | Analyzed By: JH | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 10/26/2022 | ND | 2.27 | 113 | 2.00 | 4.69 | | |
| Toluene* | <0.050 | 0.050 | 10/26/2022 | ND | 2.12 | 106 | 2.00 | 3.50 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/26/2022 | ND | 2.07 | 103 | 2.00 | 2.76 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/26/2022 | ND | 6.16 | 103 | 6.00 | 2.86 | | |
| Total BTX | <0.300 | 0.300 | 10/26/2022 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 93.0 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 416 | 16.0 | 10/26/2022 | ND | 432 | 108 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/26/2022 | ND | 231 | 116 | 200 | 0.223 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/26/2022 | ND | 234 | 117 | 200 | 0.202 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/26/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 71.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 84.4 % 46.3-178

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Analytical Results For:

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

Received: 10/25/2022
 Reported: 10/26/2022
 Project Name: WELL SPRING PADUCA SWD BOOSTER
 Project Number: 16824
 Project Location: MEWBOURNE - RURAL JAL

Sampling Date: 10/25/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: FL 63 @ 2 (H225024-10)

| 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 | 10/26/2022 | ND | 2.27 | 113 | 2.00 | 4.69 | | |
| Toluene* | <0.050 | 0.050 | 10/26/2022 | ND | 2.12 | 106 | 2.00 | 3.50 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/26/2022 | ND | 2.07 | 103 | 2.00 | 2.76 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/26/2022 | ND | 6.16 | 103 | 6.00 | 2.86 | | |
| Total BTX | <0.300 | 0.300 | 10/26/2022 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 93.3 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 336 | 16.0 | 10/26/2022 | ND | 432 | 108 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/26/2022 | ND | 231 | 116 | 200 | 0.223 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/26/2022 | ND | 234 | 117 | 200 | 0.202 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/26/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 89.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 106 % 46.3-178

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Analytical Results For:

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

Received: 10/25/2022
 Reported: 10/26/2022
 Project Name: WELL SPRING PADUCA SWD BOOSTER
 Project Number: 16824
 Project Location: MEWBOURNE - RURAL JAL

Sampling Date: 10/25/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: FL 64 @ 2 (H225024-11)

| BTX 8021B | | mg/kg | | Analyzed By: JH | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 10/26/2022 | ND | 2.27 | 113 | 2.00 | 4.69 | | |
| Toluene* | <0.050 | 0.050 | 10/26/2022 | ND | 2.12 | 106 | 2.00 | 3.50 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/26/2022 | ND | 2.07 | 103 | 2.00 | 2.76 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/26/2022 | ND | 6.16 | 103 | 6.00 | 2.86 | | |
| Total BTX | <0.300 | 0.300 | 10/26/2022 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 92.3 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 320 | 16.0 | 10/26/2022 | ND | 432 | 108 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/26/2022 | ND | 231 | 116 | 200 | 0.223 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/26/2022 | ND | 234 | 117 | 200 | 0.202 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/26/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 78.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 93.0 % 46.3-178

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Analytical Results For:

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

| | | | |
|-------------------|--------------------------------|---------------------|----------------|
| Received: | 10/25/2022 | Sampling Date: | 10/25/2022 |
| Reported: | 10/26/2022 | Sampling Type: | Soil |
| Project Name: | WELL SPRING PADUCA SWD BOOSTER | Sampling Condition: | ** (See Notes) |
| Project Number: | 16824 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - RURAL JAL | | |

Sample ID: EW 12 (H225024-12)

| BTEx 8021B | | mg/kg | | Analyzed By: JH | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 10/26/2022 | ND | 2.27 | 113 | 2.00 | 4.69 | | |
| Toluene* | <0.050 | 0.050 | 10/26/2022 | ND | 2.12 | 106 | 2.00 | 3.50 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/26/2022 | ND | 2.07 | 103 | 2.00 | 2.76 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/26/2022 | ND | 6.16 | 103 | 6.00 | 2.86 | | |
| Total BTEX | <0.300 | 0.300 | 10/26/2022 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 93.0 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 480 | 16.0 | 10/26/2022 | ND | 432 | 108 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| GRO C6-C10* | <10.0 | 10.0 | 10/26/2022 | ND | 231 | 116 | 200 | 0.223 | | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/26/2022 | ND | 234 | 117 | 200 | 0.202 | | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/26/2022 | ND | | | | | | |

Surrogate: 1-Chlorooctane 78.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 92.1 % 46.3-178

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Analytical Results For:

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

Received: 10/25/2022
 Reported: 10/26/2022
 Project Name: WELL SPRING PADUCA SWD BOOSTER
 Project Number: 16824
 Project Location: MEWBOURNE - RURAL JAL

Sampling Date: 10/25/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: EW 13 (H225024-13)

| BTEx 8021B | | mg/kg | | Analyzed By: JH | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 10/26/2022 | ND | 2.27 | 113 | 2.00 | 4.69 | |
| Toluene* | <0.050 | 0.050 | 10/26/2022 | ND | 2.12 | 106 | 2.00 | 3.50 | |
| Ethylbenzene* | <0.050 | 0.050 | 10/26/2022 | ND | 2.07 | 103 | 2.00 | 2.76 | |
| Total Xylenes* | <0.150 | 0.150 | 10/26/2022 | ND | 6.16 | 103 | 6.00 | 2.86 | |
| Total BTEX | <0.300 | 0.300 | 10/26/2022 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 94.9 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 32.0 | 16.0 | 10/26/2022 | ND | 432 | 108 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/26/2022 | ND | 226 | 113 | 200 | 4.68 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/26/2022 | ND | 195 | 97.6 | 200 | 2.08 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/26/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 90.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 99.0 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 10/25/2022
 Reported: 10/26/2022
 Project Name: WELL SPRING PADUCA SWD BOOSTER
 Project Number: 16824
 Project Location: MEWBOURNE - RURAL JAL

Sampling Date: 10/25/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SW 3 (H225024-14)

| 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 | 10/26/2022 | ND | 2.27 | 113 | 2.00 | 4.69 | | |
| Toluene* | <0.050 | 0.050 | 10/26/2022 | ND | 2.12 | 106 | 2.00 | 3.50 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/26/2022 | ND | 2.07 | 103 | 2.00 | 2.76 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/26/2022 | ND | 6.16 | 103 | 6.00 | 2.86 | | |
| Total BTEx | <0.300 | 0.300 | 10/26/2022 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 93.2 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 320 | 16.0 | 10/26/2022 | ND | 432 | 108 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/26/2022 | ND | 226 | 113 | 200 | 4.68 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/26/2022 | ND | 195 | 97.6 | 200 | 2.08 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/26/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 84.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 91.5 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

| | | | |
|-------------------|--------------------------------|---------------------|----------------|
| Received: | 10/25/2022 | Sampling Date: | 10/25/2022 |
| Reported: | 10/26/2022 | Sampling Type: | Soil |
| Project Name: | WELL SPRING PADUCA SWD BOOSTER | Sampling Condition: | ** (See Notes) |
| Project Number: | 16824 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - RURAL JAL | | |

Sample ID: WW 8 (H225024-15)

| BTEx 8021B | | mg/kg | | Analyzed By: JH | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 10/26/2022 | ND | 2.27 | 113 | 2.00 | 4.69 | | |
| Toluene* | <0.050 | 0.050 | 10/26/2022 | ND | 2.12 | 106 | 2.00 | 3.50 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/26/2022 | ND | 2.07 | 103 | 2.00 | 2.76 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/26/2022 | ND | 6.16 | 103 | 6.00 | 2.86 | | |
| Total BTEx | <0.300 | 0.300 | 10/26/2022 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 94.5 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 288 | 16.0 | 10/26/2022 | ND | 432 | 108 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/26/2022 | ND | 178 | 88.9 | 200 | 3.58 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/26/2022 | ND | 180 | 89.8 | 200 | 4.51 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/26/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 78.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 83.7 % 46.3-178

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Analytical Results For:

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

| | | | |
|-------------------|--------------------------------|---------------------|----------------|
| Received: | 10/25/2022 | Sampling Date: | 10/25/2022 |
| Reported: | 10/26/2022 | Sampling Type: | Soil |
| Project Name: | WELL SPRING PADUCA SWD BOOSTER | Sampling Condition: | ** (See Notes) |
| Project Number: | 16824 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - RURAL JAL | | |

Sample ID: WW 9 (H225024-16)

| 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 | 10/26/2022 | ND | 2.27 | 113 | 2.00 | 4.69 | | |
| Toluene* | <0.050 | 0.050 | 10/26/2022 | ND | 2.12 | 106 | 2.00 | 3.50 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/26/2022 | ND | 2.07 | 103 | 2.00 | 2.76 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/26/2022 | ND | 6.16 | 103 | 6.00 | 2.86 | | |
| Total BTEx | <0.300 | 0.300 | 10/26/2022 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 92.8 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 400 | 16.0 | 10/26/2022 | ND | 432 | 108 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/26/2022 | ND | 178 | 88.9 | 200 | 3.58 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/26/2022 | ND | 180 | 89.8 | 200 | 4.51 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/26/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 83.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 86.7 % 46.3-178

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Analytical Results For:

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

Received: 10/25/2022
 Reported: 10/26/2022
 Project Name: WELL SPRING PADUCA SWD BOOSTER
 Project Number: 16824
 Project Location: MEWBOURNE - RURAL JAL

Sampling Date: 10/25/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: WW 10 (H225024-17)

| 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 | 10/26/2022 | ND | 2.27 | 113 | 2.00 | 4.69 | |
| Toluene* | <0.050 | 0.050 | 10/26/2022 | ND | 2.12 | 106 | 2.00 | 3.50 | |
| Ethylbenzene* | <0.050 | 0.050 | 10/26/2022 | ND | 2.07 | 103 | 2.00 | 2.76 | |
| Total Xylenes* | <0.150 | 0.150 | 10/26/2022 | ND | 6.16 | 103 | 6.00 | 2.86 | |
| Total BTEx | <0.300 | 0.300 | 10/26/2022 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 93.1 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 400 | 16.0 | 10/26/2022 | ND | 432 | 108 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/26/2022 | ND | 207 | 103 | 200 | 9.75 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/26/2022 | ND | 177 | 88.7 | 200 | 17.7 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/26/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 91.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 106 % 46.3-178

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Analytical Results For:

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

| | | | |
|-------------------|--------------------------------|---------------------|----------------|
| Received: | 10/25/2022 | Sampling Date: | 10/25/2022 |
| Reported: | 10/26/2022 | Sampling Type: | Soil |
| Project Name: | WELL SPRING PADUCA SWD BOOSTER | Sampling Condition: | ** (See Notes) |
| Project Number: | 16824 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - RURAL JAL | | |

Sample ID: WW 11 (H225024-18)

| BTEx 8021B | | mg/kg | | Analyzed By: JH | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 10/26/2022 | ND | 2.27 | 113 | 2.00 | 4.69 | | |
| Toluene* | <0.050 | 0.050 | 10/26/2022 | ND | 2.12 | 106 | 2.00 | 3.50 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/26/2022 | ND | 2.07 | 103 | 2.00 | 2.76 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/26/2022 | ND | 6.16 | 103 | 6.00 | 2.86 | | |
| Total BTEX | <0.300 | 0.300 | 10/26/2022 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 93.0 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 352 | 16.0 | 10/26/2022 | ND | 432 | 108 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/26/2022 | ND | 207 | 103 | 200 | 9.75 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/26/2022 | ND | 177 | 88.7 | 200 | 17.7 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/26/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 71.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 81.5 % 46.3-178

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Notes and Definitions

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

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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 2111 Beechwood, Abilene, TX 79603

(505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325) 673-7020

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|-------------|--|-----------------------------|--|--------------|--|--|--|------------|--|---|--|-----|--|----------------|--|-------|--|------------|--|------------|--|---------|--|-------|--|------|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Company Name: Etech Environmental & Safety Solutions | | | | BILL TO | | | | ANALYSIS REQUEST | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project Manager: Lane Crenshaw | | | | P.O. #: | | | | Chloride TPH (8015M) BTEX (8021B) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Address: 2617 West Marland | | | | Company: Mewbourn | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| City: Hobbs State: NM Zip: 88240 | | | | Attn: Connor Walker | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Phone #: (575) 264-9884 Fax #: | | | | Address: 4801 Bus Park Blvd | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project #: 16824 Project Owner: Mewbourn | | | | City: Hobbs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project Name: Wellspring Paduca SWD Booster | | | | State: NM Zip: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project Location: Rural Jal NM | | | | Phone #: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sampler Name: Dominic Casarez | | | | Fax #: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FOR LAB USE ONLY | | | | | | MATRIX | | PRESERV | | SAMPLING | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lab I.D. | | Sample I.D. | | GIRAB OR (C)OMP. | | # CONTAINERS | | GROUNDWATER | | WASTEWATER | | SOIL | | OIL | | SLUDGE | | OTHER | | ACID/BASE: | | ICE / COOL | | OTHER : | | DATE | | TIME | | | | | | | | | | | | | |
| H225024 | | | | | | | | | | | | | | | | | | | | | | | | | | 10/25 | | | | | | | | | | | | | | | |
| DC | | 1 FL54 @ 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 2 FL55 @ 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 3 FL56 @ 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 4 FL57 @ 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 5 FL58 @ 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 6 FL59 @ 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 7 FL60 @ 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 8 FL61 @ 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 9 FL62 @ 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 10 FL63 @ 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Relinquished By: [Signature] | | | | Date: 10/25 | | | | Received By: [Signature] | | | | Phone Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | | | Add'l Phone #: | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | Time: 4:30pm | | | | | | | | Fax Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | | | Add'l Fax #: | | | | | | | | | | | | | | | | | | | | | | | | | |
| Relinquished By: | | | | Date: | | | | Received By: | | | | REMARKS: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | Time: | | | | | | | | email results | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Delivered By: (Circle One) | | | | #13 | | | | Sample Condition | | | | CHECKED BY: (Initials) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sampler - UPS - Bus - Other: 24.6c / 24.0c | | | | | | | | Cool <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | | | Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | V.D. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rush Please | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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



ARDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|-------------|--|----------------------------|--|--------------|--|---|--|------------|--|------|--|--------|--|-------|--|-----------|--|------------|--|-------|--|-------|--|------|--|
| Company Name: Etech Environmental & Safety Solutions | | | | BILL TO | | | | ANALYSIS REQUEST | | | | | | | | | | | | | | | | | | | |
| Project Manager: Lane Crenshaw | | | | P.O. #: | | | | <div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div> | | | | | | | | | | | | | | | | | | | |
| Address: 2617 West Marland | | | | Company: Mewbourn | | | | | | | | | | | | | | | | | | | | | | | |
| City: Hobbs State: NM Zip: 88240 | | | | Attn: Conner Walker | | | | | | | | | | | | | | | | | | | | | | | |
| Phone #: (575) 264-9884 Fax #: | | | | Address: 4801 Bu Park Blvd | | | | | | | | | | | | | | | | | | | | | | | |
| Project #: 16824 Project Owner: Mewbourn | | | | City: Hobbs | | | | | | | | | | | | | | | | | | | | | | | |
| Project Name: Well Springs Padua SWD Booster | | | | State: NM Zip: | | | | | | | | | | | | | | | | | | | | | | | |
| Project Location: Rural SW | | | | Phone #: | | | | | | | | | | | | | | | | | | | | | | | |
| Sampler Name: Dominic Casarez | | | | Fax #: | | | | | | | | | | | | | | | | | | | | | | | |
| FOR LAB USE ONLY | | | | | | MATRIX | | PRESERV | | SAMPLING | | | | | | | | | | | | | | | | | |
| Lab I.D. | | Sample I.D. | | (G)RAB OR (C)OMP. | | # CONTAINERS | | GROUNDWATER | | WASTEWATER | | SOIL | | SLUDGE | | OTHER | | ACID/BASE | | ICE / COOL | | OTHER | | DATE | | TIME | |
| H225024 | | | | | | | | | | | | | | | | | | | | | | | | 10 25 | | | |
| DL | | FL6402 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | | EW12 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | | EW13 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | | SW3 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | | WW8 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | | WW9 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17 | | WW10 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | | WW11 | | | | | | | | | | | | | | | | | | | | | | | | | |

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: 10 25 | | Received By: | | Phone Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | Add'l Phone #: | |
| Time: 4:30 pm | | | | | | Fax Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | Add'l Fax #: | |
| Relinquished By: | | Date: | | Received By: | | REMARKS: | | | |
| Time: | | | | | | email results | | | |
| Delivered By: (Circle One) | | #13 | | Sample Condition | | CHECKED BY: (Initials) | | | |
| Sampler - UPS - Bus - Other: 24.6°C / 24.0°C | | | | Cool Intact | | T.O. | | | |
| | | | | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | | | | |

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

Appendix E

Regulatory Correspondence

From: [Lance Crenshaw](#)
To: [Ben Arguijo](#)
Subject: FW: [EXTERNAL] Excavation Confirmation Sampling notification
Date: Thursday, October 13, 2022 12:39:54 PM

From: Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>
Sent: Thursday, October 13, 2022 11:38 AM
To: Lance Crenshaw <lance@etechenv.com>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Subject: FW: [EXTERNAL] Excavation Confirmation Sampling notification

Lance

Thank you for the notification. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Thanks,
Jennifer Nobui

From: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Sent: Thursday, October 13, 2022 11:35 AM
To: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>
Subject: Fw: [EXTERNAL] Excavation Confirmation Sampling notification

From: Lance Crenshaw <lance@etechenv.com>
Sent: Thursday, October 13, 2022 11:29 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Ben Arguijo <bena@etechenv.com>; Connor Walker <cwalker@mewbourne.com>
Subject: [EXTERNAL] Excavation Confirmation Sampling notification

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

This email serves as notice that Etech intends to collect excavation confirmation soil samples on October 14 through October 21 from the following locations/reportable release sites:

Mewbourne Oil Co – Wellspring Paduca SWD Booster- nAPP2225255046

If you have any questions or need any additional information, please contact Lance Crenshaw by phone (575-631-2532) or email lance@etechenv.com.

**Lance Crenshaw
Etech Environmental & Safety Solutions
575-631-2532**

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

QUESTIONS

Action 365742

QUESTIONS

| | | |
|---|----------------|---|
| Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241 | OGRID: | 14744 |
| | Action Number: | 365742 |
| | Action Type: | [C-141] Remediation Closure Request C-141 (C-141-v-Closure) |
| | | |

QUESTIONS

| | |
|------------------|---|
| Prerequisites | |
| Incident ID (n#) | nAPP2225255046 |
| Incident Name | NAPP2225255046 WELLSPRING PADUCA SWD BOOSTER @ 30-025-43277 |
| Incident Type | Produced Water Release |
| Incident Status | Remediation Closure Report Received |
| Incident Well | [30-025-43277] PADUCA 6 SWD #001 |

| | |
|--|-------------------------------|
| Location of Release Source | |
| Please answer all the questions in this group. | |
| Site Name | WELLSPRING PADUCA SWD BOOSTER |
| Date Release Discovered | 08/29/2022 |
| Surface Owner | Private |

| | |
|--|------------------------|
| Incident Details | |
| Please answer all the questions in this group. | |
| Incident Type | Produced Water Release |
| Did this release result in a fire or is the result of a fire | No |
| Did this release result in any injuries | No |
| Has this release reached or does it have a reasonable probability of reaching a watercourse | No |
| Has this release endangered or does it have a reasonable probability of endangering public health | No |
| Has this release substantially damaged or will it substantially damage property or the environment | No |
| Is this release of a volume that is or may with reasonable probability be detrimental to fresh water | No |

| | |
|--|--|
| Nature and Volume of Release | |
| Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission. | |
| Crude Oil Released (bbls) Details | Not answered. |
| Produced Water Released (bbls) Details | Cause: Equipment Failure Pipeline (Any) Produced Water Released: 251 BBL Recovered: 0 BBL Lost: 251 BBL. |
| Is the concentration of chloride in the produced water >10,000 mg/l | Yes |
| Condensate Released (bbls) Details | Not answered. |
| Natural Gas Vented (Mcf) Details | Not answered. |
| Natural Gas Flared (Mcf) Details | Not answered. |
| Other Released Details | Not answered. |
| Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts) | Not answered. |

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QUESTIONS, Page 2

Action 365742

QUESTIONS (continued)

| | | |
|---|----------------|---|
| Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241 | OGRID: | 14744 |
| | Action Number: | 365742 |
| | Action Type: | [C-141] Remediation Closure Request C-141 (C-141-v-Closure) |
| | | |

QUESTIONS

| | |
|---|--|
| Nature and Volume of Release (continued) | |
| Is this a gas only submission (i.e. only significant Mcf values reported) | No, according to supplied volumes this does not appear to be a "gas only" report. |
| Was this a major release as defined by Subsection A of 19.15.29.7 NMAC | Yes |
| Reasons why this would be considered a submission for a notification of a major release | From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more. |
| With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form. | |

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.

| | |
|--|---------------|
| The source of the release has been stopped | True |
| The impacted area has been secured to protect human health and the environment | True |
| Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices | True |
| All free liquids and recoverable materials have been removed and managed appropriately | True |
| If all the actions described above have not been undertaken, explain why | Not answered. |

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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.

| | |
|--|---|
| I hereby agree and sign off to the above statement | Name: Connor Walker Title: Senior Engineer Email: cwalker@mewbourne.com Date: 07/19/2024 |
|--|---|

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Santa Fe, NM 87505

QUESTIONS, Page 3

Action 365742

QUESTIONS (continued)

| | | |
|---|----------------|---|
| Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241 | OGRID: | 14744 |
| | Action Number: | 365742 |
| | Action Type: | [C-141] Remediation Closure Request C-141 (C-141-v-Closure) |
| | | |

QUESTIONS**Site Characterization**

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). 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 in feet below ground surface (ft bgs) | Between 100 and 500 (ft.) |
| What method was used to determine the depth to ground water | NM OSE iWaters Database Search |
| Did this release impact groundwater or surface water | No |
| What is the minimum distance, between the closest lateral extents of the release and the following surface areas: | |
| A continuously flowing watercourse or any other significant watercourse | Greater than 5 (mi.) |
| Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark) | Greater than 5 (mi.) |
| An occupied permanent residence, school, hospital, institution, or church | Greater than 5 (mi.) |
| A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes | Greater than 5 (mi.) |
| Any other fresh water well or spring | Between 500 and 1000 (ft.) |
| Incorporated municipal boundaries or a defined municipal fresh water well field | Greater than 5 (mi.) |
| A wetland | Between 1000 (ft.) and ½ (mi.) |
| A subsurface mine | Greater than 5 (mi.) |
| An (non-karst) unstable area | Between 1000 (ft.) and ½ (mi.) |
| Categorize the risk of this well / site being in a karst geology | Medium |
| A 100-year floodplain | Between 1000 (ft.) and ½ (mi.) |
| Did the release impact areas not on an exploration, development, production, or storage site | Yes |

Remediation Plan

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

| | |
|---|-----|
| Requesting a remediation plan approval with this submission | Yes |
| Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC. | |
| Have the lateral and vertical extents of contamination been fully delineated | Yes |
| Was this release entirely contained within a lined containment area | No |

Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)

| | | |
|-------------------|------------------------------------|------|
| Chloride | (EPA 300.0 or SM4500 Cl B) | 1520 |
| TPH (GRO+DRO+MRO) | (EPA SW-846 Method 8015M) | 133 |
| GRO+DRO | (EPA SW-846 Method 8015M) | 133 |
| BTEX | (EPA SW-846 Method 8021B or 8260B) | 0.3 |
| Benzene | (EPA SW-846 Method 8021B or 8260B) | 0.1 |

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

| | |
|---|------------|
| On what estimated date will the remediation commence | 10/11/2022 |
| On what date will (or did) the final sampling or liner inspection occur | 10/14/2022 |
| On what date will (or was) the remediation complete(d) | 10/25/2022 |
| What is the estimated surface area (in square feet) that will be reclaimed | 12800 |
| What is the estimated volume (in cubic yards) that will be reclaimed | 1300 |
| What is the estimated surface area (in square feet) that will be remediated | 12800 |
| What is the estimated volume (in cubic yards) that will be remediated | 1300 |

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 4

Action 365742

QUESTIONS (continued)

| | | |
|---|----------------|---|
| Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241 | OGRID: | 14744 |
| | Action Number: | 365742 |
| | Action Type: | [C-141] Remediation Closure Request C-141 (C-141-v-Closure) |
| | | |

QUESTIONS**Remediation Plan (continued)**

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:

(Select all answers below that apply.)

| | |
|---|----------------|
| (Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.) | Yes |
| Which OCD approved facility will be used for off-site disposal | Not answered. |
| OR which OCD approved well (API) will be used for off-site disposal | Not answered. |
| OR is the off-site disposal site, to be used, out-of-state | Yes |
| In which state is the disposal taking place | Texas |
| What is the name of the out-of-state facility | R360 Red Bluff |
| OR is the off-site disposal site, to be used, an NMED facility | Not answered. |
| (Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms) | Not answered. |
| (In Situ) Soil Vapor Extraction | Not answered. |
| (In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.) | Not answered. |
| (In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.) | Not answered. |
| (In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.) | Not answered. |
| Ground Water Abatement pursuant to 19.15.30 NMAC | Not answered. |
| OTHER (Non-listed remedial process) | Not answered. |

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

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.

| | |
|--|---|
| I hereby agree and sign off to the above statement | Name: Connor Walker Title: Senior Engineer Email: cwalker@mewbourne.com Date: 07/19/2024 |
|--|---|

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 5

Action 365742

QUESTIONS (continued)

| | |
|---|---|
| Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241 | OGRID: 14744 |
| | Action Number: 365742 |
| | Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure) |
| | |

QUESTIONS

| | |
|--|----|
| Deferral Requests Only | |
| Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation. | |
| Requesting a deferral of the remediation closure due date with the approval of this submission | No |

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QUESTIONS, Page 6

Action 365742

QUESTIONS (continued)

| | |
|---|----------------|
| Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241 | OGRID: |
| | 14744 |
| | Action Number: |
| | 365742 |
| Action Type: | |
| [C-141] Remediation Closure Request C-141 (C-141-v-Closure) | |

QUESTIONS

| Sampling Event Information | |
|---|------------|
| Last sampling notification (C-141N) recorded | 365750 |
| Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC | 10/14/2022 |
| What was the (estimated) number of samples that were to be gathered | 95 |
| What was the sampling surface area in square feet | 12800 |

Remediation Closure Request

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.

| | |
|--|---|
| Requesting a remediation closure approval with this submission | Yes |
| Have the lateral and vertical extents of contamination been fully delineated | Yes |
| Was this release entirely contained within a lined containment area | No |
| All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion | Yes |
| What was the total surface area (in square feet) remediated | 12800 |
| What was the total volume (cubic yards) remediated | 1300 |
| All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene | Yes |
| What was the total surface area (in square feet) reclaimed | 12800 |
| What was the total volume (in cubic yards) reclaimed | 1300 |
| Summarize any additional remediation activities not included by answers (above) | Please see attached closure report for complete remediation activities. |

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 (in .pdf format) 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.

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.

| | |
|--|---|
| I hereby agree and sign off to the above statement | Name: Connor Walker Title: Senior Engineer Email: cwalker@mewbourne.com Date: 07/19/2024 |
|--|---|

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

QUESTIONS, Page 7

Action 365742

QUESTIONS (continued)

| | | |
|---|---|--------|
| Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241 | OGRID: | 14744 |
| | Action Number: | 365742 |
| | Action Type: | |
| | [C-141] Remediation Closure Request C-141 (C-141-v-Closure) | |

QUESTIONS

| | |
|---|----|
| Reclamation Report | |
| Only answer the questions in this group if all reclamation steps have been completed. | |
| Requesting a reclamation approval with this submission | No |

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CONDITIONS

Action 365742

CONDITIONS

| | |
|---|---|
| Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241 | OGRID: 14744 |
| | Action Number: 365742 |
| | Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure) |

CONDITIONS

| Created By | Condition | Condition Date |
|----------------|-----------|----------------|
| crystal.walker | None | 8/1/2024 |