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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?	350 (ft bgs)
Did this release impact groundwater or surface water?	Yes 🔽 No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	Yes 🖊 No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	Yes 🗸 No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	Yes 🖊 No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	Yes 🗸 No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	Yes 🗸 No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	Yes 🔽 No
Are the lateral extents of the release within 300 feet of a wetland?	Yes 🗸 No
Are the lateral extents of the release overlying a subsurface mine?	Yes 🚺 No
Are the lateral extents of the release overlying an unstable area such as karst geology?	Yes 🗸 No
Are the lateral extents of the release within a 100-year floodplain?	Yes 🗸 No
Did the release impact areas not on an exploration, development, production, or storage site?	Yes No
Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.	extents of soil
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.

Received by OCD: 7/19/2024 2:02:00 PM Form C-141 State of New Mexico Page 4 Oil Conservation Division

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I hereby certify that the information given above is true and complete to the regulations all operators are required to report and/or file certain release not public health or the environment. The acceptance of a C-141 report by the failed to adequately investigate and remediate contamination that pose a thr addition, OCD acceptance of a C-141 report does not relieve the operator of and/or regulations.	ifications and perform corrective actions for releases which may endanger OCD does not relieve the operator of liability should their operations have eat to groundwater, surface water, human health or the environment. In
Printed Name: Connor Walker	Title: Sr. Engineer
Signature:	Date:
email: cwalker@mewbourne.com	Telephone: (806)202-5281
OCD Only	
Received by:	Date:

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Closure

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

Closure Report Attachment Checklist: Each of the following in	tems must be included in the closure report.
A scaled site and sampling diagram as described in 19.15.29.1	1 NMAC
Photographs of the remediated site prior to backfill or photos must be notified 2 days prior to liner inspection)	of the liner integrity if applicable (Note: appropriate OCD District office
✓ Laboratory analyses of final sampling (Note: appropriate ODC	C District office must be notified 2 days prior to final sampling)
✓ Description of remediation activities	
and regulations all operators are required to report and/or file certain may endanger public health or the environment. The acceptance of	nediate contamination that pose a threat to groundwater, surface water, a C-141 report does not relieve the operator of responsibility for tions. The responsible party acknowledges they must substantially neditions that existed prior to the release or their final land use in CD when reclamation and re-vegetation are complete.
Signature:	Date:
email: cwalker@mewbourne.com	Telephone: (806)202-5281
OCD Only	
Received by:	Date:
	of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible 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

Zen J. Arguijo

Lance Crenshaw



Midland • San Antonio • Lubbock • Hobbs • Lafayette

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- Appendix B Field Data & Soil Profile Logs
- Appendix C Photographic Log
- Appendix D Laboratory Analytical Reports
- Appendix E Regulatory Correspondence

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:

	Locati	on of Release Sou	rce					
Latitude:	32.0722570	Longitude:	-103.718906					
	Provid	ded GPS are in WGS84 format						
	ellspring Paduca SWD Booste		Pipeline					
Date Release Discove	ered: 8/29/2022	API # (if applica	ble): N/A					
Unit Letter S	ection Township	Range	County					
"E"	6 26S	32E	Lea					
Surface Owner: State Federal Tribal X Private (Name Jesse T. Baker								
	Nature a	nd Volume of R	elease					
Crude Oil	Volume Released (bbls)		Volume Recovered (bbls)					
X Produced Water	Volume Released (bbls)	251	Volume Recovered (bbls) 0					
	Is the concentration of total (TDS) in the produced water		X Yes No N/A					
Condensate	Volume Released (bbls)		Volume Recovered (bbls)					
Natural Gas	Volume Released (Mcf)		Volume Recovered (Mcf)					
Other (describe)	Volume/Weight Released		Volume/Weight Recovered					
Cause of Release: A discharge hose on	an inline booster pump failed	and split.						
	I	nitial Response						
X The source of the	e release has been stopped.							
X The impacted are	ea has been secured to protect hi	uman health and the en	vironment.					
X Release material	s have been contained via the us	se of berms or dikes, ab	sorbent pad, or other containment devi	ices				
X All free liquids a	nd recoverable materials have b	een removed and mana	ged 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?	Yes X	No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	Yes X	No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark?	Yes X	No
Are the lateral extents of the release within 300 feet of any occupied permanent residence, school, hospital, institution or church?	Yes X	No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	Yes X	No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	Yes X	No
Are the lateral extents of the release within the incorporated municipal boundaries or within a defined municipal fresh water well field?	Yes X	No
Are the lateral extents of the release within 300 feet of a wetland?	Yes X	No
Are the lateral extents of the release overlying a subsurface mine?	Yes X	No
Are the lateral extents of the release overlying an unstable area such as karst geology?	Yes X	No
Are the lateral extents of the release within a 100-year floodplain?	Yes X	No
Did the release impact areas not on an exploration, development, production or storage site?	X Yes	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	('onstituent	Laboratory Analytical Method	Closure Criteria*†	Reclamation Standard*‡
	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
350'	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

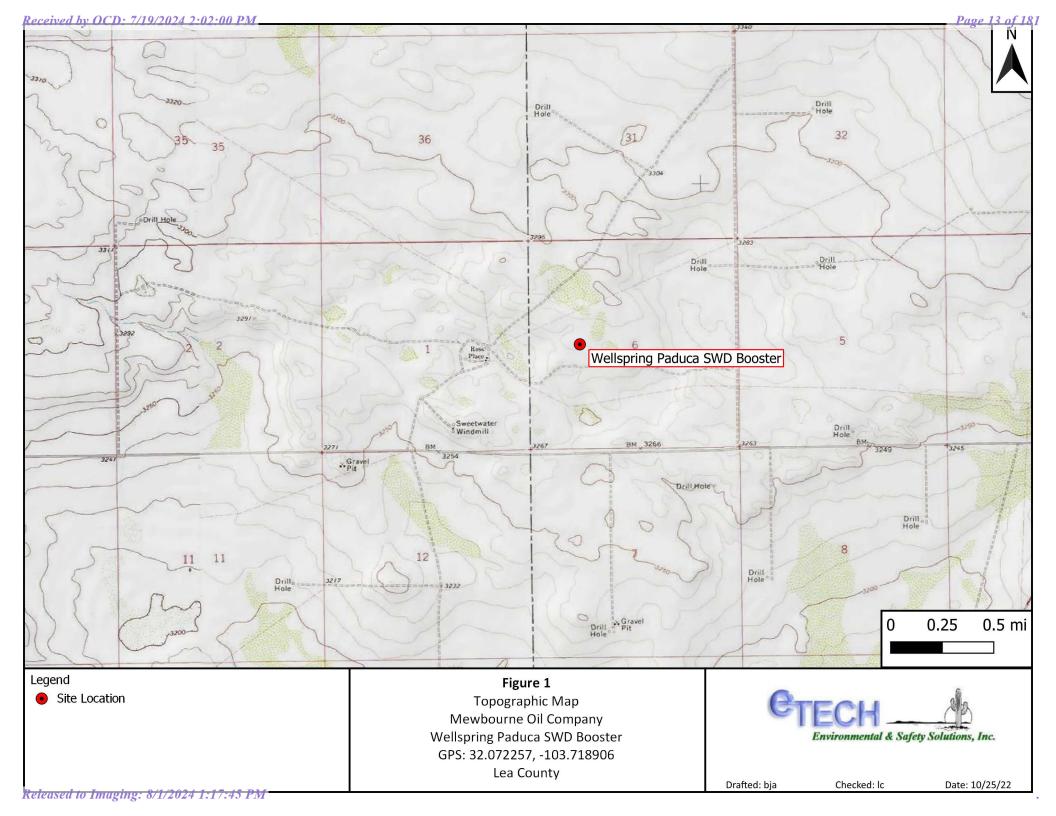


Figure 2 Site Characterization Map

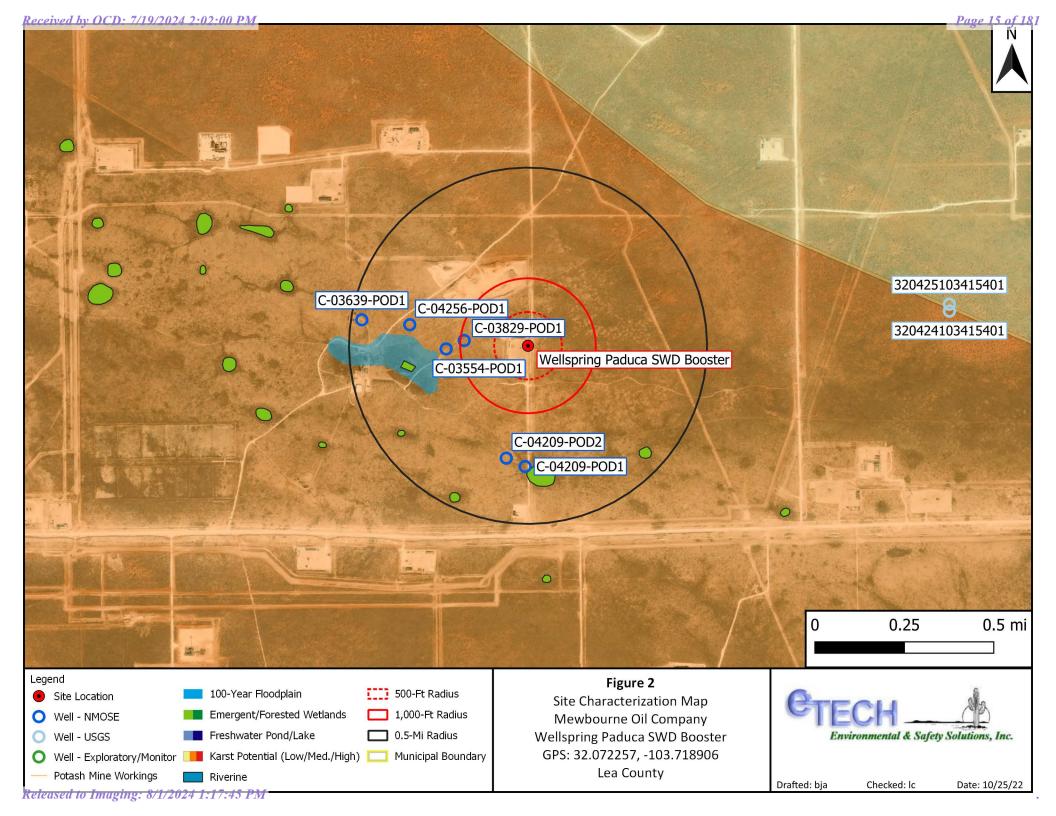


Figure 3 Site & Sample Location Map

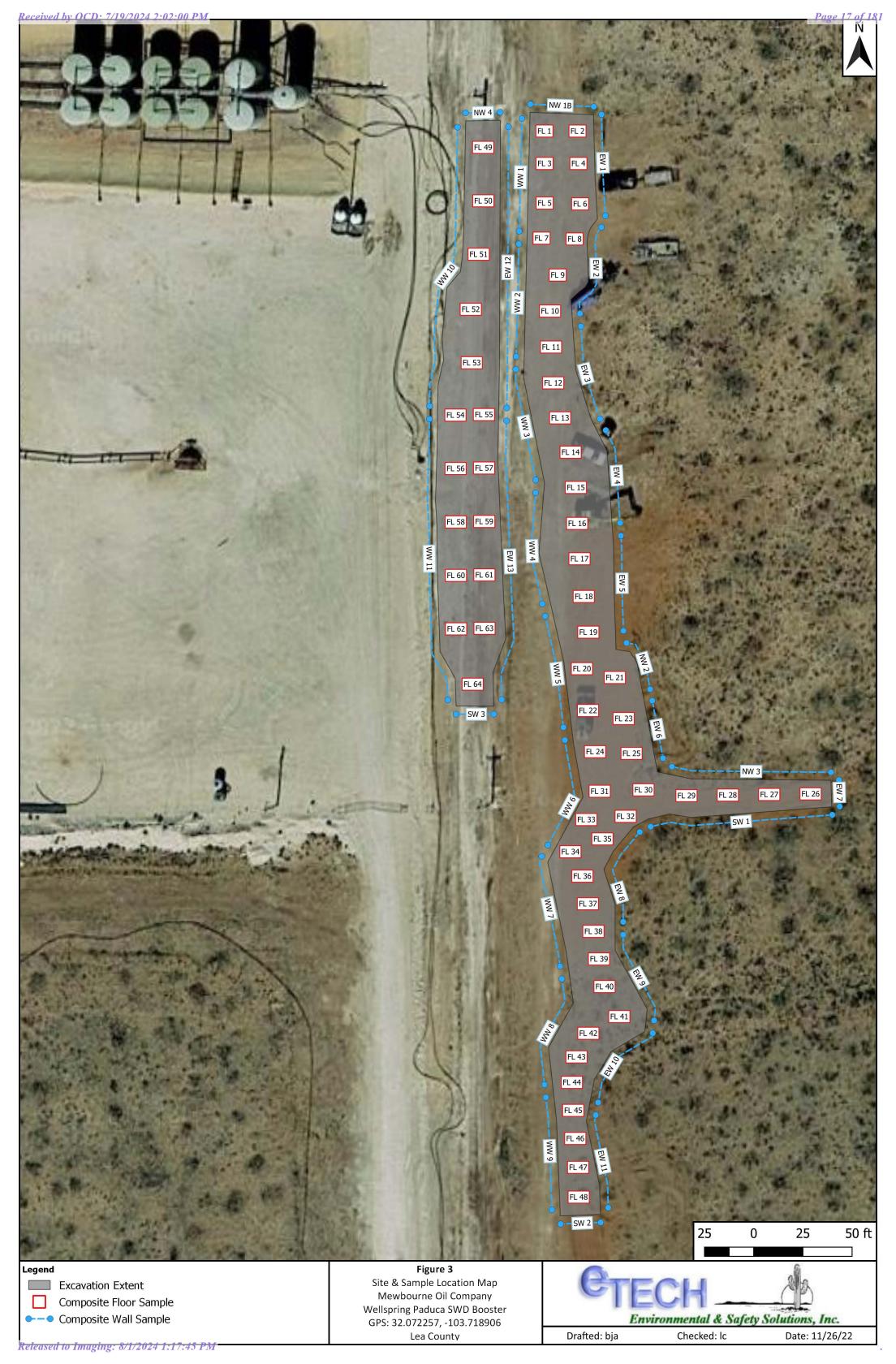


Table 1 Concentrations of BTEX, TPH & Chloride in Soil

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

NMOCD Ref. #: nAPP2225255046											
N	MOCD Closure	e Criteria		10	50	N/A	N/A	1,000	N/A	2,500	20,000
NMO	OCD Reclamati	on Standa	ard	10	50	N/A	N/A	N/A	N/A	100	600
				SW 840	6 8021B		SW	846 8015M	Ext.		4500 Cl
Sample ID	Date	Depth (Feet)	Soil Status	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	ı	-	<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.

Table 1 Concentrations of BTEX, TPH & Chloride in Soil **Mewbourne Oil Company** Wellspring Paduca SWD Booster NMOCD Ref # n A PP2225255046

NMOCD Ref. #: nAPP2225255046											
N	MOCD Closure	e Criteria		10	50	N/A	N/A	1,000	N/A	2,500	20,000
NMC	OCD Reclamati	on Standa	ard	10	50	N/A	N/A	N/A	N/A	100	600
				SW 840	6 8021B		SW	846 8015M	Ext.		4500 Cl
Sample ID	Date	Depth (Feet)	Soil Status	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	1	1	-	1	-	-	-	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	1	-	-	-	-	-	-	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. Red: NMOCD Reclamation Standard exceedance.

FL 58 @ 2'

FL 59 @ 2'

FL 60 @ 2'

FL 61 @ 2'

FL 62 @ 2'

FL 63 @ 2'

FL 64 @ 2'

2

2

2

2

2

2

2

In-Situ

In-Situ

In-Situ

In-Situ

In-Situ

In-Situ

In-Situ

10/25/2022

10/25/2022

10/25/2022

10/25/2022

10/25/2022

10/25/2022

10/25/2022

Table 1											
			Concen	trations o	f BTEX, T	TPH & Ch	loride in S	Soil			
				Mew	bourne Oi	l Compan	y				
				Wellspri	ng Paduca	SWD Boo	oster				
NMOCD Ref. #: nAPP2225255046											
N		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
			SW 840	6 8021B		SW	846 8015M	Ext.		4500 Cl	
Sample ID	Date	Depth (Feet)	Soil Status	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'				0.000	0.500	10.0	10.0	\20.0	10.0	·50.0	
1 L 33 W 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'	10/24/2022 10/25/2022	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 In-Situ	<0.050 <0.050	<0.300 <0.300	<10.0 <10.0	<10.0 <10.0	<20.0 <20.0	<10.0 <10.0	<30.0 <30.0	16.0 368
FL 54 @ 2' FL 55 @ 2'	10/25/2022 10/25/2022	2 2	In-Situ In-Situ In-Situ	<0.050 <0.050 <0.050	<0.300 <0.300 <0.300	<10.0 <10.0 <10.0	<10.0 <10.0 <10.0	<20.0 <20.0 <20.0	<10.0 <10.0 <10.0	<30.0 <30.0 <30.0	16.0 368 32.0

< 0.300

< 0.300

< 0.300

< 0.300

< 0.300

< 0.300

< 0.300

<10.0

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<30.0

< 30.0

< 30.0

<30.0

<30.0

<30.0

336

32.0

272

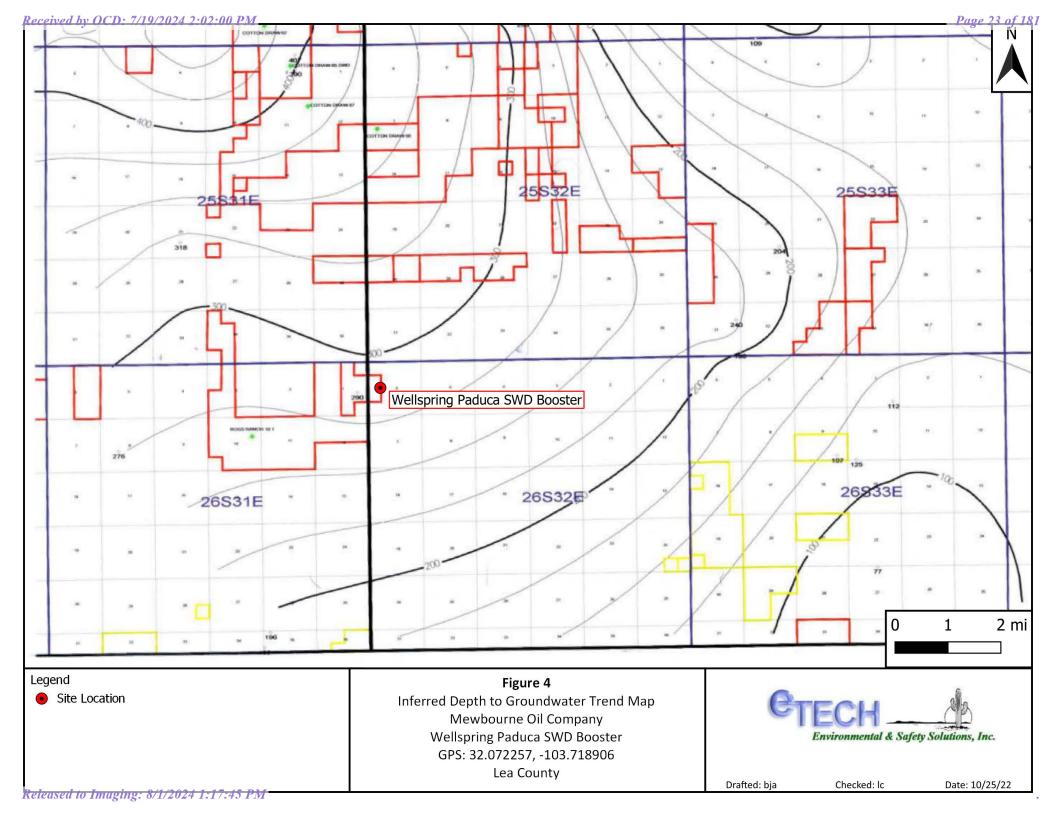
288

416

336

320

Appendix A Depth to Groundwater Information





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 Sub-		Q	Q	Q								v	Vater
POD Number	Code	basin	County	64	16	4	Sec	Tws	Rng	X	Y	DistanceDep	thWellDe	pthWater Co	olumn
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



Point of Diversion Summary

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag **POD Number** Q64 Q16 Q4 Sec Tws Rng

X

C 03829 POD1

26S 32E 06

620628 3549186

Driller License: 1607 **Driller Company:**

DURAN DRILLING

Driller Name: DURAN, LUIS (TONY)

02/11/2015

Drill Finish Date:

02/12/2015

Plug Date:

Drill Start Date: Log File Date:

02/23/2015

PCW Rcv 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

337 Sandstone/Gravel/Conglomerate Sandstone/Gravel/Conglomerate

390 580

330

610 Sandstone/Gravel/Conglomerate

Casing Perforations:

Top Bottom

341 645

16581

Meter Make:

MASTERMETER

Meter Serial Number: 32531561

Meter Multiplier:

100.0000

Number of Dials: 6

Unit of Measure:

Meter Number:

Meter Type:

Diversion

Usage Multiplier:

Return Flow Percent: Reading Frequency:

Gallons

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

1.417 2015

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Point of Diversion Summary

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag **POD Number** Q64 Q16 Q4 Sec Tws Rng

X

C 03554 POD1

1654

4 01 26S 31E 620547 3549148

Driller License:

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: Source:

Log File Date:

10/29/2012 **PCW Rcv Date:**

Pump Type:

Pipe Discharge Size:

Estimated Yield:

Casing Size:

10.00 Depth Well: 630 feet

Depth Water:

300 feet

Shallow

Water Bearing Stratifications:

Top Bottom Description

360 Sandstone/Gravel/Conglomerate

350 550

600 Sandstone/Gravel/Conglomerate

Casing Perforations:

Top Bottom 570 630

MASTERMETER

Meter Number: 16569 **Meter Serial Number:** 8149888 Meter Make: **Meter Multiplier:**

100.0000

Number of Dials:

Meter Type:

Diversion

Unit of Measure: Gallons

Return Flow Percent:

Usage Multiplier:

Reading Frequency:

Meter Readings (in Acre-Feet)

Read Date	Year M	Itr Reading	Fla	g 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 Mete	er Amounts	: Year		Amount	
		2014		17.631	
		2015		17.235	

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9/20/22 1:34 PM



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

NA C 04209 POD2 06 26S 32E

620818 3548657

Driller License: 1706 **Driller Company:**

ELITE DRILLERS CORPORATION

Driller Name:

BRYCE WALLACE

Drill Finish Date:

05/09/2018 **Plug Date:**

Shallow

Log File Date:

Drill Start Date:

05/07/2018 05/21/2018

PCW Rcv Date:

Source:

Pump Type:

Pipe Discharge Size:

Estimated Yield:

5 GPM

Casing Size:

6.00

Depth Well:

340 feet

Depth Water:

155 feet

Water Bearing Stratifications:

Casing Perforations:

Top Bottom Description

18 320 Sandstone/Gravel/Conglomerate

Top

Bottom

340 200

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9/20/22 1:21 PM



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

X

NA C 04209 POD1

Q64 Q16 Q4 Sec Tws Rng2 3 3 06 26S 32E

2540610

620903 3548619

9

Driller License: 1706

ELITE DRILLERS CORPORATION

Driller Name: BRYCE WALLACE

04/28/2018

Drill Finish Date:

Driller Company:

05/01/2018

Plug Date:

Shallow

Log File Date:

Drill Start Date:

05/21/2018

PCW Rcv Date:

Source:

Silallow

Pump Type:

03/21/2010

Pipe Discharge Size:

Estimated Yield:

25 GPM

Casing Size:

6.00

Depth Well: 3

360 feet

Depth Water:

155 feet

Water Bearing Stratifications:

Top Bottom Description

15

350 Sandstone/Gravel/Conglomerate

Casing Perforations:

Top Bottom

360

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

200

9/20/22 1:24 PM



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

 NA
 C 04256 POD1
 4 4 2 01 26S 31E 620384

X Y 384 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:07/18/2018PCW Rev Date:Source:ArtesianPump Type:Pipe Discharge Size:Estimated Yield:40 GPMCasing Size:5.80Depth Well:666 feetDepth 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
480 610 Sandstone/Gravel/Conglomerate
326 666

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

9/20/22 1:25 PM



Point of Diversion Summary

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

(quarters are smallest to largest) Q64 Q16 Q4 Sec Tws Rng (NAD83 UTM in meters)

Well Tag **POD Number**

X

C 03639 POD1

1654

4 2 01 26S 31E 620168 3549279

Driller License:

Driller Company:

NOT WORKING FOR HIRE--SIRMAN DRILLING

AND CONSTRUC

Driller Name:

Drill Start Date: 09/23/2013

6.00

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:

Depth Well:

700 feet

Depth Water: 365 feet

Water Bearing Stratifications: **Top Bottom Description**

600 Sandstone/Gravel/Conglomerate

Casing Perforations:

Gallons

Top Bottom

660

Meter Number: 16575 600 Meter Make:

560

MASTERMETER

Meter Serial Number: 8827642

Meter Multiplier:

100.0000 Diversion

Number of Dials:

Meter Type:

Return Flow Percent:

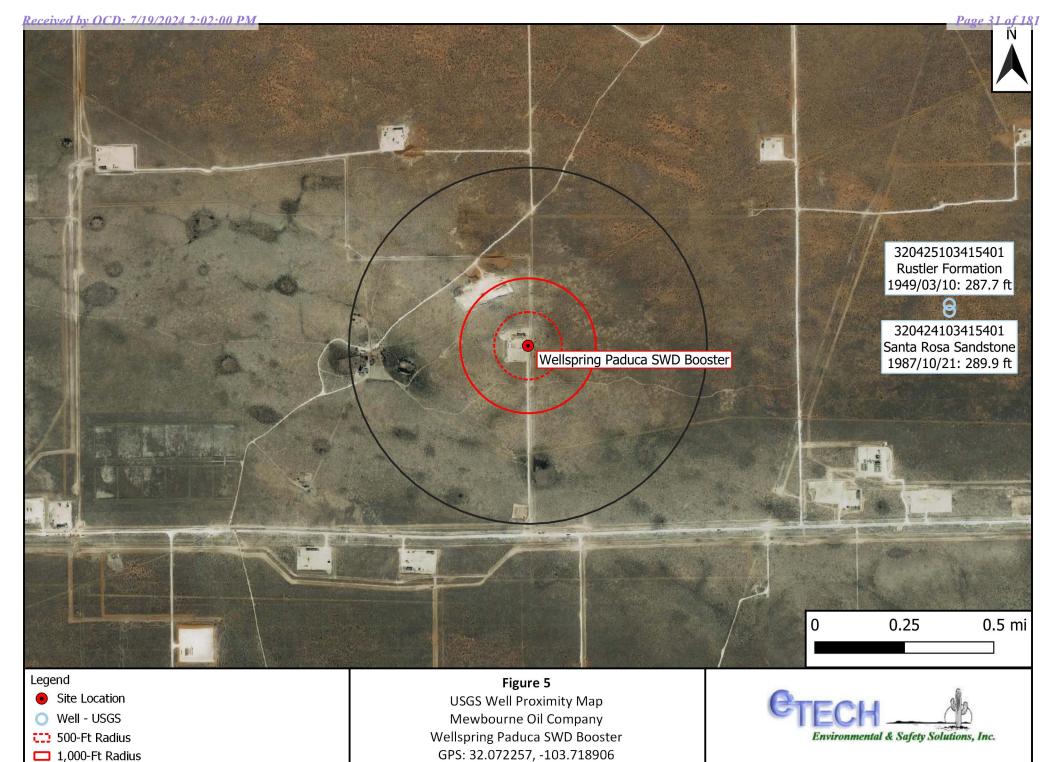
Unit of Measure: Usage Multiplier:

Reading Frequency:

Meter Readings (in Acre-Feet)

Read Date	Year N	Atr Reading	Fla	g Rdr Comment	Mtr Amount Or
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 Met	er Amounts	s: Year		Amount	
		2013		0	
		2014		15.208	
		2015		9.920	

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



Lea County

Drafted: bja

Checked: jc

Date: 10/25/22

0.5-Mi Radius

Released to Imaging: 8/1/2024 1:17:45 PM



Click for News Bulletins

Groundwater levels for the Nation

Table of data Tah-senarated data

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usqs

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 aguifers (N9999OTHER) national aguifer. This well is completed in the Santa Rosa Sandstone (231SNRS) local aquifer.

Output formats

raph of data eselect 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			Į.
1983-02-14		D	72019	289.42			1	Z			,
1987-10-21		D	72019	289.90			1	Z			

Received by OCD: 7/19/2024 2:02:00 PM

Explanation

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

Questions about sites/data?
Feedback on this web site
Automated retrievals
Help
Data Tips
Explanation of terms
Subscribe for system changes
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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: <u>USGS Water Data Support Team</u>

Page Last Modified: 2022-09-20 13:14:53 EDT

0.34 0.26 nadww01





Click for News Bulletins

Groundwater levels for the Nation

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs

site no list =

• 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 aguifers (N9999OTHER) national aguifer.

This well is completed in the Rustler Formation (312RSLR) local aquifer.

Output formats able of data Tab-separated data Graph of data Reselect period Water Water level, level, feet Referenced Waterfeet Waterabove vertical **Date** Time Measuring \$ **Parameter** below **Method of** Source of level level specific datum Status date-time code land measurement agency measurement approval vertical surface status accuracy datum 72019 1949-03-10 D 72019 287.70 Ζ

Received by OCD: 7/19/2024 2:02:00 PM

Explanation

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

<u>Questions about sites/data?</u> <u>Feedback on this web site</u> Automated retrievals Help Data Tips Explanation of terms
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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: <u>USGS Water Data Support Team</u> Page Last Modified: 2022-09-20 13:16:28 EDT

0.35 0.28 nadww01



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
RIEI		588	
FL201	***********	536	F
FL3@	-	536	
F14@1	wall was here and	588	,
WWI		588	
NWI	William Control of the Control of th	400	
EWI	and the same of th	288	~
WWZ	(Million)	588	
Enz		488	
EW3	Source states of the Park	3 <i>5</i> ర	
FLSQI	********	588	
FL6@1	San	U88	
FLIGI	water of the later	5000	
FL8@1	SA AND PROCESSOR AND ADDRESSOR AND ADDRESSOR AND ADDRESSOR ADDRESS	536	
FL9@3	A CONTRACTOR OF THE PARTY OF TH	356	
FL 10@3	and intermedia antique an	588	
FLIICO		588	¥
WW3	49776	444	, mt.
EWA	- property of the second	444	
FL1203	martinal description and a	536	
EL13@3	ANALYSINE BILLERING NEW CO. CO.	580	
F4 14	Comment of the same	536	, **
WWL	and the process of the contract of the contrac	588	
E W 6	- San Carlotte Comment	588	* • •
FL1503	and the same of th	588	
F116@4		424	1
F117Q4	Manual Manual	572	
PL 18 @ 3	-127400 minor of the second of	528	2
FL19@4	occurs to considerate operation	1364	
FL2004	Charge Total II	954	
42104	Manual Misson Page 1	526	
WYS	Statement.	572	İ
W W 6		And the state of t	
FL 22 @ 9	Malenaryhanar	520 6.	
FL 23 @ 4	Newsystem Conference on the Co	8/2 /	
FL 2404	Name and Address of the Owner, where	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:	

Wellspring Paduca SWD Booster Project:

-103.718906 Project Number: 16824 32.072257 Latitude: Longitude:

Sample ID	PID/Odor	Chloride Conc.	GPS
FL26@4	Adjunction and Advances.	628	
NWZ	# The second sec	572	*
EW6	vargonodiffichs"	520	
126 @4	Special State Contraction of the	1.364	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
12704	digital investigation.	1,104	
NW3	AND DEPOSIT OF THE PARTY OF THE	520	
WZ	A STATE OF THE PARTY OF THE PAR	468	
SWI	and the second second second	SZO	
NWIB	*Name that the state of the sta	468	
21864	Name and Part of the Part of t	5 2 0	
73860	and the state of t	468	
12901	A STATE OF THE PARTY OF THE PAR	812	
1304	CONTRACTOR OF THE PARTY OF THE	812	
6 1504	-	812	
L30@4		688	
L31 Q4		952	
13204	and the second s	952	,
133@4	- white	-688	
W8		520	
W9	-	572	
VW7 -		52a	4
234@4	Biographical Solid	880	
135@4	68 Million vices	572	
136@4	AND THE PERSON NAMED OF TH	විදිර	74
13704	Name of the last o	628	
138@4	Committee of the Commit	812	
L39@4	gentification	572	
40@4	Service (1) 20 10 10 10 10 10 10 10 10 10 10 10 10 10	880	
4100	Anguaged in an Abadin and State Co.	812	
L4264		1,028	
L 43@4	American	812	
L 44QU	homogeneous	380	
L 45.04	Gill State S	886	
L 46 Q4"	is in	1,028	
4704	No.	386	* -
in 2	gefiteinces-c-	572	* .
Sample Point = SP #1 @ ## etc		Test Trench = TT #1 @ ##	Resamples= SP #1 @ 5b or SW #1b
Floor = FL #1 etc		Refusal = SP #1 @ 4'-R	Stockpile = Stockpile #1
Sidewall = SW #1 etc		Soil Intended to be Deferred = SP #1 @ 4' In-Situ	GPS Sample Points, Center of Comp Area



FL 45

Sample Log

Date:	

Project: Wellspring Paduca SWD Booster

Project Number: 16824 Latitude: 32.072257 Longitude: -103.718906

Sample ID	PID/Odor	Chloride Conc.	GPS
14804	Name of the last o	1 364	A
CWIO	-analygishilingsonahiling-	424	
EW 11	A CONTRACTOR OF THE PARTY OF TH	424	
24462	- Company of the Comp	520	
C150@2		424	
151 @ 2	The state of the s	468	
95202	THE RESERVE OF THE PARTY OF THE	572	
153 @ 7		572	
WWW	escución modificación mos	572	
cun	#Water-dicharchago	520	
FL5462		520	
FL55@2		232	
FL56@2	***	395	
WW II	Malanam	3 9 50000	
FL57@L	Marian and Colored Colored	424	
FL 58 @ 2	See tomornile.	395	
EN13	CARROLLEGICA	232	2
FL 59 @ 7	A CONTRACTOR OF THE PROPERTY O	23 2-	
260.82	Allegations in extra and a	340	
FLNOZ	State of the state	424	
5V3	The second secon	Sarray Pome	24
re 6202	participation and the second	340	
FL63@2	**************************************	340	
FLAG PO	B. S.	474	74
WW 8	Control of the Contro	395	
howa	\$887,000,000,000,000,000,000,000,000,000,	468	
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		3	·
Automotive			
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A CONTRACTOR OF THE CONTRACTOR	***	2*	4 .
	-		Sec.

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

Received by OCD: 7/19/2024 2:02:00 PM



Soil Profile

					Date:	
Project:	Wellspring P	aduca SWD Boost	er			
	, wenspring i					
Project Num	iber:	16824	Latitude:	32.072257	Longitude:	-103.718906
Depth (ft. bgs	:)		1	Des	cription	
Depth (jt. bgs	<u>.</u> 1 1	()	Lecherock Cherock	Des	cription	
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Received by OCD: 7/19/2024 2:02:00 PM

Appendix C Photographic Log

Photo Number:

Photo Direction: North

Photo Description:

View of the affected area.



Photo Number:

2

Photo Direction:

Northeast

Photo Description:

View of the affected area.



Photo Number:

3

Photo Direction:

North

Photo Description:

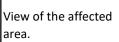




Photo Number:

4

Photo Direction:

North-Northwest

Photo Description:

View of the affected area.



Photo Number:

5

Photo Direction:

North-Northwest

Photo Description:

View of the affected area.



Photo Number:

6

Photo Direction:

South

Photo Description:

View of the excavated area.



Photo Number:

7

Photo Direction: Southwest

Photo Description:

View of the excavated

area.



Photo Number:

8

Photo Direction:North-Northwest

Photo Description:

View of the excavated area.

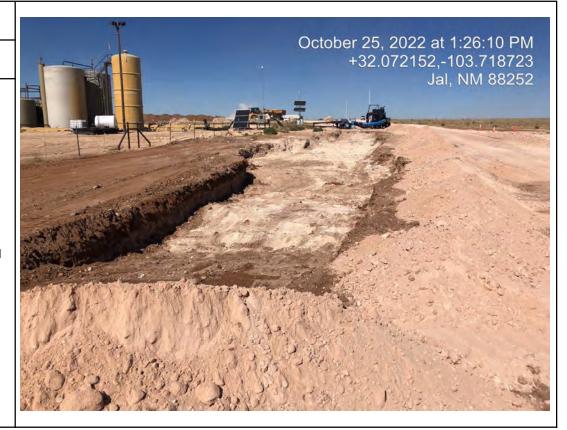


Photo Number:

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.



Photo Number:

11

Photo Direction: South

Photo Description:

View of the remediated area after backfill and regrading.



Photo Number:

12

Photo Direction:

South

Photo Description:

View of the remediated area after backfill and regrading.



Photo Number:

13

Photo Direction:

North

Photo Description:

View of the remediated area after backfill and regrading.



Photo Number:

14

Photo Direction:

North

Photo Description:

View of the remediated area after backfill and regrading.



Photo Number:

15

Photo Direction: East-Northeast

Photo Description:

View of the remediated area after backfill and regrading.



Photo Number:

16

Photo Direction:

North-Northeast

Photo Description:

View of the remediated area after backfill and regrading.



Appendix D Laboratory Analytical Reports



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/ga/lab accred certif.html.

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

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

Received: 10/11/2022 Reported: 10/17/2022 Sampling Date: 10/11/2022

Project Name: WELL SPRING PADUCA SWD BOOSTER

Sampling Type: Soil

Project Number: NOT GIVEN

Sampling Condition: ** (See Notes)
Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE - RURAL JAL

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

BTEX 8021B	mg,	'kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 BTEX	<0.300	0.300	10/15/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	'kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	10/13/2022	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	96.3	% 46.3-17	8						

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keine



Analytical Results For:

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

Fax To:

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	Analyze	ed 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	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	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	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	96.4	% 46.3-17	8						

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene



Analytical Results For:

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

Fax To:

Received: 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	Analyze	d 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	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	10/13/2022	ND	432	108	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	110	% 46.3-17	8						

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Celey & Keene



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: Sampling Type: 10/17/2022 Soil

Project Name: WELL SPRING PADUCA SWD BOOSTER Sampling Condition: ** (See Notes) Project Number: Tamara Oldaker NOT GIVEN Sample Received By:

Project Location: MEWBOURNE - RURAL JAL

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

BTEX 8021B	mg/	kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 %	69.9-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	10/13/2022	ND	432	108	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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 %	6 45.3-16	1						
Surrogate: 1-Chlorooctadecane	114 %	6 46.3-17	8						

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Analytical Results For:

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

Fax To:

Received: 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	Analyze	d 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	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	'kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	10/13/2022	ND	432	108	400	3.77	
TPH 8015M	mg,	'kg	Analyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	105	% 46.3-17	8						

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Analytical Results For:

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

Fax To:

Received: 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	Analyze	ed 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	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	10/13/2022	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	118	% 46.3-17	8						

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Analytical Results For:

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

Fax To:

Received: 10/11/2022 Sampling Date: 10/11/2022

Reported: Sampling Type: 10/17/2022 Soil

Project Name: WELL SPRING PADUCA SWD BOOSTER Sampling Condition: ** (See Notes) Tamara Oldaker Project Number: NOT GIVEN Sample Received By:

Project Location: MEWBOURNE - RURAL JAL

Sample ID: WW 2 (H224783-07)

BTEX 8021B	mg/	kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	10/13/2022	ND	432	108	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	96.9	% 46.3-17	8						

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Analytical Results For:

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

Received: 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: EW 1 (H224783-08)

BTEX 8021B	mg/	kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	10/13/2022	ND	432	108	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	60.4	% 46.3-17	8						

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Analytical Results For:

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

Received: 10/11/2022 Reported: 10/17/2022

10/11/2022Sampling Date:10/11/202210/17/2022Sampling Type:SoilWELL SPRING PADUCA SWD BOOSTERSampling Condition:** (See Not

Project Name: WELL SPRIN Project Number: NOT GIVEN

Project Location: MEWBOURNE - RURAL JAL

Sampling Condition: ** (See Notes)
Sample Received By: Tamara Oldaker

Sample ID: EW 2 (H224783-09)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	10/13/2022	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	97.4	% 46.3-17	8						

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Analytical Results For:

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

Fax To:

Received: 10/11/2022 Sampling Date: 10/11/2022

Reported: Sampling Type: 10/17/2022 Soil

Project Name: WELL SPRING PADUCA SWD BOOSTER Sampling Condition: ** (See Notes) Tamara Oldaker Project Number: NOT GIVEN Sample Received By:

Project Location: MEWBOURNE - RURAL JAL

Sample ID: EW 3 (H224783-10)

BTEX 8021B	mg/	kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	10/13/2022	ND	432	108	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	98.8	% 46.3-17	8						

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Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

*** Insufficient time to reach temperature.

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

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

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name	Etech Environmental & Safety Solution	ons				B	ILL TO	111					ANALYSI	S REQU	EST	
Project Manage	H:				P.O.		-		T	T						
Address: 261	7 West Marland				Com	pany:/	New boo	IVN						and the same of th		
City: Hobbs		Zip: 88	8240		Attn:	and the same	or Conne	walk.	el							
Phone #: (575) 264-9884 Fax #:				Addr	ess: 4	1801 Bus	PALE BLV								
Project #:	Project Owner	Mew	boorn		City:	Hol	065		7	(8015M)	(8021B)					
Project Name:	Wellsprins Paduca Sui	800	ster			· NM			ge e	15	2				1 1	
Project Locatio		67			Phon				Chloride	000	80		1		1 1	
Sampler Name:					Fax I	t:			구	0	×				1	
FOR LAB USE ONLY			A	MATRIX	PI	RESERV	SAMP	LING	10	TPH	TEX					
Lab I.D. HZZ4783	Sample I.D.	(G)RAB OR (C)ON # CONTAINERS	GROUNDWATER	SOIL	OTHER ACID/BASE	ICE / COOL	DATE		-		m					
001	FLIQI						10:11	5.22	-//	/	-					
	FLZ@1			1			11		17	11)					
	EL3@1		-	-	-	+-		1	11		-					
	FLY®I	-		-	-	-	-		+	1	1	-		-		
5	NYI	-		-	-	++-	++-	11	+	++	-			-		
9	WWI	-		-	-	++	1	+	+	+1	-					
9	EWI	-		1	+	++	11	++-	11	11				-		
8	CWI	-		+	+-	+-		+-	+	++	1	-			-	
10	EW Z EW3	\vdash		V	+	1	1	11	1	1/	V	-		-	1	
	nd Demarges. Cardinal's liability and offers's exclusive restorcy for a	w stalm sein	wa whether h	ested in capter	t or lost of	of he figyles	d in the array over	and by the offers	for the	1.1/				1		

PLEASE NOTE: Limiting and Denning and Continue and desire accessor revised for any drawn arway wrotened based in contract of tall, stead to include the amount paid by the desire for the applicable.

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Relinquished By:	Date: / /	Received By:	Phone Result:	D Yes	2 No	Add'I Phone #:
12 /11	10-10		Fax Result:	☐ Yes	12) No	Add'l Fax #:
1/20 / US	Time: 5.22		REMARKS:			
Por UTI	3.6	- A	-	4.		
Retinquished By:	Date 1177	Received By:	remail res	ults		
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[†] Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476



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/ga/lab accred certif.html.

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

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

Fax To:

Received: 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)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	528	16.0	10/17/2022	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	118 9	% 46.3-17	8						

Cardinal Laboratories *=Accredited Analyte

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Celey & Keene



Analytical Results For:

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

Fax To:

Received: 10/13/2022 Sampling Date: 10/12/2022

Reported: Sampling Type: Soil 10/19/2022

Project Name: WELL SPRING PADUCA SWD BOOSTER Sampling Condition: Cool & Intact Tamara Oldaker Project Number: NOT GIVEN Sample Received By:

Project Location: MEWBOURNE - RURAL JAL

Sample ID: WW 3 (H224848-02)

BTEX 8021B	mg/	kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	10/17/2022	ND	432	108	400	3.64	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	92.9	26 46.3-17	8						

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Celey D. Keene



Analytical Results For:

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

Fax To:

Received: 10/13/2022 Sampling Date: 10/12/2022

Reported: Sampling Type: Soil 10/19/2022

Project Name: WELL SPRING PADUCA SWD BOOSTER Sampling Condition: Cool & Intact Tamara Oldaker Project Number: NOT GIVEN Sample Received By:

Project Location: MEWBOURNE - RURAL JAL

Sample ID: WW 4 (H224848-03)

BTEX 8021B	mg/	kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	10/17/2022	ND	432	108	400	3.64	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	92.3	% 46.3-17	8						

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Celey D. Keene



Analytical Results For:

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

Fax To:

Received: 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	Analyze	d 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	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	10/17/2022	ND	432	108	400	3.64	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	81.8	% 46.3-17	8						

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Celey D. Keene



Analytical Results For:

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

Fax To:

Received: 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 6 @ 1 (H224848-05)

BTEX 8021B	mg	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	10/17/2022	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	84.0	% 46.3-17	8						

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Celey D. Keene



Analytical Results For:

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

Fax To:

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	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	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	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	82.9	% 46.3-17	8						

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Celey D. Keene



Analytical Results For:

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

Fax To:

Received: 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	% 69.9-14	0						
Chloride, SM4500CI-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	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	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	83.8	% 46.3-17	8						

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Celey D. Keene



Analytical Results For:

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

Fax To:

Received: 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	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	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	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	80.8	% 46.3-17	8						

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Celey D. Krene



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: Sampling Type: Soil 10/19/2022

Project Name: WELL SPRING PADUCA SWD BOOSTER Sampling Condition: Cool & Intact Project Number: Sample Received By: NOT GIVEN Tamara Oldaker

MEWBOURNE - RURAL JAL Project Location:

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

BTEX 8021B	mg/	kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	10/18/2022	ND	448	112	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	81.3	% 46.3-17	8						

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Analytical Results For:

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

Fax To:

Received: 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 11 @ 2 (H224848-10)

Recovery True Value QC RPD Qualifier 99.0 2.00 8.43 98.1 2.00 7.98 97.1 2.00 8.46 98.8 6.00 8.59
98.1 2.00 7.98 97.1 2.00 8.46
97.1 2.00 8.46
08 8 6 00 8 50
30.0 0.00 0.33
Recovery True Value QC RPD Qualifier
112 400 0.00
Recovery True Value QC RPD Qualifier
116 200 2.11
110 200 5.82
Re 1

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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: Sampling Type: Soil 10/19/2022

Project Name: WELL SPRING PADUCA SWD BOOSTER Sampling Condition: Cool & Intact Sample Received By: Project Number: NOT GIVEN Tamara Oldaker

Project Location: MEWBOURNE - RURAL JAL

Sample ID: EW 5 (H224848-11)

BTEX 8021B	mg/	kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	10/18/2022	ND	448	112	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	93.6	26 46.3-17	8						

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Analytical Results For:

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

Fax To:

Received: 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	Analyze	ed 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	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	10/18/2022	ND	448	112	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	87.9	% 46.3-17	8						

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Analytical Results For:

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

Received: 10/13/2022 Reported: 10/19/2022

Project Name: WELL SPRING PADUCA SWD BOOSTER

Project Number: NOT GIVEN

MEWBOURNE - RURAL JAL Project Location:

Sampling Date: 10/13/2022

Sampling Type: Soil

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

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

BTEX 8021B	mg/	kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	608	16.0	10/18/2022	ND	448	112	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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 9	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	109 9	6 46.3-17	8						

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Analytical Results For:

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

Received: 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 14 @ 3 (H224848-14)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 69.9-14	0						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	10/18/2022	ND	448	112	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	102	% 46.3-17	78						

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Analytical Results For:

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

Fax To:

Received: 10/13/2022 Sampling Date: 10/13/2022

Reported: Sampling Type: Soil 10/19/2022

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	Analyze	d 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	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	800	16.0	10/18/2022	ND	448	112	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	104	% 46.3-17	8						

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Analytical Results For:

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

Fax To:

Received: 10/13/2022 Sampling Date: 10/13/2022

Reported: Sampling Type: Soil 10/19/2022

Project Name: WELL SPRING PADUCA SWD BOOSTER Sampling Condition: Cool & Intact Tamara Oldaker Project Number: NOT GIVEN Sample Received By:

MEWBOURNE - RURAL JAL Project Location:

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

BTEX 8021B	mg/	kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 %	69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	464	16.0	10/18/2022	ND	448	112	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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 9	45.3-16	1						
Surrogate: 1-Chlorooctadecane	101 9	6 46.3-17	8						

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Analytical Results For:

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

Fax To:

Received: 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	Analyze	d 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	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	10/18/2022	ND	448	112	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	98.8	% 46.3-17	8						

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Analytical Results For:

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

Fax To:

Received: 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	Analyze	ed 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	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1010	16.0	10/18/2022	ND	448	112	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	93.2	% 46.3-17	8						

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene



Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

*** Insufficient time to reach temperature.

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

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

Cardinal Laboratories *=Accredited Analyte

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Celeg D. Freene

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Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

(E) AF

ARDINAL LABORATORIES

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Etech Environmental & Safety Solutions	BILL TO		ANALYSIS REQUEST
Project Manager: Lanc EvenShaw	P.O. #:		
Address: 2617 West Marland	Company: May born		
City: Hobbs State: NM Zip: 88240	Address: 491/ Bur Parklid		
Phone #: (575) 264-9884 Fax #:	Address: Wal Bux Parklid		
Project #: Project Owner. MLV bour	city: Harth	Chloride TPH (8015M) STEX (8021B)	
Project Name: Well Spring Padvin Sul Booster	State: NM Zip:	de 15	
Project Location: YUVA Ja 1	Phone #:	Chloride H (8015 EX (802	
Sampler Name: Dominic Cosace	Fax #:	FX	
FOR LAB USE ONLY	ATRIX PRESERV SAMPLING	CH PH (
Tab I.D. Sample I.D. #224848 #224848 #2461 #2600 3 #2600 3 #2600 3 #2600 3	OIL SLUDGE OTHER ACID/BASE: ICE / COOL OTHER:		
10 1102		4 9 9	
PLEASE NOTE: Liability and Darmges. Cardysi's liability and olient's exclusive remody for any claim arising whether be an increase. All claims including those for negligance and any other course whetherever shall be desented without actives me arrive. In no event shall cardinate be faither for inclounts or consequented damages, including without fortestant publishes and adheres or successors arrange out of or related to the performance of services the extended by Cardinat organishes of which	te in writing and received by CardinaPublish 30 days after complation of the subtrauptions, teas of whe, or teas of gratite incorred by client, its subsidies	e applicable ies	
Relinquished By: Date: 6.13 Received By: Time;	Phone Res Fax Result REMARKS	sult: D Yes 20 : D Yes 20	No Add'i Phone #: No Add'i Fax #:
Relinquished by: Date: Received By:	email	results	

CHECKED BY:

(Initials)

Sample Condition

Cool Intact
Yes Yes

Time:

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

Received by OCD: 7/19/2024 2:02:00 PM

ARDINAL LABORATORIES

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Etech Environmental & Safety So	lutions	B	LL TO				ANAL	YSIS R	EQUEST	
Project Manager: Lanc Crenshay		P.O. #:					T			
Address: 2617 West Marland	The same of the sa	Company:								
City: Hobbs State: NI	Zip: 88240	Attn:								
Phone #: (575) 264-9884 Fax #:		Address:								
Project #: Project Ov	mer:	City:			2	0			1 1	
Project Name: Vell String Poduca Swa		State:	Zip:	le le	TPH (8015M	(8021B				
Project Location: Puyal Sal		Phone #:		Chloride	80	8				
Sampler Name: Pominil C559	re2	Fax #:		三	-	EX				
FOR LAB USE ONLY	MAT	PRESERV	SAMPLING	101	山	쁘				
Lab I.D. Sample I.D. HZZ 4848 HC I EWB	(G)RAB OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER SOIL	STUDGE OTHER. ACID/BASE: ICE / COOL	DATE TIME	1		m l				
15 FLIT @ 3 16 FL 16 @ 3 17 F-47 @ 3 13 FL 18 R 3			1		4					
PLEASE NOTE: Liebility and Damagos. Cardinal's liability and client's auchaptive remaining and All chalms including times for residence and any other clause valuations are similar to an overest street. In no overest street Cardinal to liabilities for incidental or consequential damages, with the constitution of successors are any out of an related to the performance of services hereund Pater 1997. Relinquished By: Date: Time: Delivered By: (Circle One) Sampler - UPS - Bus - Other: 142/b	all be discussed welved unlines stude in undergraphic producting without incredition, huminous rate or by Cardinal, regardless of whether a Received By:	condition and remelved by Continual updates, these dame, or filters of date, or filters of date of the claim is based upon any of the claim is based upon a	relation 20 days after completions of growth incorrect profile inc	the applicable faries days. esult:	☐ Yes	22 No 22 No	Add'l F	hone #: ax #:	1	

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



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/ga/lab accred certif.html.

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

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

Fax To:

Received: 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)

BTEX 8021B	mg,	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	99.0	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	'kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1490	16.0	10/18/2022	ND	448	112	400	3.64	
TPH 8015M	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	94.1	% 46.3-17	8						

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene



Analytical Results For:

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

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	Analyze	d 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	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	912	16.0	10/18/2022	ND	448	112	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	93.1	% 46.3-17	8						

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Celey D. Keene



Analytical Results For:

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

Fax To:

Received: 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 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	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	10/18/2022	ND	448	112	400	3.64	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	95.0	% 46.3-17	78						

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Celey D. Keine



Analytical Results For:

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

Fax To:

Received: 10/14/2022 Sampling Date: 10/14/2022

Reported: Sampling Type: 10/19/2022 Soil WELL SPRING PADUCA SWD BOOSTER

Project Name: Sampling Condition: ** (See Notes) Sample Received By: Tamara Oldaker Project Number: NOT GIVEN

Project Location: MEWBOURNE - RURAL JAL

Sample ID: WW 5 (H224856-04)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	10/18/2022	ND	448	112	400	3.64	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	85.9	26 46.3-17	8						

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Celey D. Keene



Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

*** Insufficient time to reach temperature.

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

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

Cardinal Laboratories *=Accredited Analyte

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Celeg D. Freene

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ARDINAL LABORATORIES

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Etech Environmental & Safety Solutions		All	L 10			ANALYSIS R	REQUEST
Project Manager: Lanc yenshew		P.O. #:					
Address: 2617 West Marland		Company: M	ewboorn	1			
City: Hobbs State: NM Zip: 882		Attn: Conner					
Phone #: (575) 264-9884 Fax #:		Address: (/ 0)	OF BUS POUR BLUX				
Project #: Project Owner: Meube	u-h	City: Lob	167	1	3	<u>B</u>	
Project Name: Well Sprans Paduca SWD Broster		State: //h		de	(8015M)	(8021B	
Project Location: RIM Ja! NM Sampler Name: Dominic Casale 2		Phone #:		Chloride	30	8	
Sampler Name: Dominic Casaler		Fax #:		三	3		
FOR LAB USE ONLY	MATRIX	PRESERV.	SAMPLING	10	TPH	BTEX	
	GROUNDWATER WASTEWATER SOIL BIL	OTHER. ACID/BASE: ICE / COOL OTHER:	DATE TIME		_	m	
20 15219 @4			101/4 251	/	/		
1519 @ 4 251 20 @ 4 3 FL 21 @ 4 4 W W 5				1			
PLEASE NOTE: Liability and Damagoe. Cardinal's liability and client's exclusive remody for any claim artising				1	V	9	

PLEASE NOTE: Linblifty and Damages. Cardinat's fielbility 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 analysis. All obtains including those fire negligence and any other cause whetever shall be deerined welved unless mode in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall be for incidental to consequented damages, including without firence, business interruptions, loss of use, or loss of use, or loss of profile incurrent by client, its subsidiaries at littles 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 resears or otherwise.

Relinquished By:	Date: / date	Received By:	Phone Result:	☐ Yes	Z No	Add'i Phone #:
11/11/11	10.01		Fax Result:	☐ Yes	Z No	Add'l Fax #:
1/ km/th-	Time: 7 - (- James Allera X 14	REMARKS:			and the second s
001111110	C.0 1	January very	-			
Relinquished By:	Date:	Received By:	email resu	ilts		
	Time:					
Delivered By: (Circle One)		#1/2 Sample Condition CHECKED BY:				
		Sample Condition CHECKED BY:				
Sampler - UPS - Bus - Other 10	0/1	O Yes Yes	1			
Sampler - UPS - Bus - Other: 28	10/27.5	DE NOTINO				
	1					

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



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/ga/lab accred certif.html.

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

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

Received: 10/20/2022

Sampling Date: 10/20/2022

Reported: 10/28/2022 Sampling Type: Soil

Project Name: WELL SPRING PADUCA SWD BOOSTER Project Number: 16824

** (See Notes) Sampling Condition: Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE - RURAL JAL

Sample ID: EW 6 (H224951-01)

BTEX 8260B	mg,	/kg	Analyze	d 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	% 83.7-11	4						
Surrogate: Toluene-d8	103	% 95.3-10	7						
Surrogate: 4-Bromofluorobenzene	97.3	% 50.9-15	0						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	10/26/2022	ND	400	100	400	7.69	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	146	% 46.3-17	8						

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Celey D. Keine



Analytical Results For:

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

Fax To:

Received: 10/20/2022 Sampling Date: 10/20/2022

Reported: Sampling Type: 10/28/2022 Soil

Project Name: WELL SPRING PADUCA SWD BOOSTER Sampling Condition: ** (See Notes) Sample Received By: Project Number: 16824 Tamara Oldaker

Project Location: MEWBOURNE - RURAL JAL

Sample ID: WW 6 (H224951-02)

BTEX 8260B	mg,	/kg	Analyze	d 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	% 83.7-11	4						
Surrogate: Toluene-d8	98.7	% 95.3-10	7						
Surrogate: 4-Bromofluorobenzene	100	% 50.9-15	0						
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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	158	% 46.3-17	8						

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Celey D. Keene



Analytical Results For:

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

Fax To:

Received: 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

Analyzed By: MS

Project Location: MEWBOURNE - RURAL JAL

mg/kg

Sample ID: EW 7 (H224951-03)

BTEX 8260B

DILX 0200D	ilig	r kg	Allalyze	u by. 143					
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	% 83.7-11	4						
Surrogate: Toluene-d8	97.6	% 95.3-10	7						
Surrogate: 4-Bromofluorobenzene	99.4	% 50.9-15	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed 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	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	131	% 46.3-17	8						

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Analytical Results For:

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

Fax To:

Received: 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

Analyzed By: MS

Project Location: MEWBOURNE - RURAL JAL

mg/kg

Sample ID: EW 8 (H224951-04)

BTEX 8260B

DIEX OZOOB	9	119	Allalyzo	a 571115					
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	% 83.7-11	4						
Surrogate: Toluene-d8	99.2	% 95.3-10	07						
Surrogate: 4-Bromofluorobenzene	99.2	% 50.9-15	70						
Chloride, SM4500CI-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	10/26/2022	ND	400	100	400	7.69	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 45.3-16	51						
Surrogate: 1-Chlorooctadecane	126	% 46.3-17	78						

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Analytical Results For:

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

Fax To:

Received: 10/20/2022 Sampling Date: 10/20/2022

Reported: Sampling Type: 10/28/2022 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 2 (H224951-05)

BTEX 8260B	mg	/kg	Analyze	d 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	% 83.7-11	4						
Surrogate: Toluene-d8	98.8	% 95.3-10	17						
Surrogate: 4-Bromofluorobenzene	99.0	% 50.9-15	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	10/26/2022	ND	400	100	400	7.69	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	132	% 46.3-17	<i>'</i> 8						

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Analytical Results For:

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

Fax To:

Received: 10/20/2022 Sampling Date: 10/20/2022

Reported: Sampling Type: 10/28/2022 Soil

Project Name: WELL SPRING PADUCA SWD BOOSTER Sampling Condition: ** (See Notes) Project Number: Sample Received By: Tamara Oldaker 16824

Project Location: MEWBOURNE - RURAL JAL

Sample ID: NW 3 (H224951-06)

BTEX 8260B	mg,	/kg	Analyze	d 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	% 83.7-11	4						
Surrogate: Toluene-d8	99.1	% 95.3-10	7						
Surrogate: 4-Bromofluorobenzene	100	% 50.9-15	0						
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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	115	% 46.3-17	8						

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Analytical Results For:

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

Fax To:

Received: 10/20/2022 Sampling Date: 10/20/2022

Reported: Sampling Type: 10/28/2022 Soil

Project Name: WELL SPRING PADUCA SWD BOOSTER Sampling Condition: ** (See Notes) Sample Received By: Project Number: 16824 Tamara Oldaker

Project Location: MEWBOURNE - RURAL JAL

Sample ID: SW 1 (H224951-07)

BTEX 8260B	mg	/kg	Analyze	d 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	% 83.7-11	4						
Surrogate: Toluene-d8	99.5	% 95.3-10	17						
Surrogate: 4-Bromofluorobenzene	99.8	% 50.9-15	0						
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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	118	% 46.3-17	<i>'</i> 8						

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Celey D. Keene



Analytical Results For:

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

Fax To:

Received: 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

Analyzed By: MS

Project Location: MEWBOURNE - RURAL JAL

mg/kg

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

BTEX 8260B

BIEN GEGGE	9/	1.5	Analyzo	.u 5 y					
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	96.8	% 83.7-11	4						
Surrogate: Toluene-d8	101	% 95.3-10	7						
Surrogate: 4-Bromofluorobenzene	97.6	% 50.9-15	0						
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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	100	% 46.3-17	8						

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Analytical Results For:

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

Fax To:

Received: 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

Analyzed By: MS

Project Location: MEWBOURNE - RURAL JAL

mg/kg

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

BTEX 8260B

	<u> </u>								
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	% 83.7-11	4						
Surrogate: Toluene-d8	101	% 95.3-10	17						
Surrogate: 4-Bromofluorobenzene	96.9	% 50.9-15	0						
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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	107	% 46.3-17	78						

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Analytical Results For:

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

Fax To:

Received: 10/20/2022 Sampling Date: 10/20/2022

Reported: Sampling Type: 10/28/2022 Soil

Project Name: WELL SPRING PADUCA SWD BOOSTER Sampling Condition: ** (See Notes) Project Number: 16824 Sample Received By: Tamara Oldaker

MEWBOURNE - RURAL JAL Project Location:

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	% 83.7-11	4						
Surrogate: Toluene-d8	99.1	% 95.3-10	7						
Surrogate: 4-Bromofluorobenzene	99.5	% 50.9-15	0						
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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	106	% 46.3-17	8						

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Celey D. Keine



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND

HOBBS NM, 88240

Fax To:

Received: 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 13 (H224951-11)

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

Sample ID: FL 15 (H224951-12)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	10/26/2022	ND	400	100	400	7.69	

Sample ID: FL 18 (H224951-13)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	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 %	² / ₆ 45.3-16	1						
Surrogate: 1-Chlorooctadecane	108 9	% 46.3-17	8						

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Celey D. Keene



Analytical Results For:

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

Fax To:

Received: 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

Analyzed By: MS

Project Location: MEWBOURNE - RURAL JAL

mg/kg

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

BTEX 8260B

DILX 0200D	ilig	r kg	Allalyze	a by. 143					
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	% 83.7-11	4						
Surrogate: Toluene-d8	98.3	% 95.3-10	17						
Surrogate: 4-Bromofluorobenzene	99.1	% 50.9-15	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed 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	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	105	% 46.3-17	<i>'8</i>						

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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: **(

Project Name: WELL SPRING PADUCA SWD BOOSTER Sampling Condition: ** (See Notes)
Project Number: Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: MEWBOURNE - RURAL JAL

mg/kg

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

BTEX 8260B

DIEX CECCE	9/	1.5	Allalyzo	u 571110					
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	% 83.7-11	4						
Surrogate: Toluene-d8	99.5	% 95.3-10	07						
Surrogate: 4-Bromofluorobenzene	96.7	% 50.9-15	50						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed 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	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 45.3-16	51						
Surrogate: 1-Chlorooctadecane	118 9	% 46.3-17	78						

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Analytical Results For:

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

Fax To:

Received: 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

Analyzed By: MS

Project Location: MEWBOURNE - RURAL JAL

mg/kg

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

BTEX 8260B

D1LX 0200D	ilig/	, kg	Allalyze	a by. 143					
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	% 83.7-11	4						
Surrogate: Toluene-d8	102	% 95.3-10	7						
Surrogate: 4-Bromofluorobenzene	95.6	% 50.9-15	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed 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	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	121	% 46.3-17	8						

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Analytical Results For:

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

Fax To:

Received: 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

Analyzed By: MS

Project Location: MEWBOURNE - RURAL JAL

mg/kg

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

BTEX 8260B

BIEN GEGGE	9	1.5	Analyzo	u 571110					
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	% 83.7-11	4						
Surrogate: Toluene-d8	101	% 95.3-10	7						
Surrogate: 4-Bromofluorobenzene	96.7	% 50.9-15	0						
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	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	118	% 46.3-17	8						

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Analytical Results For:

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

Fax To:

Received: 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

Analyzed By: MS

Project Location: MEWBOURNE - RURAL JAL

mg/kg

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

BTEX 8260B

B I E R O E O O D	9	1.5	Analyzo	u 571110					
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	% 83.7-11	4						
Surrogate: Toluene-d8	101	% 95.3-10	7						
Surrogate: 4-Bromofluorobenzene	97.7	% 50.9-15	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed 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	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	129	% 46.3-17	8						

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Analytical Results For:

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

Fax To:

Received: 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

Analyzed By: MS

Project Location: MEWBOURNE - RURAL JAL

mg/kg

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

BTEX 8260B

	<u> </u>			,					
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	% 83.7-11	4						
Surrogate: Toluene-d8	101	% 95.3-10	07						
Surrogate: 4-Bromofluorobenzene	97.7	% 50.9-15	70						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed 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	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 45.3-16	51						
Surrogate: 1-Chlorooctadecane	117 9	% 46.3-17	78						

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Analytical Results For:

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

Fax To:

Received: 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

Analyzed By: MS

Project Location: MEWBOURNE - RURAL JAL

mg/kg

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

BTEX 8260B

DIEX CECCE	9/	119	Allalyzo	u 571110					
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	% 83.7-11	4						
Surrogate: Toluene-d8	101	% 95.3-10	07						
Surrogate: 4-Bromofluorobenzene	96.2	% 50.9-15	10						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed 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	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 45.3-16	51						
Surrogate: 1-Chlorooctadecane	114 9	% 46.3-17	78						

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Celey D. Keene



Analytical Results For:

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

Received: 10/20/2022 Sampling Date: 10/20/2022 Reported: Sampling Type: 10/28/2022 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 32 @ 4 (H224951-22)

BTEX 8260B	mg,	/kg	Analyze	d 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	% 83.7-11	4						
Surrogate: Toluene-d8	102	% 95.3-10	7						
Surrogate: 4-Bromofluorobenzene	96.4	% 50.9-15	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	10/26/2022	ND	400	100	400	7.69	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	123	% 46.3-17	8						

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Celey D. Keene



Analytical Results For:

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

Fax To:

Received: 10/20/2022 Sampling Date: 10/20/2022

Reported: Sampling Type: 10/28/2022 Soil

Project Name: WELL SPRING PADUCA SWD BOOSTER Sampling Condition: ** (See Notes) Project Number: Tamara Oldaker 16824 Sample Received By:

MEWBOURNE - RURAL JAL Project Location:

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

BTEX 8260B	mg,	/kg	Analyze	d 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	% 83.7-11	4						
Surrogate: Toluene-d8	98.2	% 95.3-10	7						
Surrogate: 4-Bromofluorobenzene	101	% 50.9-15	0						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	10/26/2022	ND	400	100	400	7.69	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	127	% 46.3-17	8						

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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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Received by OCD: 7/19/2024 2:02:00 PM

(E)

- ARDINAL LABORATORIES

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name	Etech Environmental & Safety Solu	tions						1	1	alii As	BI	LL:	ro	200					ANA	ALYSIS REQUEST	
Project Manage								P.	O. 1						T						
Address: 261	7 West Marland							C	omp	any	1:14	lev	600	11							
City: Hobbs	State: NM	Zi	o: 88	3240)			A	ltn:	Coo	400	, Wi	IKE	V							
Phone #: (575)) 264-9884 Fax #:							A	ddre	955:	48	01 60	5 14	KHU							
Project #: 168		er: //	104	bo	ver			C	ity:	h	tob	165			1	15		m	1		
	Well Spring Paduca SI	0	Box	3+	e			_				Zip:			e	5		12			
Project Location									none	1		1			Chloride	TPH (8015M)		(8021B)			
Sampler Name:								F	X #						1 =	(8)					
FOR LAB USE ONLY		T	T		B	MATE	XIX		PR	ESI	RV.	SA	MPL	ING	O	I		BTEX			
Lab I.D. H224951 OC 1 2 3	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:		ATE	TIME		I		BI			
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5	EW7					1															
4	EV8					11		_	1							11	1				
5	NWZ	1						-	1	_						11	11				-
4	NW3 SWI	1					-	-		-					-	11	-				-
7	SWI	1	-			-	-	-	-	-	H	-				-	1	-			+
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Relinquished B	ong out of a related to the performance of services hereunder by: Date: /0 20 Time: 4 16	R	ecei	ved	PV:	le su	th chain	L L	le de la constante de la const	On an	y of the	L shows	A/C	Phone Re Fax Resu REMARK	esult: ult:			2	The second second second	i'l Phone #: I'l Fax #:	
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	Time:		117	_					,	-		ED B									

(Initials)

Cool Intact
Yes Yes
No No

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Released to Imaging: 8/1/2024 1:17:45 PM

A

ARDINAL LABORATORIES

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

Company Name	e: Etech Environmental & Safety Solu	tions						ir.		All	LL TO					ANALYSIS	REQUEST	
Project Manage								P.O.			77.14					ARALIGIO	KLQ0L5.	
Address: 261	7 West Marland							Com	pany	:M	len pour	'n						
City: Hobbs	State: NM	Zij	0: 88	324	0			Atth:	Con	ac	walk							
Phone #: (575								Addr	ess:	4	480	bos du						
Project #: 16	824 Project Own Wellspring Padvic SWD	er: M	eh	160	UVN			City:	1	106	665			2	00			
Project Name:	Wellspring padvice SWD	Boo	0	101	-			State					g e	15	12			
Project Locatio	in: Rural Lea co							Phon	ie #:				Chloride	80	x (8021B)			
Sampler Name:	Dominic Casave	2						Fax 1	E				三	=	X			
FOR LAB USE ONLY					M	ATRI	X	PI	RESE	RV.	SAMPL	NG	10	PH	втех			
Lab I.D. HZZ 4951 DC 11	Sample I.D.	(G)RAB OR (C)OM	# CONTAINERS	GROUNDWATER	WASTEWATER	100	SLUDGE	OTMER ACID/BASE	ICE / COOL	OTHER	DATE	TIME		-	æ			
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12	FL15	-	_			-		_	-		- 1		V					
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Received by OCD: 7/19/2024 2:02:00 PM

ARDINAL LABORATORIES

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name	Etech Environmental & Safety Solut	ons							BIL	41	ro						ANA	LYSI	SRE	EQUE	ST	
Project Manage	er: Lanc Crenshay	_				1	P.O. 1	K:									T					
Address: 261	7 West Marland						Comp	any	1	lew	bov	rn	1									
City: Hobbs	State: NM	Zip: {	3824	10		1	Attn:	Con	ine	enh	valo	cer										
Phone #: (575) 264-9884 Fax #:											une blue				and the same of th						
	324 Project Owne	r. Ma	ewe	6000	rn		City:	1	100	665	1			3	00			- Company				
Project Name:	Wellspring Busuce SW	DB	005	401	-		State						10	(8015M)	(8021B)			The same of the sa				
Project Locatio							Phon						Chloride	000	80			1				
Sampler Name:		2					ax#			3			글	9	×			and the same of				
FOR LAB USE ONLY					MATRI)	(PF	ESE	RV.	SA	WPL	NG	10	TPH	EX							
Lab I.D. H224951	Sample I.D.	(G)RAB OR (C)OM	GROUNDWATER	WASTEWATER	SOIL	SLUDGE	ACID/BASE:	ICE / COOL	OTHER:	DA	ATE	TIME		_	BT							
DC 15	FL25 QU						1			10	20	416	1/	/	/							
16	FL 25 @ 4 FL 26 @ 4 FL 27 @ 4									1			15	4	1							
17	FL27 Q4		1				1		1	1							-	-	-			_
18	FL 28 Q 4	H	+	-			+		-	1			+	-			-				1	
70	6130 Q 4	11	1				1						11	1						-		
7.1	FL 31 Q 4									1			11									
7.7	FL32@4	\Box												1								
	FC 33 @ 4									1	1				11							
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Dorth	Time: 41600	o Jamora	March	Fax Result: REMARKS:	☐ Yes	2 No	Add'l Fax #:	
Relinquished By:	Date:	Received By:	(cotto)	email resu	ults			
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Sampler - UPS - Bus - Other: 24	40/25.	Se No No No	To.					

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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/ga/lab accred certif.html.

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

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

Fax To:

Received: 10/24/2022 Sampling Date: 10/24/2022

Reported: 10/26/2022 Sampling Type: Soil
Project Name: WELL SPRING PADUCA SWD BOOSTER Sampling Condition: ** (

Project Name: WELL SPRING PADUCA SWD BOOSTER Sampling Condition: ** (See Notes)
Project Number: 16824 Sample Received By: Tamara Oldaker

Applyand By 14

Project Location: MEWBOURNE - RURAL JAL

ma/ka

Sample ID: EW 10 (H225002-01)

DTEV 0021D

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	89.1	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	10/26/2022	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	112 9	% 46.3-17	8						

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Analytical Results For:

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

Fax To:

Received: 10/24/2022 Sampling Date: 10/24/2022

Reported: 10/26/2022 Sampling Type: Soil
Project Name: WELL SPRING PADUCA SWD BOOSTER Sampling Condition: **(

Project Name: WELL SPRING PADUCA SWD BOOSTER Sampling Condition: ** (See Notes)
Project Number: 16824 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: MEWBOURNE - RURAL JAL

mg/kg

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

BTEX 8021B

	9,	9	7	7: 5::					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed 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	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	116	% 46.3-17	8						

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Celey D. Keene



Analytical Results For:

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

Fax To:

Received: 10/24/2022 Sampling Date: 10/24/2022

Reported: Sampling Type: 10/26/2022 Soil

Project Name: WELL SPRING PADUCA SWD BOOSTER Sampling Condition: ** (See Notes) Project Number: Tamara Oldaker 16824 Sample Received By:

MEWBOURNE - RURAL JAL Project Location:

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

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 69.9-14	0						
Chloride, SM4500CI-B	mg/	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1260	16.0	10/26/2022	ND	416	104	400	3.77	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	107 9	2% 46.3-17	8						

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Analytical Results For:

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

Analyzed By: JH

10/24/2022

mg/kg

Sampling Date: 10/24/2022

Reported: 10/26/2022
Project Name: WELL SPRING PADUCA SWD BOOSTER

Received:

BTEX 8021B

Sampling Type: Soil

Project Number: 16824

Sampling Condition: Sample Received By: ** (See Notes)
Tamara Oldaker

Project Location: MEWBOURNE - RURAL JAL

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

DILX GOZID	ıııg,	, kg	Andryzo	u by. 511					
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	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	10/26/2022	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	111 9	% 46.3-17	8						

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Analytical Results For:

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

Fax To:

 Received:
 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

Applyzod By: 14

Project Location: MEWBOURNE - RURAL JAL

ma/ka

Sample ID: NW 4 (H225002-05)

RTFY 8021R

BIEX 8021B	mg/	кg	Analyze	а ву: ЈН					
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	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	10/26/2022	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	113 9	% 46.3-17	8						

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Analytical Results For:

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

Fax To:

Received: 10/24/2022 Sampling Date: 10/24/2022

Reported: Sampling Type: 10/26/2022 Soil

Project Name: WELL SPRING PADUCA SWD BOOSTER Sampling Condition: ** (See Notes) Tamara Oldaker Project Number: 16824 Sample Received By:

MEWBOURNE - RURAL JAL Project Location:

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

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1410	16.0	10/26/2022	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	108 9	% 46.3-17	8						

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Analytical Results For:

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

Received: 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

Applyzod By: 14

Project Location: MEWBOURNE - RURAL JAL

ma/ka

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

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1120	16.0	10/26/2022	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	118	% 46.3-17	8						

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Celey D. Keene



Analytical Results For:

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

Received: 10/24/2022 Sampling Date: 10/24/2022

Reported: 10/26/2022 Sampling Type: Soil
Project Name: WELL SPRING PADUCA SWD BOOSTER Sampling Condition: **(

Project Name: WELL SPRING PADUCA SWD BOOSTER Sampling Condition: ** (See Notes)
Project Number: 16824 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: MEWBOURNE - RURAL JAL

mg/kg

Sample ID: SW 2 (H225002-08)

BTEX 8021B

	<u> </u>			. ,					
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	% 69.9-14	0						
Chloride, SM4500CI-B	mg/kg		Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	10/26/2022	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	114	% 46.3-17	8						

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Analytical Results For:

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

Fax To:

Received: 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

Analyzed By: JH

Project Location: MEWBOURNE - RURAL JAL

mg/kg

Sample ID: EW 9 (H225002-09)

BTEX 8021B

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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	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	10/26/2022	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	128	% 46.3-17	8						

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Celey D. Keene



Analytical Results For:

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

Fax To:

Received: 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

Analyzed By: JH

Project Location: MEWBOURNE - RURAL JAL

mg/kg

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

BTEX 8021B

DILX GOZID	iiig/	, kg	Allulyzo	.u Dy. 311					
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	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	672	16.0	10/26/2022	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	112 9	% 46.3-17	8						

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Celey & Keene



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

Analyzed By: JH

Project Location: MEWBOURNE - RURAL JAL

mg/kg

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

BTEX 8021B

DILX GOZID	ıııg,	, kg	Allulyzo	.u Dy. 311					
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	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	544	16.0	10/26/2022	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	118	% 46.3-17	8						

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Celey D. Keene



Analytical Results For:

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

Fax To:

Received: 10/24/2022 Sampling Date: 10/24/2022

Reported: Sampling Type: 10/26/2022 Soil

Project Name: WELL SPRING PADUCA SWD BOOSTER Sampling Condition: ** (See Notes) Project Number: 16824 Sample Received By: Tamara Oldaker

MEWBOURNE - RURAL JAL Project Location:

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

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	10/26/2022	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	117	% 46.3-17	8						

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Celey D. Keene



Analytical Results For:

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

Fax To:

Received: 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

Analyzed By: JH

Project Location: MEWBOURNE - RURAL JAL

mg/kg

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

BTEX 8021B

	9,	9	7	7: :					
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	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	704	16.0	10/26/2022	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	95.5	% 46.3-17	8						

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Celey & Keene



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

Analyzed By: JH

Project Location: MEWBOURNE - RURAL JAL

mg/kg

Sample ID: EW 11 (H225002-14)

BTEX 8021B

	9/	9	7111411720						
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	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	10/26/2022	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	116	% 46.3-17	8						

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Celey D. Keene



Analytical Results For:

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

Received: 10/24/2022 Sampling Date: 10/24/2022

Reported: 10/26/2022 Sampling Type: Soil
Project Name: WELL SPRING PADUCA SWD BOOSTER Sampling Condition: **(

Project Name: WELL SPRING PADUCA SWD BOOSTER Sampling Condition: ** (See Notes)
Project Number: 16824 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: MEWBOURNE - RURAL JAL

mg/kg

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

BTEX 8021B

	9/	9	7	7: 5::					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 69.9-14	0						
Chloride, SM4500CI-B	mg/kg		Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	912	16.0	10/26/2022	ND	416	104	400	3.77	
TPH 8015M	mg/	'kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	112 9	26 46.3-17	8						

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Celey D. Keine



Tamara Oldaker

Sample Received By:

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

Project Location: MEWBOURNE - RURAL JAL

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

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/26/2022	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	114	% 46.3-17	8						

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

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

Fax To:

Received: 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

Analyzed By: JH

Project Location: MEWBOURNE - RURAL JAL

mg/kg

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

BTEX 8021B

DILX GOZID	ıııg,	, kg	Andryzo	u by. 511					
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	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	672	16.0	10/26/2022	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	116	% 46.3-17	8						

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Celey D. Keene



Analytical Results For:

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

Fax To:

Received: 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

Analyzed By: JH

Project Location: MEWBOURNE - RURAL JAL

mg/kg

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

BTEX 8021B

	9,	9	7	7: 5::					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 69.9-14	0						
Chloride, SM4500CI-B	mg/kg		Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	10/26/2022	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	120	% 46.3-17	8						

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Celey D. Keene



Analytical Results For:

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

Fax To:

Received: 10/24/2022 Sampling Date: 10/24/2022 Reported: Sampling Type: 10/26/2022 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 43 @ 4 (H225002-19)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 69.9-14	0						
Chloride, SM4500CI-B	mg/	'kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	672	16.0	10/26/2022	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	108 5	% 46.3-17	8						

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Celey D. Keene



Analytical Results For:

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

Fax To:

Received: 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

Analyzed By: JH

Project Location: MEWBOURNE - RURAL JAL

mg/kg

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

BTEX 8021B

	9/	9	7	7 5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 69.9-14	0						
Chloride, SM4500CI-B	mg/kg		Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	672	16.0	10/26/2022	ND	416	104	400	3.77	
TPH 8015M	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	98.2	% 46.3-17	8						

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Celeg & Frence



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

Analyzed By: JH

Project Location: MEWBOURNE - RURAL JAL

mg/kg

Sample ID: WW 7 (H225002-21)

BTEX 8021B

DILX GOZID	ıııg,	, kg	Andryzo	u by. 511					
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	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	10/26/2022	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	93.9	% 46.3-17	8						

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Celey D. Keine



Analytical Results For:

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

Fax To:

Received: 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

Analyzed By: JH

Project Location: MEWBOURNE - RURAL JAL

mg/kg

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

BTEX 8021B

	9,	9	7	7: :					
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	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/26/2022	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	96.9	% 46.3-17	8						

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Celey D. Keine



Analytical Results For:

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

Fax To:

Received: 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

Analyzed By: JH

Project Location: MEWBOURNE - RURAL JAL

mg/kg

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

BTEX 8021B

DILX GOZID	mg/	ng .	Alldiyzo	.u by. 511					
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	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	10/26/2022	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	93.8	% 46.3-17	8						

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Analytical Results For:

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

Fax To:

Received: 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

Analyzed By: JH

Project Location: MEWBOURNE - RURAL JAL

mg/kg

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

BTEX 8021B

	9,	9	7	7: :					
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	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/kg		Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	10/26/2022	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	86.7	% 46.3-17	8						

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Analytical Results For:

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

Fax To:

Received: 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

Applyzod By: 14

Project Location: MEWBOURNE - RURAL JAL

ma/ka

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

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 69.9-14	0						
Chloride, SM4500Cl-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	736	16.0	10/26/2022	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	77.9	% 46.3-17	8						

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Analytical Results For:

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

Fax To:

Received: 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

Analyzed By: JH

Project Location: MEWBOURNE - RURAL JAL

mg/kg

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

BTEX 8021B

	9/	9	7111411720	,					
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	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	10/26/2022	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	89.0	% 46.3-17	8						

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Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

*** Insufficient time to reach temperature.

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

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

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7/19/2024 2:02:00 PM

Received by OCD:

ARDINAL LABORATORIES

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name	e: Etech Environmental & Safety Solut	ons							-3	8	ILL	10					ANAL	YSIS I	REQU	EST		
Project Manage	or: Lancerenshaw							P.0	D. #!:												1	
	7 West Marland							Co	mpa	ny:/	444	DOUTE								1	-	
City: Hobbs	State: NM	Zir	o: 8	824	()							alker		1							distance of	1
Phone #: (575				02					-			W PAIR										
	824 Project Owne	-14	Pul	B	ure	,		Cit	v	166	65	V roca	Que		5	0						
Project Name:	Well string Paduca SWO	B	CON S	4	00	-				M				0	2	2				1		
	n: Rural Jal	-	2						one		2-17			Chloride	01	80					and the same of th	
Sampler Name:	<u> </u>	_	-	-				-	C#:	W.				1을	00	0						
FOR LAB USE ONLY	DOWNIE COSAVE	T	1	T	1	MATR	IX			SERV	1	SAMPLI	NG	15	I							
H225002 Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	SLUDGE	OTHER	ACID/BASE:	ICE / COOL		DATE	TIME		TF T	BTEX (8021B)						
DC 1	ENIO										100	24		1	/							
2	EN 10					1			1			1		1	1	1						
3	FL41@4					1	-				-	1		11								
4	FL 4902									-	_			11		1				-	-	
5	NW4					1			1													
	FL 48@ 4													11	1							
7	FL 47 E LI									1	11			11						-		
8	5W2										П			1								
9	ENT										1	1		1	1							
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Relinquished By:	Date:/0 24	Received By:	11/1/	Phone Result: Fax Result:	☐ Yes		Add'! Phone #: Add'! Fax #:
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Delivered By: (Circle One)		#//3 Sample Condition Cool Intact	CHECKED BY: (Initials)				ada 10 25 55.
Sampler - UPS - Bus - Other: 19.4	16/18.8	Yes Yes	40				

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

7/19/2024 2:02:00 PM

Received by OCD:

E

ARDINAL LABORATORIES

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name	Etech Environmental & Safety Soluti	ions				B	LL TO					A	NALYS	S REC	DUEST		
Project Manage	H: Lanc Crenshaw				P.O.		-										
	7 West Marland				Com	pany:	levboure	1	1							The state of the s	
City: Hobbs	State: NM	Zip: 88	240				1 Walk									Photograms	
Phone #: (575)					Addn	ess: 44	301 bus Pa	K BIVL					Ì				
the same of the sa	82 4 Project Owne	Mew	DUTTE			Heb				3	m						
Project Name:	Wellspring Paduca Swe	Boes	401	Handrag Warren . A A Appelo		NM			e	5	2	-	1				1
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Sampler Name:	^	2			Fax #	:			글	3	X	- 1					
FOR LAB USE ONLY			N	IATRIX	PF	RESERV	SAMPLI	NG	0	프	(H)						
H225007 Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP # CONTAINERS	GROUNDWATER	SOIL	OTHER ·	ICE/COOL OTHER.	DATE	TIME		1	BTEX (8021B)						
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13	FL3884																
14	EWIL																
(5)	FL 42BY																
16	FLS10,2																
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PLEASE NOTE: Linkflity and Descripte. Cardinal's liability and client's exclusive remedy for any chain entring whether based in contract or text, shall be limited to the amount paid by the client for the major and received by Cardinal waters 30 days after consequences of the applicable of the applicable in no events shall Cardinal be limited in sciciostal or consequental changes, including without females, business interruptions, loss of use, or been of pretite immentally elimite, its additional or successors enterruption and or related to the performance of services becaused by Cardinal performance of services are entered by Cardinal engagement.

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17 11-	1624			Fax Result:	☐ Yes	ZI No	Add'l Fax #:
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Delivered By: (Circle One)		#// Sample Condition	CHECKED BY:			1)v	/ 10
	0/	Cool intact	(Initials)			V	
Sampler - UPS - Bus - Other: 10	110/185	Yes Yes	40.				
	.49/0,0	e No No	N.				

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

ARDINAL LABORATORIES

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Martand, Hobbs, NM 88240 2111 Beechwood, Abiliane, TK 79603 (506) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325)672-7020

Company Name: Etech Environmental & Safety Solu	IMIC	BILLTO		ANALYSIS REQUEST
Project Manager: LANCETENShaw		P.O. #		
Address: 2617 West Mariand		Company Mer been		
	Zip: 88240	Attor Conner you We!		
Phone #: (575) 264-9884 Fax #.		Address 4 M Park Bill		
Project #: 16824 Project China	Mewbourn	City Holds	(8015M) (8021B)	
Project Hame: Well SPrins Paduce SWD		The state of the s	2 5 E	
Project Location: Rural Jal	The second secon	Phone 8:	Chloride H (8015 EX (802	
Sampler Name: Dominic Casarez	-	Fax 8:	일 W	
PRUMISSON	BAATRIX	PRESERV SAMPLING	TPH (Ch	
H225002 Lab I.D. Sample I.D.	IG)RAE OF LOOM IS CONTAINERS GROUNDWATER WASTEINATER SCIL	ACID/BASE ICE COOL OTHER	F 80	
DC FLUS		10/24	444	- Duplicate y
21 WW7			+ + + + +	- Duplicate 10/25
23 FL 45 C 4				- Duplicate 101
20 FL 34 R 4				
23 FLYS @ 4 25 FLYS @ 2 24 FL34 @ 4 25 FL36 @ 4				
			V 1 6	

PLEASE NOTE: (analysis of Duringes). Continues address container month to use of the second month of the stand to the stan

Relinquished By:	Tiene: 48 Date.	Received by:	Makyl	Phone Result: Fax Result: REMARKS email resu	O Yes O Yes	22 Mo	Add'l Phone & Add'l Fax 9:
Delivered By: (Circle One) Sampler UPS Bus Other	1940/18.	8° No No	CHECKED BY-				W P

[†] Cardinal cannot accept verbal changes. Please fax written changes to 505-3\$3-2476



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/ga/lab accred certif.html.

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

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

Fax To:

Received: 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)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	95.1	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	10/26/2022	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	106	% 46.3-17	8						

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene



Analytical Results For:

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

Fax To:

Received: 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

Applyzod By: 14

Project Location: MEWBOURNE - RURAL JAL

ma/ka

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

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	92.6	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/26/2022	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	110	% 46.3-17	8						

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Celey D. Keene



Analytical Results For:

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

Received: 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

Applyzod By: 14

Project Location: MEWBOURNE - RURAL JAL

ma/ka

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

RTFY 8021R

Result <0.050 <0.050 <0.050	Reporting Limit 0.050 0.050	Analyzed 10/26/2022 10/26/2022	Method Blank	BS 2.27	% Recovery	True Value QC	RPD	Qualifier
<0.050			ND	2 27				
	0.050	10/26/2022		2.21	113	2.00	4.69	
<0.050		10/20/2022	ND	2.12	106	2.00	3.50	
	0.050	10/26/2022	ND	2.07	103	2.00	2.76	
<0.150	0.150	10/26/2022	ND	6.16	103	6.00	2.86	
<0.300	0.300	10/26/2022	ND					
92.6	% 69.9-14	0						
mg	/kg	Analyze	d By: AC					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
16.0	16.0	10/26/2022	ND	432	108	400	0.00	
mg,	/kg	Analyze	d By: MS					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<10.0	10.0	10/26/2022	ND	231	116	200	0.223	
<10.0	10.0	10/26/2022	ND	234	117	200	0.202	
<10.0	10.0	10/26/2022	ND					
88.5	% 45.3-16	1						
109	% 46.3-17	8						
	<0.150 <0.300 92.6 mg/ Result 16.0 mg/ Result <10.0 <10.0 <88.5	<0.150 0.150 <0.300 0.300 92.6 % 69.9-14 mg/ky Result Reporting Limit 16.0 16.0 mg/ky Result Reporting Limit <10.0 10.0 <10.0 10.0 <10.0 10.0 <388.5 % 45.3-16	<0.150	<0.150	<0.150	<0.150	<0.150 0.150 10/26/2022 ND 6.16 103 6.00 92.6 % 69.9-140 mg/kg Analyzed By: AC Result Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC 16.0 10/26/2022 ND 432 108 400 mg/kg Analyzed By: MS Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC < 10.0 10.0 10/26/2022 ND 231 116 200 < 10.0 10.0 10/26/2022 ND 234 117 200 < 10.0 10.0 10/26/2022 ND 234 117 200 < 88.5 % 45.3-161	<0.150

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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: Sampling Type: 10/26/2022 Soil

Project Name: WELL SPRING PADUCA SWD BOOSTER Sampling Condition: ** (See Notes) Project Number: Tamara Oldaker 16824 Sample Received By:

Project Location: MEWBOURNE - RURAL JAL

Sample ID: FL 57 @ 2 (H225024-04)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	93.7	% 69.9-14	0						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	10/26/2022	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	108 9	% 46.3-17	8						

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Celey D. Keene



Analytical Results For:

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

Fax To:

Received: 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)

Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD	BTEX 8021B	mg,	/kg	Analyze	ed By: JH					
Toluene* < 0.050	Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
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 93.8 % 69.9-140 Chloride, SM4500Cl-B mg/kg Analyzed By: AC Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Chloride 336 16.0 10/26/2022 ND 432 108 400 0.00 TH 8015M mg/kg Analyzed By: MS Analyte Result Reporting Limit Analyzed By: MS Analyte Result Reporting Limit Analyzed By: MS Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD 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	Benzene*	<0.050	0.050	10/26/2022	ND	2.27	113	2.00	4.69	
Total Xylenes* <0.150 0.150 10/26/2022 ND 6.16 103 6.00 2.86 Total BTEX <0.300	Toluene*	<0.050	0.050	10/26/2022	ND	2.12	106	2.00	3.50	
Total BTEX \$\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Ethylbenzene*	<0.050	0.050	10/26/2022	ND	2.07	103	2.00	2.76	
Surrogate: 4-Bromofluorobenzene (PID 93.8 % 69.9-140 Chloride, SM4500Cl-B mg/ky Analyzed By: AC Wethod Blank BS % Recovery True Value QC RPD Chloride 336 16.0 10/26/2022 ND 432 108 400 0.00 TPH 8015M mg/ky Analyzed By: MS Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD GRO C6-C10* <10.0	Total Xylenes*	<0.150	0.150	10/26/2022	ND	6.16	103	6.00	2.86	
Chloride, SM4500Cl-B mg/kg Analyzed By: AC Analyte Result Reporting Limit Analyzed D10/26/2022 Method Blank BS No Recovery True Value QC RPD Analyzed D20 ND A32 ND Analyzed D32 ND Analyzed D32 ND	Total BTEX	<0.300	0.300	10/26/2022	ND					
Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD 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 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: 4-Bromofluorobenzene (PID	93.8	% 69.9-14	0						
Chloride 336 16.0 10/26/2022 ND 432 108 400 0.00 TPH 8015M mg/kg Analyzed By: MS Method Blank BS % Recovery True Value QC RPD GRO C6-C10* <10.0	Chloride, SM4500Cl-B	mg/	/kg	Analyze	ed By: AC					
TPH 8015M mg/kg Analyzed By: MS Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD GRO C6-C10* <10.0	Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD GRO C6-C10* <10.0 10.0 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	Chloride	336	16.0	10/26/2022	ND	432	108	400	0.00	
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	TPH 8015M	mg	/kg	Analyze	ed By: MS					
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	Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
EXT DRO >C28-C36 <10.0 10.0 10/26/2022 ND Surrogate: 1-Chlorooctane 91.9 % 45.3-161	GRO C6-C10*	<10.0	10.0	10/26/2022	ND	231	116	200	0.223	
Surrogate: 1-Chlorooctane 91.9 % 45.3-161	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-Chlorooctadecane 111 % 46.3-178	Surrogate: 1-Chlorooctane	91.9	% 45.3-16	1						
	Surrogate: 1-Chlorooctadecane	111 9	% 46.3-17	8						

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Celey D. Keene



Analytical Results For:

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

Fax To:

Received: 10/25/2022 Sampling Date: 10/25/2022

Reported: 10/26/2022 Sampling Type: Soil
Project Name: WELL SPRING PADUCA SWD BOOSTER Sampling Condition: **(

Project Name: WELL SPRING PADUCA SWD BOOSTER Sampling Condition: ** (See Notes)
Project Number: Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: MEWBOURNE - RURAL JAL

ma/ka

Sample ID: FL 59 @ 2 (H225024-06)

RTFY 8021R

Result <0.050 <0.050 <0.050	Reporting Limit 0.050 0.050	Analyzed 10/26/2022	Method Blank	BS 2.27	% Recovery	True Value QC	RPD 4.69	Qualifier
<0.050 <0.050		, ,	ND	2.27	113	2.00	4.60	
<0.050	0.050	10/26/2022				=.50	4.09	
		10/26/2022	ND	2.12	106	2.00	3.50	
	0.050	10/26/2022	ND	2.07	103	2.00	2.76	
<0.150	0.150	10/26/2022	ND	6.16	103	6.00	2.86	
<0.300	0.300	10/26/2022	ND					
91.5	% 69.9-140	0						
mg/	kg	Analyze	d By: AC					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
32.0	16.0	10/26/2022	ND	432	108	400	0.00	
mg/	kg	Analyze	d By: MS					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<10.0	10.0	10/26/2022	ND	231	116	200	0.223	
<10.0	10.0	10/26/2022	ND	234	117	200	0.202	
<10.0	10.0	10/26/2022	ND					
94.7	% 45.3-16	7						
	Result 32.0 mg/ Result <10.0 <10.0	32.0 16.0 mg/kg Result Reporting Limit <10.0 10.0 <10.0 10.0	Result Reporting Limit Analyzed 32.0 16.0 10/26/2022 mg/kg Analyze Result Reporting Limit Analyzed <10.0	Result Reporting Limit Analyzed Method Blank 32.0 16.0 10/26/2022 ND mg/kg Analyzed By: MS Result Reporting Limit Analyzed Method Blank <10.0	Result Reporting Limit Analyzed Method Blank BS 32.0 16.0 10/26/2022 ND 432 mg/kg Analyzed By: MS Result Reporting Limit Analyzed Method Blank BS <10.0	Result Reporting Limit Analyzed Method Blank BS % Recovery 32.0 16.0 10/26/2022 ND 432 108 mg/kg Analyzed By: MS Result Reporting Limit Analyzed Method Blank BS % Recovery <10.0	Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC 32.0 16.0 10/26/2022 ND 432 108 400 mg/kg Analyzed By: MS Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC <10.0	Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD 32.0 16.0 10/26/2022 ND 432 108 400 0.00 mg/kg Analyzed By: MS Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD <10.0

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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

Analyzed By: JH

Project Location: MEWBOURNE - RURAL JAL

mg/kg

Sample ID: FL 60 @ 2 (H225024-07)

BTEX 8021B

DILX GOZID	ıııg,	, kg	Andryzo	u by. 511					
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	92.3	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	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	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	103	% 46.3-17	8						

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Analytical Results For:

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

Fax To:

Received: 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)

BTEX 8021B	mg,	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	92.1	% 69.9-14	0						
Chloride, SM4500CI-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	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	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	102	% 46.3-17	78						

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Analytical Results For:

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

Fax To:

Received: 10/25/2022 Sampling Date: 10/25/2022

Reported: Sampling Type: 10/26/2022 Soil

Project Name: WELL SPRING PADUCA SWD BOOSTER Sampling Condition: ** (See Notes) Project Number: Tamara Oldaker 16824 Sample Received By:

Project Location: MEWBOURNE - RURAL JAL

Sample ID: FL 62 @ 2 (H225024-09)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	10/26/2022	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	84.4	% 46.3-17	8						

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Analytical Results For:

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

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 63 @ 2 (H225024-10)

Received:

% Recovery 113 106 103 103	True Value QC 2.00 2.00 2.00 2.00 6.00	4.69 3.50 2.76 2.86	Qualifier
106 103	2.00 2.00	3.50 2.76	
103	2.00	2.76	
103	6.00	2.86	
% Recovery	True Value QC	RPD	Qualifier
108	400	0.00	
% Recovery	True Value QC	RPD	Qualifier
116	200	0.223	
117	200	0.202	
	108 % Recovery 116	108 400 % Recovery True Value QC 116 200	108 400 0.00 % Recovery True Value QC RPD 116 200 0.223

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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 64 @ 2 (H225024-11)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	92.3	% 69.9-14	0						
Chloride, SM4500CI-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	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	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	93.0	% 46.3-17	78						

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Analytical Results For:

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

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)

Received:

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	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	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	92.1	% 46.3-17	8						

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Analytical Results For:

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

Received: 10/25/2022 Reported:

Sampling Date: Soil

10/25/2022

Project Name:

10/26/2022

Sampling Type: Sampling Condition:

** (See Notes)

Project Number:

WELL SPRING PADUCA SWD BOOSTER 16824

Sample Received By:

Tamara Oldaker

Project Location: MEWBOURNE - RURAL JAL

Sample ID: EW 13 (H225024-13)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 %	69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/26/2022	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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 %	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	99.0 9	% 46.3-17	8						

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Analytical Results For:

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

Fax To:

Received: 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

Analyzed By: JH

Project Location: MEWBOURNE - RURAL JAL

mg/kg

Sample ID: SW 3 (H225024-14)

BTEX 8021B

	9/	9	7	7: :					
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	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	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	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	91.5	% 46.3-17	8						

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Celey D. Keine



Analytical Results For:

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

Fax To:

Received: 10/25/2022 Sampling Date: 10/25/2022

Reported: Sampling Type: 10/26/2022 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	Analyze	d 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 %	69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	10/26/2022	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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 9	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	83.7 9	% 46.3-17	8						

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Celey D. Keene



Analytical Results For:

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

Fax To:

Received: 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

Analyzed By: JH

Project Location: MEWBOURNE - RURAL JAL

mg/kg

Sample ID: WW 9 (H225024-16)

BTEX 8021B

DIEX GOZID	iiig/	, kg	Alldiyac	a by. 511					
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	% 69.9-14	0						
Chloride, SM4500CI-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	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	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	86.7	% 46.3-17	8						

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Analytical Results For:

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

Analyzed By: 14

Received: 10/25/2022 Sampling I Reported: 10/26/2022 Sampling I

Project Name: WELL SPRING PADUCA SWD BOOSTER

ma/ka

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)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	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	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	106	% 46.3-17	8						

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Analytical Results For:

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

Fax To:

Received: 10/25/2022 Sampling Date: 10/25/2022

Reported: Sampling Type: 10/26/2022 Soil

Project Name: WELL SPRING PADUCA SWD BOOSTER Sampling Condition: ** (See Notes) Tamara Oldaker Project Number: 16824 Sample Received By:

Project Location: MEWBOURNE - RURAL JAL

Sample ID: WW 11 (H225024-18)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	10/26/2022	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	81.5	% 46.3-17	8						

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Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

*** Insufficient time to reach temperature.

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

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

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Celeg D. Freene

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E

ARDINAL LABORATORIES

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name	Etech Environmental & Safety S	Solutions								B	LL T	Ô	1					ANA	LYSI	S RI	EQUI	EST																								
Project Manage	in Lanc Crenshaw							P.O. #:							1	T	-	T	1	T																										
	7 West Marland							Company: Mew loows																																						
City: Hobbs	State: N	M Zi	o: 88	8240	240				0				40			40			Att	Attn: Conger		er walker								reside times																
Phone #: (575)) 264-9884 Fax #:																																				Ad	iddress:480		1801 Bus Park Blud						
Project #: /68	24 Project O	wner: A	len																													ity: Habos				2	B				-					-
	Wellspring Paduce							State: NM Zis				9 Qe	5	(8021B			-	and the same	-	and a second			-																							
Project Location	n: Roval Jal N.	n						Ph	one	#:				J.	000	80	80																													
Sampler Name:	^	591	10	2				Fa	x #:					Chloride	TPH (8015M	. 1 1			-					-																						
FOR LAB USE ONLY			T		M	ATRI	X		PRE	SER	SAI	WPLH	NG	O	T	TEX																														
Lab I.D. H225024 DC 1	Sample I.D.	(G)RAB OR (C)OM	# CONTAINERS	GROUNDWATER	WASTEWATER	OL OL	SLUDGE	OTHER	ACID/BASE:	ICE / COOL	DĄ	TE	TIME			80																														
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	FL59@2		1		-11	4	-			-	1			1	1	1	-		-	-	-	-																								
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9	FL6302											- 1					1	1	1			1		1	1																					

Relinquished By:	Date: 10-25	Received By:		Phone Result:
LINAL	Time: 4 3 0	m Jaluaras	Water	REMARKS:
Relinquished By:	Date: 7	Received By:		email results
	Time:			Rush Pleas
Delivered By: (Circle One)	- /	#1/3 Sample Condition Cool Intact	CHECKED BY: (Inithals)	1103.1 //2005
Sampler - UPS - Bus - Other:	34,6 c / 24	Oc Yes Yes	Ao.	

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

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ARDINAL LABORATORIES

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name:	Etech Environmental & Safety Soluti	ons						B	ILL TO	4.83					ANAL	SIS F	REQUE	ST		
Project Manager	Lanc Crenshaw						P.O. 1													
	West Marland						Company: Mewbown													
City: Hobbs		Zip:	882	40			Attn:	Conn	ier walk	er										
Phone #: (575)									sal bio fav								-	and the same of th		
Project #: 16 82	Project Owne	r: Me	wbo	wn			city: Hobbs					2	B							
Project Name:	Vell springs Paduca swed	Boo	ste	21			State	NM	Zip:		de	15	BTEX (8021B)							
Project Location							Phone #:		Chiloride	30	8				-					
Sampler Name:	Dominil Casarez						Fax#	-			三	=	×							
FOR LAB USE ONLY			1		MATR	X	PF	RESERV	/ SAMPL	NG	10	10	TEX							
Lab I.D. H225024 DC M	Sample I.D.	(G)RAB OR (C)OM	# CONTAINERS	WASTEWATER	SOIL	SLUDGE	OTHER :	ICE / COOL	DATE	TIME	_		.8							
DC NI	FL 64@2				-		_		1025		1	V	V							
12	EW12		1		1		-		1		11	1	1			-				
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	5W3	-	-	-	+-	H	+	+-			++	++	++	-			-		-	
15	WW 8	\vdash	-	-	+	-	-	-			+	11	++	-	-		-	-	-	
16	WW9	\vdash	-	-	1	-	1		-		++	++	1	-	-		-	1		
17	WW 10	\vdash	-		1	-	+	++			++	1-1-	1	-						
18	WWIL		-	-	+	-	-	-		-	+	+	++-	-	-		-			
		-	-	-	-	-	-	-	1	-	1	-	1							
	Damages, Cardinal's liability and client's exclusive remedy for								ed to the amount pa		10									

PLEASE NOTE: Linkillty and Demages. Cardinal's slability and disert's exclusive remony for any stalin artising whether based in contract or fort, shall be limited to the amount paid by the client for the annalyses. All claims including those for negligipmon and any other cause whatsoever shall be deemed winever indee in writing but received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinate be failted for includental or consequented demages, including without singlation, business interruptions, loss of store, or boss of profits incrured by client, its subsidiaries artificiates or successors artising out of or related to the performance of services be equally a white the such claim is based upon any of the above, stated reasons or otherwise.

Relinquished By:	Time: 4 30/	Meceived By:	Mally	Fax Result: REMARKS:	☐ Yes	ZI No	Add'l Fax #:
Relinquished By:	Date:	Received By:	wyg	email res		D	*1
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	242/24	Sample Condition Cool Intact Ver Yes No No	CHECKED BY:			76	154 Plens

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

Appendix E Regulatory Correspondence

From: <u>Lance Crenshaw</u>
To: <u>Ben Arguijo</u>

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 <<u>bena@etechenv.com</u>>; Connor Walker <<u>cwalker@mewbourne.com</u>>

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

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

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

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

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

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

QUESTIONS

Action 365742

QUESTIONS

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

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

<u>District IV</u> 1220 S. St Francis Dr., Santa Fe, NM 87505

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

QUESTIONS, Page 2

Action 365742

Phone:(505) 476-3470 Fax:(505) 476-3462	
QUEST	IONS (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.
	iation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative o ted or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of evaluation in the follow-up C-141 submission.
to report and/or file certain release notifications and perform corrective actions for relethe OCD does not relieve the operator of liability should their operations have failed to	knowledge and understand that pursuant to OCD rules and regulations all operators are required asses which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or
	Name: Connor Walker

Title: Senior Engineer

Date: 07/19/2024

Email: cwalker@mewbourne.com

I hereby agree and sign off to the above statement

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

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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, Page 3

Action 365742

QUESTIONS (continued)

Operator:	OGRID:
MEWBOURNE OIL CO	14744
P.O. Box 5270	Action Number:
Hobbs, NM 88241	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 approva release discovery date.	l and beyond). This information must be provided to the appropriate district office no later than 90 days after the
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 ar	nd 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 informal	ion 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 submissio	n Yes
Attach a comprehensive report demonstrating the lateral and vertical exte	onts 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 fu	Ily delineated Yes
Was this release entirely contained within a lined containment	nt area No
Soil Contamination Sampling: (Provide the highest observable	value for each, in milligrams per kilograms.)
Chloride (EPA 300.0 or SM4500 CI B	1520
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M) 133
GRO+DRO (EPA SW-846 Method 8015	M) 133
BTEX (EPA SW-846 Method 8021	B or 8260B) 0.3
Benzene (EPA SW-846 Method 8021	B or 8260B) 0.1
Per Subsection B of 19.15.29.11 NMAC unless the site characterization n which includes the anticipated timelines for beginning and completing th	eport includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, a remediation.
On what estimated date will the remediation commence	10/11/2022
On what date will (or did) the final sampling or liner inspectio	n 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	pe reclaimed 12800
What is the estimated volume (in cubic yards) that will be rec	laimed 1300
What is the estimated surface area (in square feet) that will be	pe remediated 12800
What is the estimated volume (in cubic yards) that will be ren	nediated 1300
These estimated dates and measurements are recognized to be the best g	uess 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 b	e 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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<u>District IV</u> 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 4

Action 365742

QUESTIONS (continued)

Operator:	OGRID:
MEWBOURNE OIL CO	14744
P.O. Box 5270	Action Number:
Hobbs, NM 88241	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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Action 365742

QUESTIONS (continued)

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

District I

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Action 365742

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

Name: Connor Walker
Title: Senior Engineer
Email: cwalker@mewbourne.com
Date: 07/19/2024

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Action 365742

QUESTIONS	(continued)
QUESTIONS!	COH I III I I I I C C I I

Operator:	OGRID:
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	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:	OGRID:
MEWBOURNE OIL CO	14744
P.O. Box 5270	Action Number:
Hobbs, NM 88241	365742
110000, 14111 002 11	000142
	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