

Incident ID	NAB1605635112
District RP	2RP-3559
Facility ID	
Application ID	

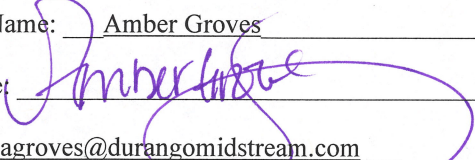
## Closure

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

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

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

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

Printed Name: Amber Groves Title: Sr. Environmental Specialist  
Signature:  Date: 12/6/2022  
email: agroves@durangomidstream.com Telephone: 575-703-7992

### OCD Only

Received by: Jocelyn Harimon Date: 12/09/2022

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

Closure Approved by: Ashley Maxwell Date: 2/03/2023

Printed Name: Ashley Maxwell Title: Environmental Specialist

Frontier Field Services  
Seven Rivers Compressor Station  
Section 25, T19S, R24E  
NMOCD Reference # 2RP-3559  
Terracon Project # KH227007



## Closure Report

Attn: New Mexico Oil Conservation Division  
1220 South St. Francis Drive  
Santa Fe, NM 87505

RE: Closure Report  
Seven Rivers Compressor Station  
Section 25, Township 19 South, Range 24 East  
Eddy County, New Mexico  
Terracon Project No. KH227007

To Whom it may concern,

Terracon Consultants, Inc. (Terracon) is pleased to submit our Closure Report for the site referenced above that resides on Bureau of Land Management (BLM) property. The Release Investigation and RAP were conducted by Agave Energy Company (Agave) and EOG Y Resources (EOG) in accordance with the New Mexico Oil Conservation Division (NMOCD) regulations concerning clean-up actions required for releases of crude oil and produced water and were subsequently approved by the NMOCD. Based on the release investigation assessment, Terracon completed the following actions to achieve protection of fresh water and the environment in accordance with NMOCD regulations. The original C-141 was initially submitted under OGRID 147831, however due to the purchase of Lucid Energy assets by Frontier Field Services, this final closure report will be submitted under the Frontier Services OGRID number 221115. Terracon has developed the Closure Report in general accordance with our scope of work (KH227007) dated September 30, 2022.

## Action Items

### Completed Actions

- 1) The EOG Y Resources RAP was approved by the NMOCD, on December 7, 2017, by Mike Bratcher
- 2) The site was re-delineated by Terracon on behalf of Frontier Field Services in August 2022 to determine the vertical impacts currently in-situ.
- 3) An engineering plan was implemented to conduct the necessary excavations greater than 20 ft. below grade surface (bgs).
- 4) Impacted soils were excavated and treated with peroxide.
- 5) Confirmation samples were collected from the base and walls of the excavation, to ensure the soils remaining were below the NMOCD Remediation Action Levels (RALs).
- 6) All treated soils were composite sampled to ensure that treated soils are below the NMOCD RALs.

### Anticipated Actions

Frontier Field Services  
Seven Rivers Compressor Station  
S25, T19S, R24E  
NMOCD Reference # 2RP-3559



- 
- 1) NMOCD approval of the Closure Report.
  - 2) Terracon will oversee the seeding of the site with an approved native seed mix.
  - 3) Frontier Field Services took the initiative to complete the remediation at the site in good faith.
- 

Terracon appreciates this opportunity to provide environmental services to Durango Midstream LLC (Durango). Should you have any questions or require additional information, please do not hesitate to contact our office.

Sincerely,  
**Terracon Consultants, Inc.**

A handwritten signature in black ink, appearing to read 'Travis Casey', followed by the word 'For' in a cursive script.

**Travis Casey**  
Senior Staff Scientist  
Carlsbad

A handwritten signature in black ink, appearing to read 'Erin Loyd', written over a circular stamp.

**Erin Loyd, P.G. (TX)**  
Principal  
Office Manager – Lubbock

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## Attachments:

## Appendix A – Exhibits

Exhibit 1 – Topo Map

Exhibit 2 – Site Map

Exhibit 3 – Initial Site Investigation Map

Exhibit 5 – Confirmation Soil Sampling Map

Exhibit 6 – NMOSE POD Location Map

Exhibit 7 – Cave Karst Public UCP Map

Exhibit 8 – Initial C-141

## Appendix B – Tables, Procedures, and Figures

Table 1 – Soil Sample Analytical Results

## Appendix C – Photographic Log

## Appendix D – Analytical Report and Chain of Custody

## Appendix E – Terracon Standard of Care, Limitation, and Reliance



Frontier Field Services  
 Seven Rivers Compressor Station  
 S25, T19S, R24E  
 NMOCD Reference # 2RP-3559



### Incident Information

The following table provides detailed information regarding the February 23, 2016, release at the Seven Rivers Compressor Station (Seven Rivers) site in Eddy County, New Mexico:

Required Information	Site and Release information	
Responsible party	Unknown (release was discovered at the time of the removal of abandoned Yates holding tanks). While the site was being operated by Agave. The facility is currently operated by Frontier Field Services.	
Local contact	Contact: Miss Amber Groves	P: (575) 703-7992 E: <a href="mailto:agroves@durangomidstream.com">agroves@durangomidstream.com</a>
NMOCD Notification	Notice of the release was provided to the NMOCD District 2 Artesia Office by Kerry Egan (Agave) on February 23, 2016.	
Facility description	Seven Rivers Compressor Station (Seven Rivers) is in Eddy County, New Mexico. It is an approximate 2.5-acre area located within Section 25, Township 19 South, Range 24 East, approximately 13 miles southwest of Atoka, New Mexico. The site is predominantly Oil and Gas developed property surrounded by native pastureland and natural drainage.	
Time of incident	February 23, 2016, discovered at time unknown.	
Discharge event	Stained soil was discovered at ground surface following the decommissioning and removal of fiberglass tanks. The exact cause of the release is unknown. Exhibit 2 of Appendix A presents a site map showing the equipment and extent of excavated soil.	
Type of discharge	The release occurred in an unlined containment area adjacent to the Seven Rivers Compressor Station site, where abandoned Yates tanks were located.	
Quantity of spilled material	Total Fluids: unknown	Produced Water: N/A Total Petroleum Hydrocarbons: N/A
Site characteristics	Relatively flat with drainage following the native ground surface; sloping to the north.	
Immediate corrective actions	No immediate corrective action was taken following the discovery of the staining. There was no knowledge of the ongoing release until the fiberglass tanks were removed.	

Frontier Field Services  
 Seven Rivers Compressor Station  
 S25, T19S, R24E  
 NMOCD Reference # 2RP-3559



General Site Characteristics	
Remedial Determining Information	Site Ranking Characteristics
Facility description Site Map – (Exhibit 2 in Appendix A)	Seven Rivers is in Eddy County, New Mexico. It is an approximate 2.5-acre area located within Section 25, Township 19 South, Range 24 East, approximately 13 miles southwest of Atoka, New Mexico. The site is predominantly Oil and Gas developed property surrounded by native pastureland and natural drainage.
Site characteristics Topographic Map – (Exhibit 1 in Appendix A)	Drainage follow is to the north to Seven River Draw. The declining slope to the north is consistent throughout area due to the Draw running west and east.
Groundwater NMOSE POD Location Map – (Exhibit 6 in Appendix A)	<u>POD Number:</u> (RA-04727) <u>Depth to Groundwater:</u> 322 ft. bgs <u>Distance to Well:</u> 0.43 miles to the west <u>Date Drilled:</u> November 15, 1962
	<u>Groundwater Quality:</u> Groundwater at the site is predominately used for livestock production and for sanitary purposes in conjunction with commercial use.
Surface Water	Brantley Lake (South-eastern Eddy County, NM), approximately 9.63 miles to the southeast.
Soil Characteristics	Soils at the site are mapped as Upton-Reagan complex soils, 0 to 9 percent slopes, well-drained, 0 to 9 inches gravelly loam, 9 to 13 inches gravelly loam, 13 to 21 inches cemented, and 21 to 60 inches very gravelly loam. This soil has a surface layer of gravelly loam soil. Restrictive features are present at 7 to 21 inches bgs resulting in the formation being categorized with a high runoff classification.

### Regulatory Framework and Response Action Levels

Oil and gas exploration and production facilities in New Mexico are generally regulated by the New Mexico Oil Conservation Division (NMOCD). The NMOCD has issued the Closure Criteria for Soils Impacted by a Release, June 21, 2018, and Restoration, Reclamation, and Re-vegetation (19.15.29.13) NMAC – D (Reclamation of areas no longer in use) as guidance documents for the remediation and reclamation of sites impacted by releases from oil and gas exploration and production activities. Sections detailed below the applicability of these guidance documents to the site-specific characteristics associated with the Seven Rivers.

#### Remediation Levels

Based on the site-specific characteristics, the NMOCD approved Remediation Work Plan submitted by Agave, remediation levels for Total BTEX, chloride, and TPH within soils, exclusive of this remediation (surface to 25 ft. bgs), are as follows:

Constituent	Remediation Limit
Chloride*	No established RAL
TPH (GRO+DRO+MRO)	5,000 mg/kg
TPH (GRO+DRO)	1,000 mg/kg
BTEX	50 mg/kg
Benzene	10 mg/kg

\* Chloride were ruled inapplicable during the time of the approved work plan on December 7, 2017 by the NMOCD.

Review of Investigations at the Compressor Station prior to 2022.

The release was reported by Agave Energy Company through their C-141 on February 23, 2016, the initial release was discovered on February 16, 2016. Responsibility of the remediation was taken over by EOG Y Resources on June 27, 2017, EOG submitted a workplan to the NMOCD that was approved on December 7, 2017. The submitted workplan consisted of removing the material impacted above the NMOCD RALs and treating the impacted material onsite with peroxide, then utilizing the treated material as backfill for the excavation. The remediation was never fully executed apart from a pilot project that tested the viability of the peroxide treatment, that took place on December 26, 2017. No further action was taken at the site until Frontier Field Services took over the remediation in 2022.

## Soil Investigation Discussion

During Terracon's August 17, 2022, investigation activities, a total of 18 soil samples were collected from the site and analyzed for BTEX and/or TPH. A total of 12 samples were collected from within the release margins to determine the constituents of concern that remained within the soil, and 6 samples were collected from the stockpiles from the previous peroxide treatments to evaluate the concentrations of the constituents of concern that remained in the treated materials.

### Investigation Data Evaluation

#### ■ Excavation Investigation Data Evaluation

A total of 12 composite soil samples were collected from the floor and walls of the open excavation that remained from the 2017 site investigation. All the samples were analyzed for the presence of Benzene, Total BTEX and Total TPH.

Benzene was not detected above the NMOCD RAL (10 mg/kg) in any of the 12 soil samples collected within the release margins. Benzene was below SDL's in 10 of the 12 samples, and was above SDLs but below the NMOCD RAL in two of the samples: 0.126 mg/kg in C-FS01 (18 ft bgs to 19 ft bgs) and 0.264 mg/kg in S2-FS01 (20 ft bgs to 21 ft bgs). Analytical data is summarized in Table 1.

Total BTEX was below the NMCOD RAL (50 mg/kg) in 11 of the 12 samples collected within the release margins. The one sample that exceeded the RAL was S2-FS01 (20 ft bgs to 21 ft bgs), which reported total BTEX of 116 mg/kg. Note that the sample collected beneath this one (S2-FS01 (22 ft bgs – 23 ft bgs)) was below the RAL with BTEX of 20.8 mg/kg. Total BTEX was below the RAL but above SDL's in eight of the 12 soil samples analyzed, ranging from 0.675 mg/kg in C-ESW (10 ft bgs to 15 ft bgs) to 116 mg/kg in S2-FS01 (20 ft bgs to 21 ft bgs). Analytical data is summarized in Table 1.

None of the 12 samples collected from within the release margins exhibited Total TPH above the NMOCD RAL (5,000 mg/kg). Total TPH was detected above applicable laboratory SDLs but below the RAL in nine of the 12 soil samples analyzed, ranging from 50.6 mg/kg in C-WSW (surface to 10 ft bgs) to 3,514 mg/kg in S2-FS01 (20 ft bgs to 21 ft bgs). Analytical data is summarized in Table 1.

Based on the review of the analytical results of the investigation soil samples, the detected constituent concentrations did not exceed NMOCD Action Levels based on the criteria ranking parameters. Only one exception was the sample taken at S2-FS01 (20 ft bgs to 21 ft bgs) subsequent samples collected below this depth demonstrated a complete vertical delineation. Based on these sample results, NMOCD Action Levels will continue to be utilized as the applicable RALs for the site.

Frontier Field Services  
Seven Rivers Compressor Station  
S25, T19S, R24E  
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#### ■ Treatment Investigation Data Evaluation

A total of six composite soil samples were collected from the previously treated soil stockpiles remaining from the 2017 investigation. A total of 100 cubic yards was assumed to be treated, as outlined in the pilot study for treatment. All the samples were analyzed for the presence of Benzene, Total BTEX and Total TPH.

Of the six soil samples collected none had concentrations of Benzene or Total BTEX above applicable laboratory SDLs, as summarized in Table 1.

Total TPH was detected in two of the 6 soil samples analyzed. The detected Total TPH concentrations were 43.8 mg/kg in SP-W (surface to 5 ft bgs) and 139.4 mg/kg in SP-E (surface to 5 ft bgs). The detected Total TPH concentrations did not exceed the applicable NMOCD RAL for Total TPH of 5,000 mg/kg, as summarized in Table 1.

Based on the review of the analytical results of the investigation soil samples, the detected constituent concentrations did not exceed NMOCD Action Levels based on the criteria ranking parameters. The treated soils were determined to be adequate for backfill and within the parameters approved in the RAP.

#### Confirmation Sample Data Evaluation

During Terracon's confirmation sampling activities from October 25, 2022, through November 2, 2022, a total of 25 composite soil samples were collected from the site and analyzed for Benzene, BTEX and/or TPH. A total of 10 samples were collected from within the excavation per the approved EOG workplan and to determine the constituents of concern that remained within the soil, and 15 samples were collected from the stockpiles of the peroxide treatment to evaluate the concentrations of the constituents of concern that remained in the treated materials.

#### ■ Excavation Confirmation Data Evaluation

Benzene and Total BTEX were not detected above applicable laboratory SDLs in the 10 soil samples analyzed within the walls and floor confirmation samples, as summarized in Table 1.

Total TPH was detected above applicable laboratory SDLs in three of the 10 soil samples analyzed within the walls and floor confirmation samples. The Total TPH concentrations ranged from 34.3 mg/kg in N-FS01 (24 ft bgs to 25 ft bgs) to 54.1 mg/kg in W-FS04 (24 ft bgs to 25 ft bgs). The samples collected within the release margins did not exhibit Total TPH concentrations above the NMOCD approved RAP RAL of 5,000 mg/kg for Total TPH, as summarized in Table 1.



Frontier Field Services  
Seven Rivers Compressor Station  
S25, T19S, R24E  
NMOCD Reference # 2RP-3559



#### ■ Treatment sample Data Evaluation

Benzene was not detected above applicable laboratory SDLs in any of the 15 soil samples analyzed within the peroxide treated soils, as summarized in Table 1.

Total BTEX was detected above applicable laboratory SDLs in one of the 15 soil samples analyzed within peroxide treated soils. The detected Total BTEX concentration was 0.179 mg/kg in N1.2 (surface to 0.5 ft bgs). The samples collected did not exceed the applicable NMOCD RAL for Total BTEX of 50 mg/kg, as summarized in Table 1.

Total TPH was detected above applicable laboratory SDLs in 14 of the 15 soil samples analyzed within the peroxide treated soils. The Total TPH concentrations ranged from 10.2 mg/kg in N1.2 (surface to 0.5 ft bgs) to 135.8 mg/kg in 2T-S1.3 (surface to 0.5 ft bgs). The samples collected within the release margins did not exhibit Total TPH concentrations above the NMOCD approved RAP RAL of 5,000 mg/kg for Total TPH, as summarized in Table 1.

#### Confirmation Data Summary

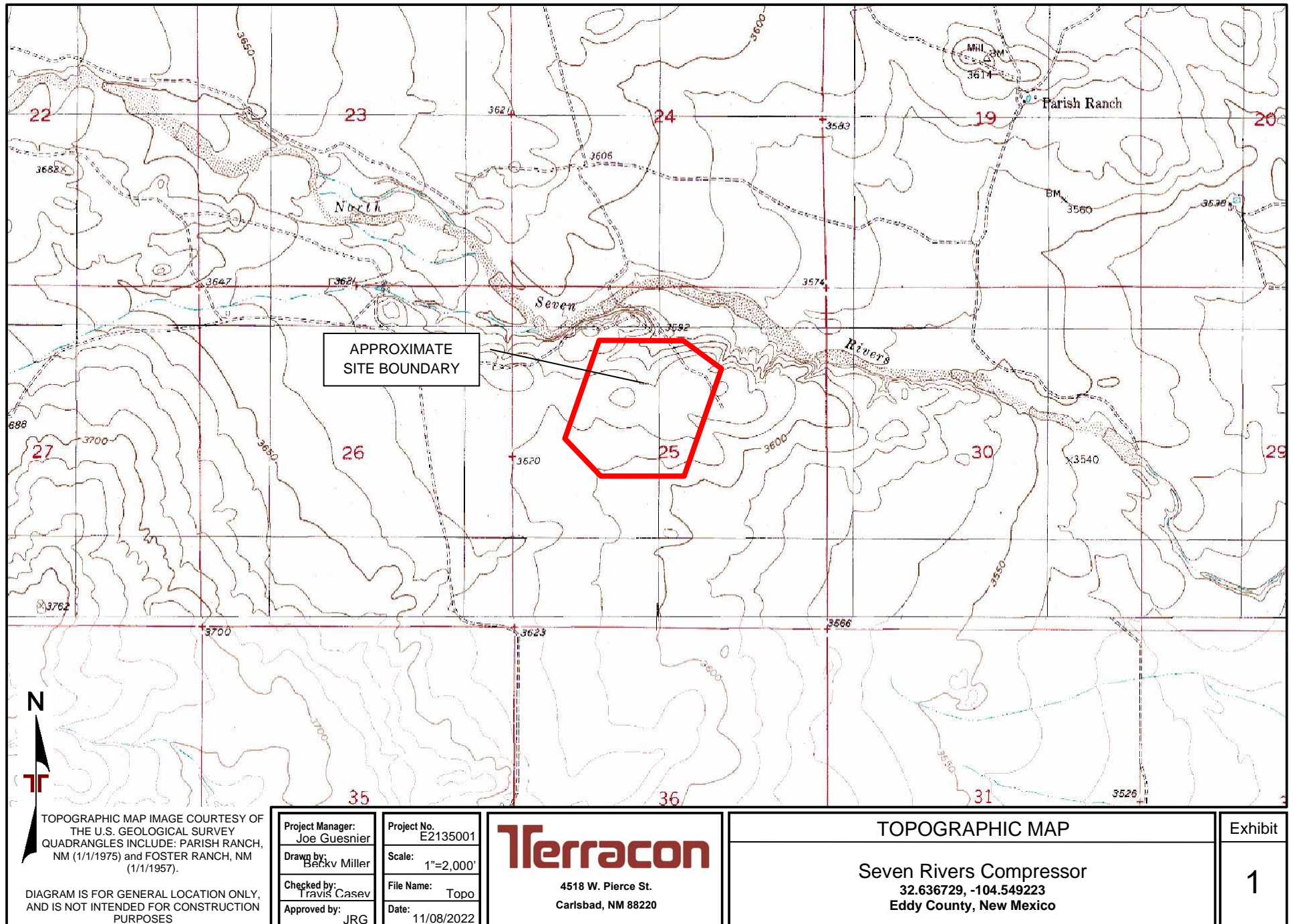
Based on the review of the above Confirmation sample analytical results, the presence of petroleum hydrocarbon constituents (BTEX/TPH) were not detected at concentrations above applicable NMOCD approved RAP. Frontier Field Services respectfully requests the closure of 2RP-3559.

Frontier Field Services  
 Seven Rivers Compressor Station  
 S25, T19S, R24E  
 NMOCD Reference # 2RP-3559

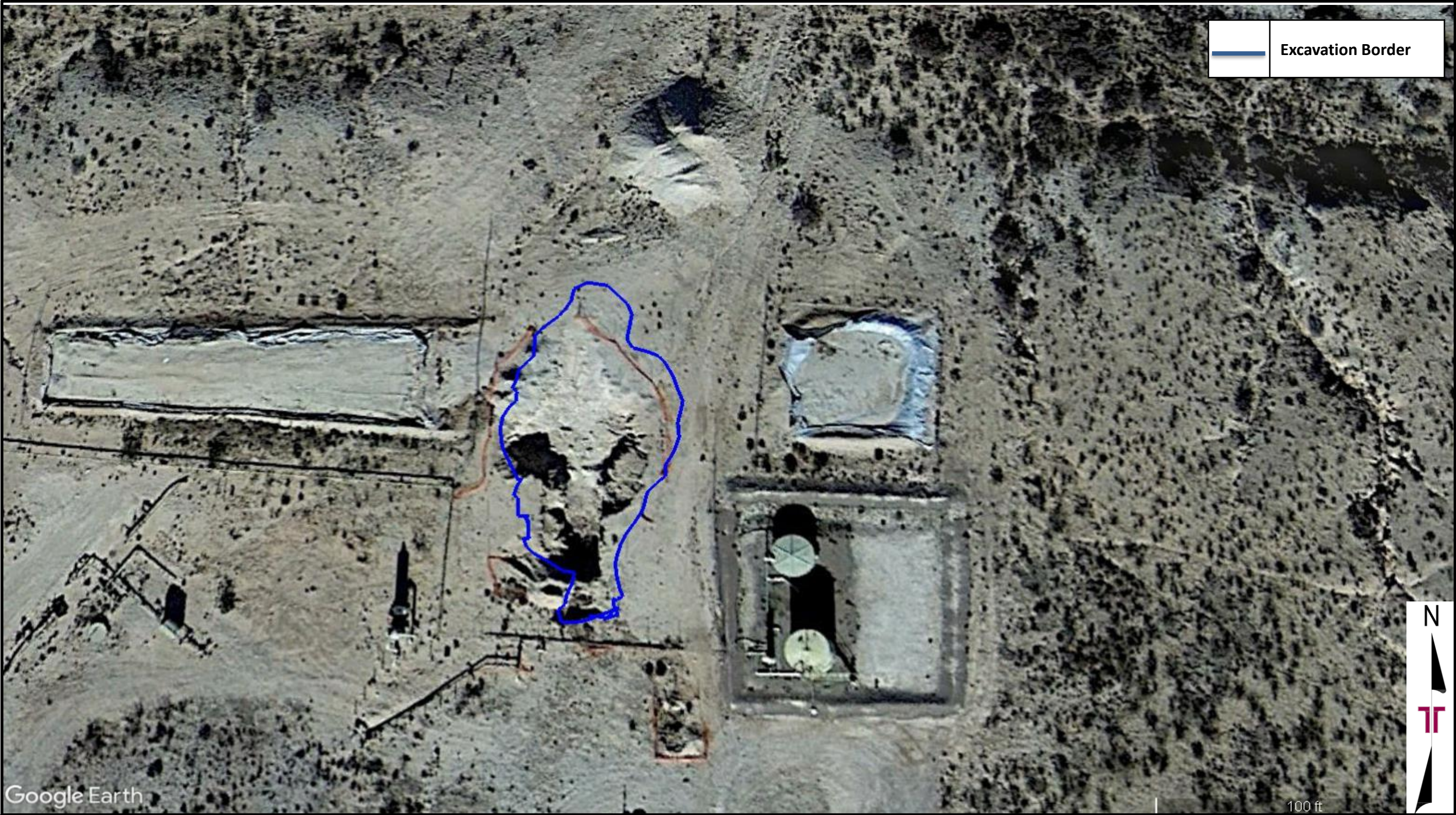


Soil Management Plan	
Soil Objectives	Approach Actions
<b>General Soil Plan</b>	Soils impacted from the release were excavated and spread out in 12" lifts within lined and bermed treatment areas. The soils were treated twice with peroxide then stockpiled and moved to a clean soils stockpile for backfill.
<b>Reclamation Response Objectives</b>	To remove and treat impacted soils above the applicable NMOCD RALs.
<b>Remediation Response Objectives</b>	To remove and treat impacted soils above the applicable NMOCD RALs.
<b>Soil Management</b> Confirmation Soil Map – (Exhibit 5 in Appendix A)	Soil treatments were completed in lined and bermed areas to reduce the possibility of impacts and contamination of native soils.
<b>Depth of Remediation</b> Confirmation Soil Map – (Exhibit 5 in Appendix A)	The total depth of Remediation was 25 ft bgs to ensure impacted soils above the NMOCD RALs were removed.

## **APPENDIX A – EXHIBITS**

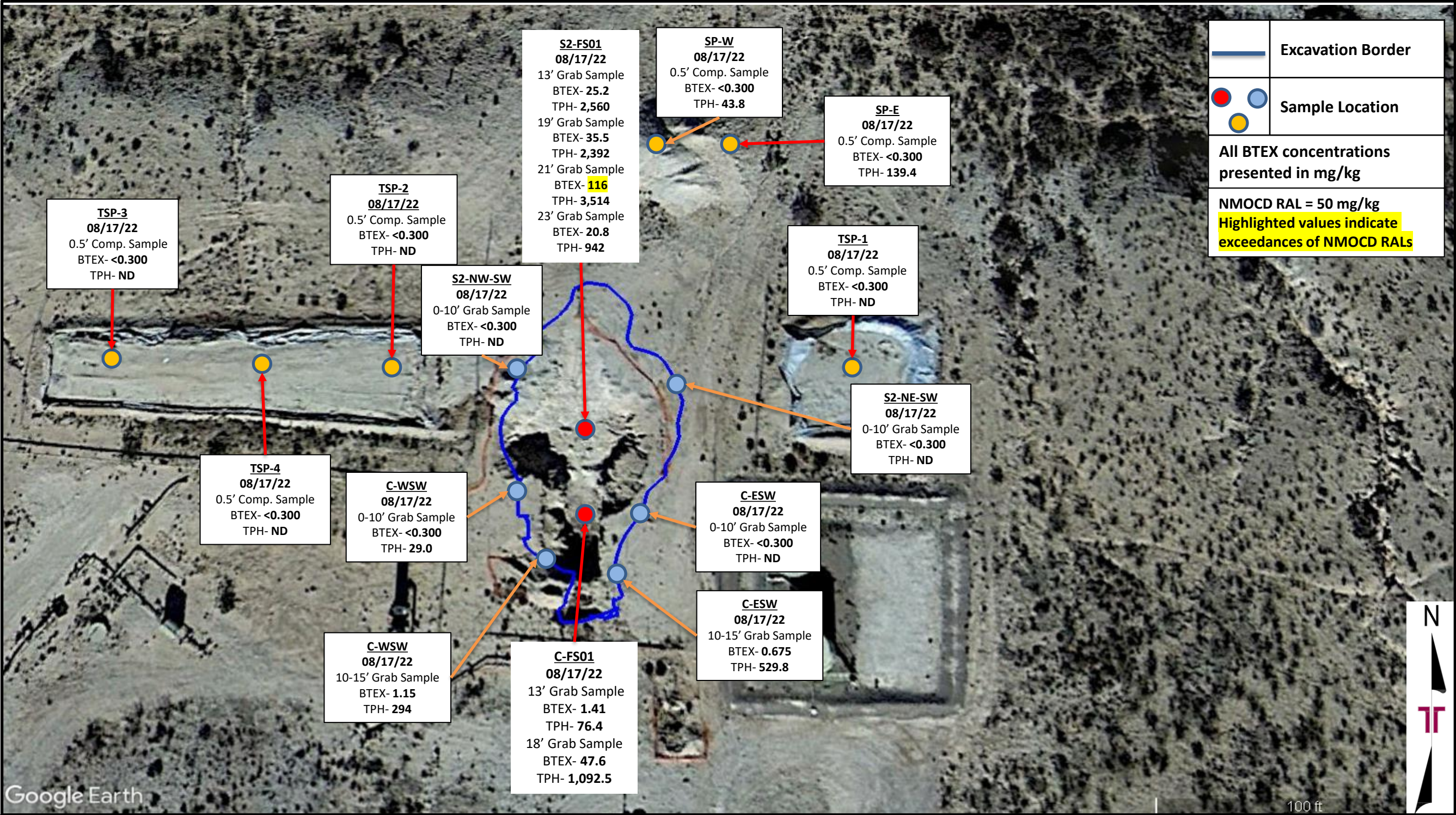






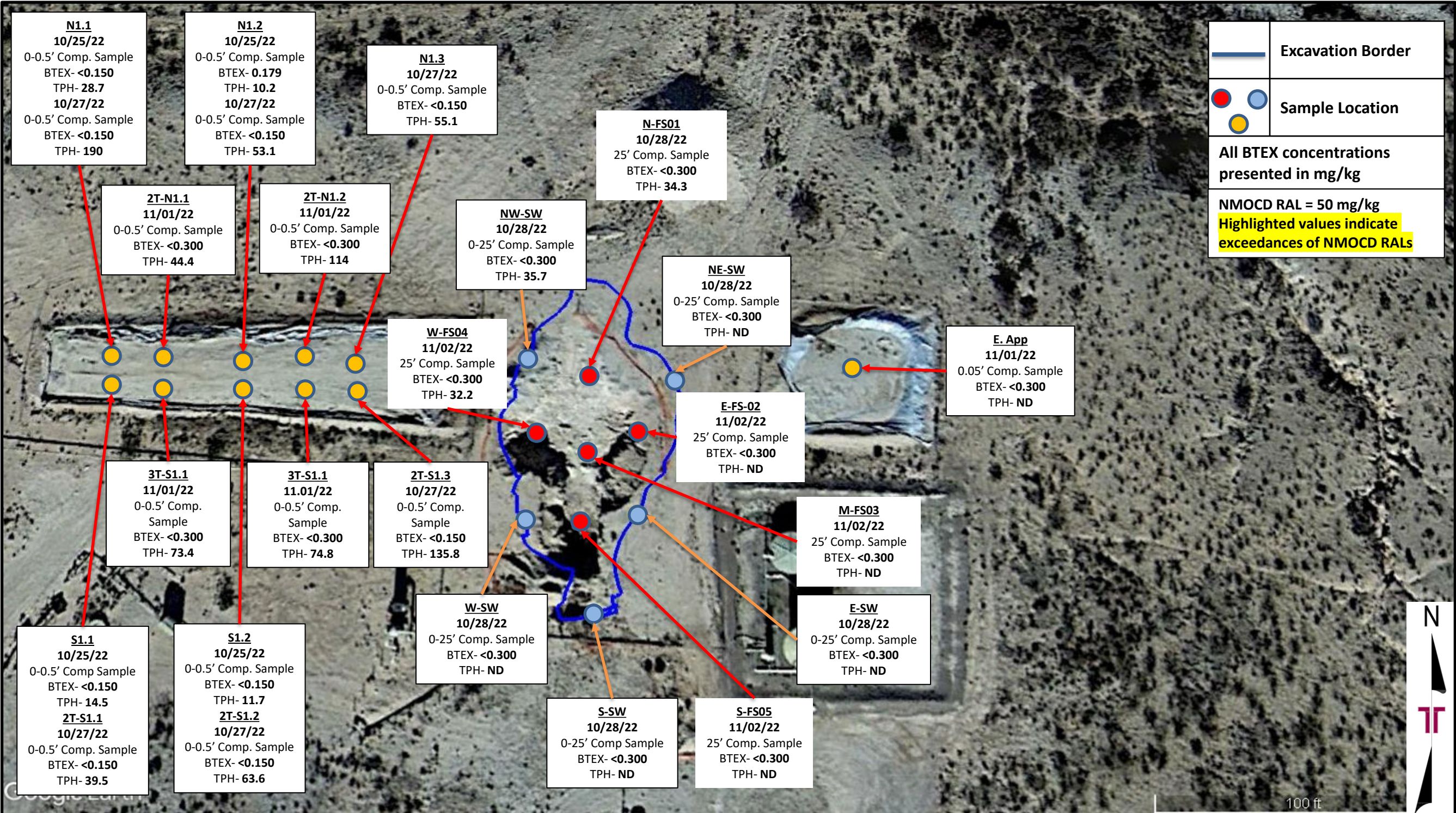
Project No.	KH227007	<div><div>Terracon</div><div>Consulting Engineers &amp; Scientists</div><div><div>4518 W. Pierce St.</div><div>Carlsbad, NM 88220</div><div>PH. (575)689-4020</div><div>FAX. (806) 797 0947</div></div></div>	Exhibit 2 - Site Map
Scale:	As Shown		Seven Rivers Compressor Station
Source:	Google Earth		32.636729°, -104.549223°
Date:	11/03/2022		Eddy County, New Mexico





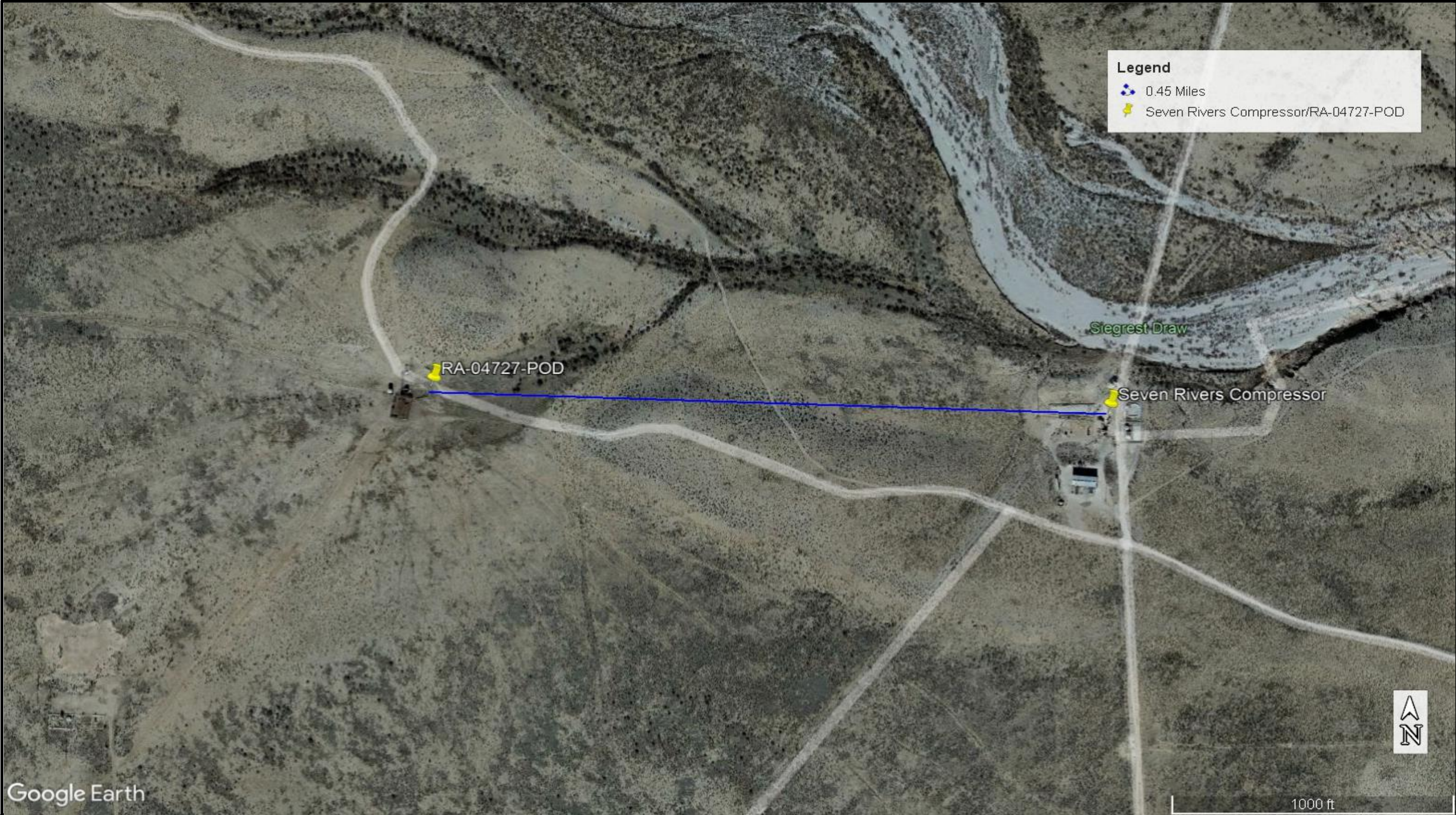
Project No.	KH227007	Exhibit 3 – Initial Site Sample Map Seven Rivers Compressor Station 32.636729°, -104.549223° Eddy County, New Mexico	
Scale:	As Shown		
Source:	Google Earth		
Date:	11/03/2022		
<b>Terracon</b> Consulting Engineers & Scientists 4518 W. Pierce St. Carlsbad, NM 88220 PH. (575)689-4020 FAX. (806) 797 0947			





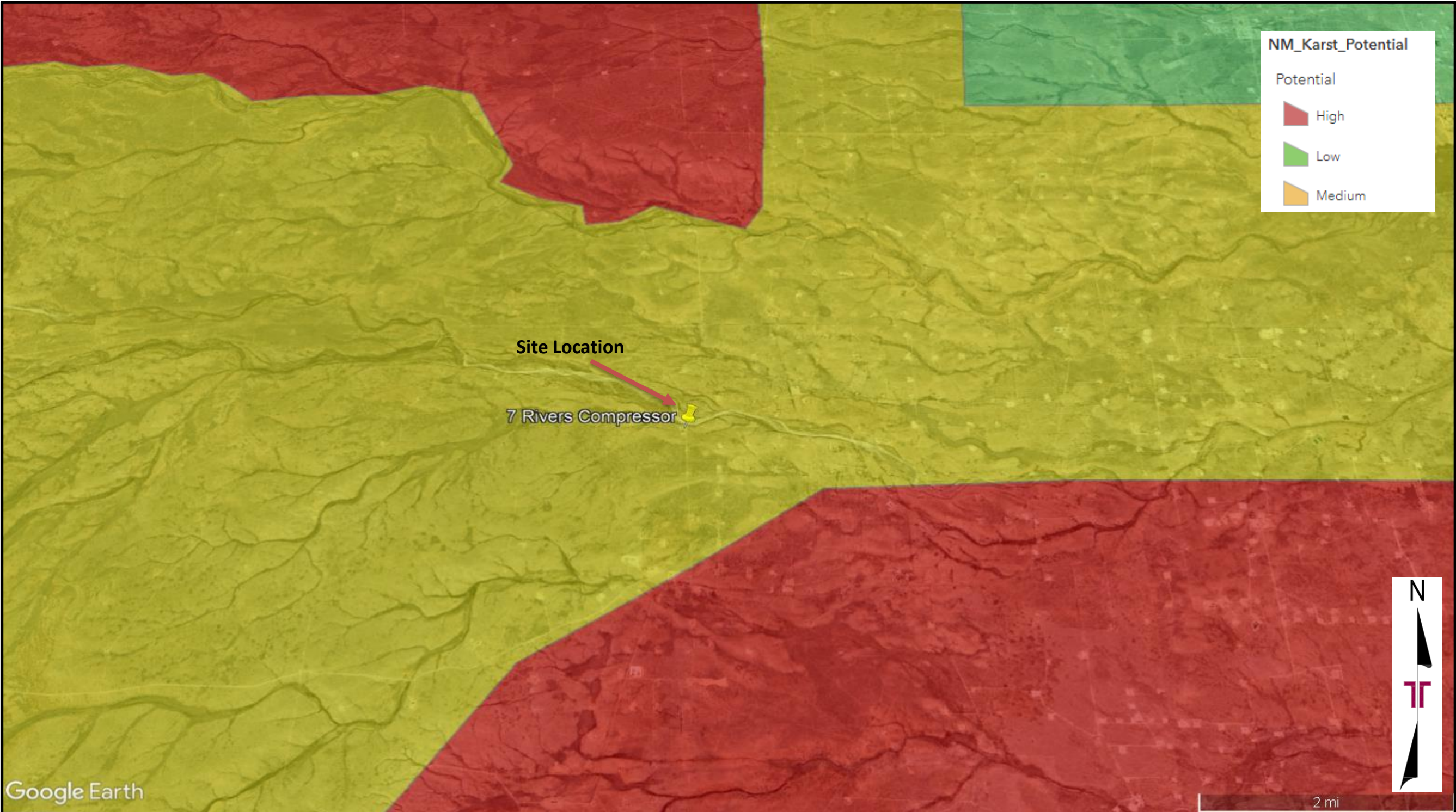
Project No.	KH227007	<div>Exhibit 4 – Confirmation Sample Map</div> <div>Seven Rivers Compressor Station</div> <div>32.636729°, -104.549223°</div> <div>Eddy County, New Mexico</div>	
Scale:	As Shown		
Source:	Google Earth		
Date:	11/03/2022		
<div>Terracon</div> <div>Consulting Engineers &amp; Scientists</div> <div>4518 W. Pierce St. Carlsbad, NM 88220</div> <div>PH. (575)689-4020 FAX. (806) 797 0947</div>			





Project No. KH227007		<div><div><div>Terracon</div><div>Consulting Engineers &amp; Scientists</div><div><div>4518 W. Pierce St. Carlsbad, NM 88220</div><div>PH. (575)689-4020 FAX. (806) 797 0947</div></div></div></div>	
Scale: As Shown			
Source: Google Earth			
Date: 11/08/2022			
		Exhibit 5 – NMOSE POD Location Map	
		Seven Rivers Compressor Station 32.636729°, -104.549223° Eddy County, New Mexico	





Project No.	KH227007	<div><div>Terracon</div><div>Consulting Engineers &amp; Scientists</div><div><div>4518 W. Pierce St.</div><div>PH. (575)689-4020</div></div><div><div>Carlsbad, NM 88220</div><div>FAX. (806) 797 0947</div></div></div>	Exhibit 6 – Cave Karst Public UCP Map
Scale:	As Shown		Seven Rivers Compressor Station
Source:	Google Earth		32.636729°, -104.549223°
Date:	11/03/2022		Eddy County, New Mexico



District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 S. First St., Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

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

## NM OIL CONSERVATION

ARTESIA DISTRICT

Form C-141  
Revised August 8, 2011

FEB 23 2016

Submit 1 Copy to appropriate District Office in  
accordance with 19.15.29 NMAC.

RECEIVED

# PAB1605634968 Release Notification and Corrective Action

## PAB1605635112

## OPERATOR

X Initial Report

Final Report

Name of Company	Agave Energy Company	Contact	Kerry Egan
Address	326 West Quay Artesia, NM 88210	Telephone No.	575 513-8988
Facility Name	Seven Rivers Compressor Station	Facility Type	Compressor Station
Surface Owner:	Mineral Owner	API No.	

## LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
	25	19S	24E					EDDY

Latitude 32.636136 Longitude -104.549427

## NATURE OF RELEASE

Type of Release: Pipeline liquids	Volume of Release: Unknown (historic leak)	Volume Recovered: N/A
Source of Release: Pipeline liquids,	Date and Hour of Occurrence: Unknown (historic leak)	Date and Hour of Discovery: 2/16/16
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.\*

Describe Cause of Problem and Remedial Action Taken.\*

Two fiberglass tanks located on the north side of the compressor station, placed in a dirt containment, were used to collect pipeline liquids from PVC water and gas lines in the area. Upon removal of the tanks there were no indications of soil contamination. After removal, signs of soil contamination began to appear where the tanks had been. All PVC gas lines in the area have been shut in and blown down.

Describe Area Affected and Cleanup Action Taken.\*

The area with signs of contamination is only 15' by 15'. The containment, which has been removed, is approximately 30' by 50' in extent. This is believed at this point to be the worst case for contamination. Investigation is beginning to determine the total extent of contamination.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD 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 NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD 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.

## OIL CONSERVATION DIVISION

Signature: <u>Kerry Egan</u>	Approved by Environmental Specialist: <u>[Signature]</u>	
Printed Name: Kerry Egan	Approval Date: <u>2/25/16</u>	Expiration Date: <u>N/A</u>
Title: Eng Tech	Conditions of Approval:	
E-mail Address: KEgan@agaveenergy.com	Attached <input type="checkbox"/>	
Date: <u>2/23/16</u> Phone: 575 748-4555	Remediation per O.C.D. Rules & Guidelines	

SUBMIT REMEDIATION PROPOSAL NO  
LATER THAN: 3/26/16

2RP-355A

\* Attach Additional Sheets If Necessary



## **APPENDIX B – TABLES, PROCEDURES, AND FIGURES**

TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS - BTEX <sup>1</sup> , Chloride <sup>2</sup> , and TPH <sup>3</sup> 7 Rivers Compressor Terracon Project No. KH227007								
Sample I.D.	Sample Depth (ft. bgs)	Sample Type	Sample Date	BTEX (mg/kg)	Chloride (mg/kg)	TPH (8015M) (mg/kg)		
						GRO	DRO	EXT DRO
Vertical Delineation Sampling								
C-FS01	12-13'	Grab	08/17/22	Benzene - <0.050 Total BTEX - 1.41	N/A	14.2	14.9	47.3
C-FS01	18-19'	Grab	08/17/22	Benzene - 0.126 Total BTEX - 47.8	N/A	650	344	98.5
S2-FS01	12-13'	Grab	08/17/22	Benzene - <0.500 Total BTEX - 25.5	N/A	819	1,370	371
S2-FS01	18-19'	Grab	08/17/22	Benzene - <0.500 Total BTEX - 35.5	N/A	799	1,330	263
S2-FS01	20-21'	Grab	08/17/22	Benzene - 0.264 Total BTEX - 116	N/A	1,750	1,490	274
S2-FS01	22-23'	Grab	08/17/22	Benzene - <0.050 Total BTEX - 20.8	N/A	383	456	103
Sidewall Samples								
C-WSW	10-15'	Grab	08/17/22	Benzene - <0.050 Total BTEX - 1.15	N/A	26.4	182	85.6
C-ESW	10-15'	Grab	08/17/22	Benzene - <0.050 Total BTEX - 0.675	N/A	13.8	279	237
C-WSW	0-10'	Grab	08/17/22	Benzene - <0.050 Total BTEX - <0.300	N/A	<10.0	29.0	21.6
C-ESW	0-10'	Grab	08/17/22	Benzene - <0.050 Total BTEX - <0.300	N/A	<10.0	<10.0	<10.0
S2-NW-SW	0-10'	Grab	08/17/22	Benzene - <0.050 Total BTEX - <0.300	N/A	<10.0	<10.0	<10.0
S2-NE-SW	0-10'	Grab	08/17/22	Benzene - <0.050 Total BTEX - <0.300	N/A	<10.0	<10.0	<10.0
Treated Stockpile Samples								
SP-W	0-5'	Comp	08/17/22	Benzene - <0.050 Total BTEX - <0.300	N/A	<10.0	32.8	11.0
SP-E	0-5'	Comp	08/17/22	Benzene - <0.050 Total BTEX - <0.300	N/A	<10.0	72.4	67.0
TSP-1	0-5'	Comp	08/17/22	Benzene - <0.050 Total BTEX - <0.300	N/A	<10.0	<10.0	<10.0
TSP-2	0-5'	Comp	08/17/22	Benzene - <0.050 Total BTEX - <0.300	N/A	<10.0	<10.0	<10.0
TSP-3	0-5'	Comp	08/17/22	Benzene - <0.050 Total BTEX - <0.300	N/A	<10.0	<10.0	<10.0
TSP-4	0-5'	Comp	08/17/22	Benzene - <0.050 Total BTEX - <0.300	N/A	<10.0	<10.0	<10.0
NMOCD Remediation and Delineation Standards <sup>5</sup> (Applicable for Soils at Depths Greater than 4 ft. Below Grade Surface)				Benzene - 10 Toluene - N/A Ethylbenzene - N/A Total Xylenes - N/A Total BTEX - 50	N/A	5,000		

1. BTEX = Benzene, toluene, ethylbenzene, total xylenes analyzed by EPA Method 8021B

2. Chloride = Chloride analyzed by EPA Method 300.

3. TPH = Total petroleum hydrocarbons analyzed by EPA Method 8015M (GRO/DRO/MRO)

5. New Mexico Oil Conservation Division (NMOCD) Remediation and Delineation Standards were proposed and accepted in the RAP on 12/7/2017 by the NMOCD

&lt; = Constituent not detected above the indicated laboratory SDL

NA = Not Analyzed

N/A = Not Applicable

**Bold and Highlight denotes concentrations that exceed the New Mexico Oil Conservation Division (NMOCD) Reclamation and/or Remediation and Delineation Standard**

TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS - BTEX <sup>1</sup> , Chloride <sup>2</sup> , and TPH <sup>3</sup> 7 Rivers Compressor Terracon Project No. KH227007								
Sample I.D.	Sample Depth (ft. bgs)	Sample Type	Sample Date	BTEX (mg/kg)	Chloride (mg/kg)	TPH (8015M) (mg/kg)		
						GRO	DRO	EXT DRO
Confirmation Wall Samples								
S-SW	0-25'	Comp	10/28/22	Benzene - <0.050 Total BTEX - <0.300	N/A	<10.0	<10.0	<10.0
W-SW	0-25'	Comp	10/28/22	Benzene - <0.050 Total BTEX - <0.300	N/A	<10.0	<10.0	<10.0
NW-SW	0-25'	Comp	10/28/22	Benzene - <0.050 Total BTEX - <0.300	N/A	<10.0	35.7	<10.0
E-SW	0-25'	Comp	10/28/22	Benzene - <0.050 Total BTEX - <0.300	N/A	<10.0	<10.0	<10.0
NE-SW	0-25'	Comp	10/28/22	Benzene - <0.050 Total BTEX - <0.300	N/A	<10.0	<10.0	<10.0
Confirmation Floor Samples								
E-FS02	25'	Comp	11/02/22	Benzene - <0.050 Total BTEX - <0.300	N/A	<10.0	<10.0	<10.0
N-FS01	25'	Comp	10/28/22	Benzene - <0.050 Total BTEX - <0.300	N/A	<10.0	34.3	<10.0
N-FS03	25'	Comp	11/02/22	Benzene - <0.050 Total BTEX - <0.300	N/A	<10.0	<10.0	<10.0
W-FS04	25'	Comp	11/02/22	Benzene - <0.050 Total BTEX - <0.300	N/A	<10.0	32.2	21.9
S-FS05	25'	Comp	11/02/22	Benzene - <0.050 Total BTEX - <0.300	N/A	<10.0	<10.0	<10.0
Treated Soil Confirmation Samples								
E. App	0-0.5'	Comp	11/01/22	Benzene - <0.050 Total BTEX - <0.300	N/A	<10.0	<10.0	<10.0
N1.1	0-0.5'	Comp	10/25/22	Benzene - <0.025 Total BTEX - <0.150	N/A	<10.0	28.7	<10.0
N1.2	0-0.5'	Comp	10/25/22	Benzene - <0.025 Total BTEX - 0.179	N/A	<10.0	10.2	<10.0
S1.1	0-0.5'	Comp	10/25/22	Benzene - <0.025 Total BTEX - <0.150	N/A	<10.0	14.5	<10.0
S1.2	0-0.5'	Comp	10/25/22	Benzene - <0.025 Total BTEX - <0.150	N/A	<10.0	11.7	<10.0
N1.1	0-0.5'	Comp	10/27/22	Benzene - <0.025 Total BTEX - <0.150	N/A	<10.0	134	56.0
N1.2	0-0.5'	Comp	10/27/22	Benzene - <0.025 Total BTEX - <0.150	N/A	<10.0	39.5	13.6
N1.3	0-0.5'	Comp	10/27/22	Benzene - <0.025 Total BTEX - <0.150	N/A	<10.0	43.9	11.2
2T-S1.1	0-0.5'	Comp	10/27/22	Benzene - <0.025 Total BTEX - <0.150	N/A	<10.0	39.5	<10.0
2T-S1.2	0-0.5'	Comp	10/27/22	Benzene - <0.025 Total BTEX - <0.150	N/A	<10.0	51.7	11.9
2T-S1.3	0-0.5'	Comp	10/27/22	Benzene - <0.025 Total BTEX - <0.150	N/A	<10.0	93.5	42.3
2TN1.1	0-0.5'	Comp	11/01/22	Benzene - <0.050 Total BTEX - <0.300	N/A	<10.0	44.4	<10.0
2TN1.2	0-0.5'	Comp	11/01/22	Benzene - <0.050 Total BTEX - <0.300	N/A	<10.0	114	<10.0
3TS1.1	0-0.5'	Comp	11/01/22	Benzene - <0.050 Total BTEX - <0.300	N/A	<10.0	73.4	<10.0
3TS1.2	0-0.5'	Comp	11/01/22	Benzene - <0.050 Total BTEX - <0.300	N/A	<10.0	74.8	<10.0
NMOCD Remediation and Delineation Standards <sup>5</sup> (Applicable for Soils at Depths Greater than 4 ft. Below Grade Surface)				Benzene - 10 Toluene - N/A Ethylbenzene - N/A Total Xylenes - N/A Total BTEX - 50	N/A	5,000		

1. BTEX = Benzene, toluene, ethylbenzene, total xylenes analyzed by EPA Method 8021B

2. Chloride = Chloride analyzed by EPA Method 300.

3. TPH = Total petroleum hydrocarbons analyzed by EPA Method 8015M (GRO/DRO/MRO)

5. New Mexico Oil Conservation Division (NMOCD) Remediation and Delineation Standards were proposed and accepted in the RAP on 12/7/2017 by the NMOCD

&lt; = Constituent not detected above the indicated laboratory SDL

NA = Not Analyzed

N/A = Not Applicable

**Bold and Highlight denotes concentrations that exceed the New Mexico Oil Conservation Division (NMOCD) Reclamation and/or Remediation and Delineation Standard**

## **APPENDIX C – PHOTOGRAPHIC LOG**



Seven Rivers Compressor Station ■ Eddy County, New Mexico  
November 8, 2022 ■ Terracon Project No. KH227007

**Terracon**



**PHOTO 1:** View of area prior to Excavation from the South



**PHOTO 2:** View of area prior Excavation from the North

Responsive ■ Resourceful ■ Reliable



Seven Rivers Compressor Station ■ Eddy County, New Mexico  
November 8, 2022 ■ Terracon Project No. KH227007

**Terracon**

**PHOTO 3:** View of area prior Excavation from the East looking Southwest



**PHOTO 4:** View of Excavation S2 Floor sample area after trench backfilled

Responsive ■ Resourceful ■ Reliable



Seven Rivers Compressor Station ■ Eddy County, New Mexico  
November 8, 2022 ■ Terracon Project No. KH227007

**Terracon**

**PHOTO 5:** View of Sidewalls of West side of Excavation and sample area



**PHOTO 6:** View of CS Floor sample area after backfilling

Responsive ■ Resourceful ■ Reliable



Seven Rivers Compressor Station ■ Eddy County, New Mexico  
November 8, 2022 ■ Terracon Project No. KH227007

**Terracon**

**PHOTO 7:** View of CS Floor sample Excavation area after backfilling



**PHOTO 8:** View of Excavation in progress in CS area

Responsive ■ Resourceful ■ Reliable



Seven Rivers Compressor Station ■ Eddy County, New Mexico  
November 8, 2022 ■ Terracon Project No. KH227007

**Terracon**

**PHOTO 9:** View of Vertical Pothole in CS area



**PHOTO 10:** View of Containment Soil from CS Pothole

Responsive ■ Resourceful ■ Reliable



Seven Rivers Compressor Station ■ Eddy County, New Mexico  
November 8, 2022 ■ Terracon Project No. KH227007

**Terracon**



**PHOTO 11:** View of Excavated Areas backfilled

Responsive ■ Resourceful ■ Reliable

## **APPENDIX D – ANALYTICAL REPORT AND CHAIN OF CUSTODY**





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

---

November 03, 2022

JOSEPH GUESNIER

TERRACON CONSULTANTS

5827 50TH ST. SUITE 1

LUBBOCK, TX 79424

RE: 7 RIVERS

Enclosed are the results of analyses for samples received by the laboratory on 11/02/22 14:15.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

TERRACON CONSULTANTS  
 JOSEPH GUESNIER  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received: 11/02/2022  
 Reported: 11/03/2022  
 Project Name: 7 RIVERS  
 Project Number: KH 227007  
 Project Location: DURANGO

Sampling Date: 11/02/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FS 2 (H225165-01)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/03/2022	ND	1.82	91.1	2.00	0.221	
Toluene*	<0.050	0.050	11/03/2022	ND	2.06	103	2.00	0.371	
Ethylbenzene*	<0.050	0.050	11/03/2022	ND	2.07	103	2.00	0.629	
Total Xylenes*	<0.150	0.150	11/03/2022	ND	6.30	105	6.00	1.09	
Total BTEX	<0.300	0.300	11/03/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 89.2 % 69.9-140

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/03/2022	ND	196	97.9	200	0.950	
DRO >C10-C28*	<10.0	10.0	11/03/2022	ND	184	92.0	200	0.902	
EXT DRO >C28-C36	<10.0	10.0	11/03/2022	ND					

Surrogate: 1-Chlorooctane 86.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 94.6 % 46.3-178

Cardinal Laboratories

\*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

TERRACON CONSULTANTS  
 JOSEPH GUESNIER  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received: 11/02/2022  
 Reported: 11/03/2022  
 Project Name: 7 RIVERS  
 Project Number: KH 227007  
 Project Location: DURANGO

Sampling Date: 11/02/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FS 3 (H225165-02)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/03/2022	ND	1.82	91.1	2.00	0.221		
Toluene*	<0.050	0.050	11/03/2022	ND	2.06	103	2.00	0.371		
Ethylbenzene*	<0.050	0.050	11/03/2022	ND	2.07	103	2.00	0.629		
Total Xylenes*	<0.150	0.150	11/03/2022	ND	6.30	105	6.00	1.09		
Total BTX	<0.300	0.300	11/03/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 89.2 % 69.9-140

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/03/2022	ND	196	97.9	200	0.950	
DRO >C10-C28*	<10.0	10.0	11/03/2022	ND	184	92.0	200	0.902	
EXT DRO >C28-C36	<10.0	10.0	11/03/2022	ND					

Surrogate: 1-Chlorooctane 84.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 91.1 % 46.3-178

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

TERRACON CONSULTANTS  
 JOSEPH GUESNIER  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received: 11/02/2022  
 Reported: 11/03/2022  
 Project Name: 7 RIVERS  
 Project Number: KH 227007  
 Project Location: DURANGO

Sampling Date: 11/02/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FS 4 (H225165-03)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/03/2022	ND	1.82	91.1	2.00	0.221		
Toluene*	<0.050	0.050	11/03/2022	ND	2.06	103	2.00	0.371		
Ethylbenzene*	<0.050	0.050	11/03/2022	ND	2.07	103	2.00	0.629		
Total Xylenes*	<0.150	0.150	11/03/2022	ND	6.30	105	6.00	1.09		
Total BTEx	<0.300	0.300	11/03/2022	ND						

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

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/03/2022	ND	196	97.9	200	0.950	
DRO >C10-C28*	32.2	10.0	11/03/2022	ND	184	92.0	200	0.902	
EXT DRO >C28-C36	21.9	10.0	11/03/2022	ND					

Surrogate: 1-Chlorooctane 92.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 107 % 46.3-178

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

TERRACON CONSULTANTS  
 JOSEPH GUESNIER  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received: 11/02/2022  
 Reported: 11/03/2022  
 Project Name: 7 RIVERS  
 Project Number: KH 227007  
 Project Location: DURANGO

Sampling Date: 11/02/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FS 5 (H225165-04)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/03/2022	ND	1.82	91.1	2.00	0.221	
Toluene*	<0.050	0.050	11/03/2022	ND	2.06	103	2.00	0.371	
Ethylbenzene*	<0.050	0.050	11/03/2022	ND	2.07	103	2.00	0.629	
Total Xylenes*	<0.150	0.150	11/03/2022	ND	6.30	105	6.00	1.09	
Total BTX	<0.300	0.300	11/03/2022	ND					

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

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/03/2022	ND	196	97.9	200	0.950	
DRO >C10-C28*	<10.0	10.0	11/03/2022	ND	184	92.0	200	0.902	
EXT DRO >C28-C36	<10.0	10.0	11/03/2022	ND					

Surrogate: 1-Chlorooctane 82.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 90.4 % 46.3-178

Cardinal Laboratories

\*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager





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

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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

---

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.

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

---

Celey D. Keene, Lab Director/Quality Manager



**101 East Marland, Hobbs, NM 88240  
(575) 393-2326 FAX (575) 393-2476**

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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

---

November 02, 2022

JOSEPH GUESNIER

TERRACON CONSULTANTS

5827 50TH ST. SUITE 1

LUBBOCK, TX 79424

RE: 7 RIVERS

Enclosed are the results of analyses for samples received by the laboratory on 11/01/22 14:19.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

TERRACON CONSULTANTS  
 JOSEPH GUESNIER  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received: 11/01/2022  
 Reported: 11/02/2022  
 Project Name: 7 RIVERS  
 Project Number: KH 227007  
 Project Location: DURANGO

Sampling Date: 11/01/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: E. APP. 0-.5' (H225137-01)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/02/2022	ND	1.78	89.2	2.00	2.75	
Toluene*	<0.050	0.050	11/02/2022	ND	1.91	95.5	2.00	4.11	
Ethylbenzene*	<0.050	0.050	11/02/2022	ND	1.95	97.6	2.00	2.90	
Total Xylenes*	<0.150	0.150	11/02/2022	ND	5.94	99.0	6.00	4.63	
Total BTEX	<0.300	0.300	11/02/2022	ND					

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

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/02/2022	ND	196	98.1	200	5.10	
DRO >C10-C28*	<10.0	10.0	11/02/2022	ND	197	98.4	200	17.2	
EXT DRO >C28-C36	<10.0	10.0	11/02/2022	ND					

Surrogate: 1-Chlorooctane 70.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 82.0 % 46.3-178

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

TERRACON CONSULTANTS  
 JOSEPH GUESNIER  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received: 11/01/2022  
 Reported: 11/02/2022  
 Project Name: 7 RIVERS  
 Project Number: KH 227007  
 Project Location: DURANGO

Sampling Date: 11/01/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: 2TN 1.1 0-.5' (H225137-02)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/02/2022	ND	1.78	89.2	2.00	2.75		
Toluene*	<0.050	0.050	11/02/2022	ND	1.91	95.5	2.00	4.11		
Ethylbenzene*	<0.050	0.050	11/02/2022	ND	1.95	97.6	2.00	2.90		
Total Xylenes*	0.235	0.150	11/02/2022	ND	5.94	99.0	6.00	4.63	GC-NC1	
Total BTEx	<0.300	0.300	11/02/2022	ND						

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

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/02/2022	ND	196	98.1	200	5.10	
<b>DRO &gt;C10-C28*</b>	<b>44.4</b>	10.0	11/02/2022	ND	197	98.4	200	17.2	
EXT DRO >C28-C36	<10.0	10.0	11/02/2022	ND					

Surrogate: 1-Chlorooctane 66.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 79.0 % 46.3-178

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

TERRACON CONSULTANTS  
 JOSEPH GUESNIER  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received: 11/01/2022  
 Reported: 11/02/2022  
 Project Name: 7 RIVERS  
 Project Number: KH 227007  
 Project Location: DURANGO

Sampling Date: 11/01/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: 2TN 1.2 0-.5' (H225137-03)**

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/02/2022	ND	1.78	89.2	2.00	2.75		
Toluene*	<0.050	0.050	11/02/2022	ND	1.91	95.5	2.00	4.11		
Ethylbenzene*	<0.050	0.050	11/02/2022	ND	1.95	97.6	2.00	2.90		
Total Xylenes*	<0.150	0.150	11/02/2022	ND	5.94	99.0	6.00	4.63		
Total BTX	<0.300	0.300	11/02/2022	ND						

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

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/02/2022	ND	196	98.1	200	5.10	
<b>DRO &gt;C10-C28*</b>	<b>114</b>	10.0	11/02/2022	ND	197	98.4	200	17.2	
EXT DRO >C28-C36	<10.0	10.0	11/02/2022	ND					

Surrogate: 1-Chlorooctane 70.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 86.8 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

TERRACON CONSULTANTS  
 JOSEPH GUESNIER  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received: 11/01/2022  
 Reported: 11/02/2022  
 Project Name: 7 RIVERS  
 Project Number: KH 227007  
 Project Location: DURANGO

Sampling Date: 11/01/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: 3TS 1.1 0-.5' (H225137-04)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/02/2022	ND	1.78	89.2	2.00	2.75		
Toluene*	<0.050	0.050	11/02/2022	ND	1.91	95.5	2.00	4.11		
Ethylbenzene*	<0.050	0.050	11/02/2022	ND	1.95	97.6	2.00	2.90		
Total Xylenes*	<0.150	0.150	11/02/2022	ND	5.94	99.0	6.00	4.63		
Total BTEx	<0.300	0.300	11/02/2022	ND						

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

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/02/2022	ND	196	98.1	200	5.10	
<b>DRO &gt;C10-C28*</b>	<b>73.4</b>	10.0	11/02/2022	ND	197	98.4	200	17.2	
EXT DRO >C28-C36	<10.0	10.0	11/02/2022	ND					

Surrogate: 1-Chlorooctane 69.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 83.1 % 46.3-178

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TERRACON CONSULTANTS  
 JOSEPH GUESNIER  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received: 11/01/2022  
 Reported: 11/02/2022  
 Project Name: 7 RIVERS  
 Project Number: KH 227007  
 Project Location: DURANGO

Sampling Date: 11/01/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: 3TS 1.2 0-.5' (H225137-05)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/02/2022	ND	1.78	89.2	2.00	2.75		
Toluene*	<0.050	0.050	11/02/2022	ND	1.91	95.5	2.00	4.11		
Ethylbenzene*	<0.050	0.050	11/02/2022	ND	1.95	97.6	2.00	2.90		
Total Xylenes*	<0.150	0.150	11/02/2022	ND	5.94	99.0	6.00	4.63		
Total BTEx	<0.300	0.300	11/02/2022	ND						

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

TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/02/2022	ND	196	98.1	200	5.10	
DRO >C10-C28*	74.8	10.0	11/02/2022	ND	197	98.4	200	17.2	
EXT DRO >C28-C36	<10.0	10.0	11/02/2022	ND					

Surrogate: 1-Chlorooctane 81.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 101 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager





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### Notes and Definitions

GC-NC1	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with interfering compounds.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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

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Celey D. Keene, Lab Director/Quality Manager



101 East Marland, Hobbs, NM 88240  
(575) 393-2326 FAX (575) 393-2476

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>Peracore</u>		P.O. #:		BILL TO		ANALYSIS REQUEST	
Project Manager: <u>Joseph Guesner</u>		Company: <u>Durango</u>					
Address: <u>4518 W. Pierce St.</u>		Attn: <u>Archie Groves</u>					
City: <u>Carlsbad</u>		Address:					
Phone #: <u>806 507 7057</u>		City:					
Fax #: <u>88220</u>		State:					
Project #: <u>KH227007</u>		Zip:					
Project Name: <u>7 Rivers</u>		Phone #:					
Project Location:		Fax #:					
Sampler Name: <u>Travis Casey</u>		SAMPLING					
FOR LAB USE ONLY		PRESERV.					
Lab I.D.		DATE					
Sample I.D.		TIME					
1 <u>H26137</u>		9:41					
2 <u>E. App.</u>		10:04					
3 <u>2TH1.1</u>		10:06					
4 <u>2TH1.2</u>		10:08					
5 <u>3TS 1.1</u>		10:00					
6 <u>3TS 1.2</u>							
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PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

---

November 01, 2022

JOSEPH GUESNIER

TERRACON CONSULTANTS

5827 50TH ST. SUITE 1

LUBBOCK, TX 79424

RE: 7 RIVERS

Enclosed are the results of analyses for samples received by the laboratory on 10/28/22 13:33.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

TERRACON CONSULTANTS  
 JOSEPH GUESNIER  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received: 10/28/2022  
 Reported: 11/01/2022  
 Project Name: 7 RIVERS  
 Project Number: KH 227007  
 Project Location: DURANGO

Sampling Date: 10/28/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - SW 0-25' (H225100-01)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/01/2022	ND	1.85	92.5	2.00	3.86		
Toluene*	<0.050	0.050	11/01/2022	ND	2.05	102	2.00	3.67		
Ethylbenzene*	<0.050	0.050	11/01/2022	ND	2.04	102	2.00	6.08		
Total Xylenes*	<0.150	0.150	11/01/2022	ND	6.19	103	6.00	6.62		
Total BTEx	<0.300	0.300	11/01/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 89.5 % 69.9-140

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2022	ND	214	107	200	0.0725	
DRO >C10-C28*	<10.0	10.0	11/01/2022	ND	211	105	200	7.82	
EXT DRO >C28-C36	<10.0	10.0	11/01/2022	ND					

Surrogate: 1-Chlorooctane 90.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 110 % 46.3-178

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

TERRACON CONSULTANTS  
 JOSEPH GUESNIER  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received: 10/28/2022  
 Reported: 11/01/2022  
 Project Name: 7 RIVERS  
 Project Number: KH 227007  
 Project Location: DURANGO

Sampling Date: 10/28/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: W - SW 0-25' (H225100-02)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/01/2022	ND	1.85	92.5	2.00	3.86		
Toluene*	<0.050	0.050	11/01/2022	ND	2.05	102	2.00	3.67		
Ethylbenzene*	<0.050	0.050	11/01/2022	ND	2.04	102	2.00	6.08		
Total Xylenes*	<0.150	0.150	11/01/2022	ND	6.19	103	6.00	6.62		
Total BTEx	<0.300	0.300	11/01/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 87.9 % 69.9-140

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2022	ND	214	107	200	0.0725	
DRO >C10-C28*	<10.0	10.0	11/01/2022	ND	211	105	200	7.82	
EXT DRO >C28-C36	<10.0	10.0	11/01/2022	ND					

Surrogate: 1-Chlorooctane 96.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 116 % 46.3-178

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

TERRACON CONSULTANTS  
 JOSEPH GUESNIER  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received: 10/28/2022  
 Reported: 11/01/2022  
 Project Name: 7 RIVERS  
 Project Number: KH 227007  
 Project Location: DURANGO

Sampling Date: 10/28/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: NW - SW 0-25' (H225100-03)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/01/2022	ND	1.85	92.5	2.00	3.86		
Toluene*	<0.050	0.050	11/01/2022	ND	2.05	102	2.00	3.67		
Ethylbenzene*	<0.050	0.050	11/01/2022	ND	2.04	102	2.00	6.08		
Total Xylenes*	<0.150	0.150	11/01/2022	ND	6.19	103	6.00	6.62		
Total BTEx	<0.300	0.300	11/01/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 88.7 % 69.9-140

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2022	ND	214	107	200	0.0725	
<b>DRO &gt;C10-C28*</b>	<b>35.7</b>	10.0	11/01/2022	ND	211	105	200	7.82	
EXT DRO >C28-C36	<10.0	10.0	11/01/2022	ND					

Surrogate: 1-Chlorooctane 83.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 102 % 46.3-178

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

TERRACON CONSULTANTS  
 JOSEPH GUESNIER  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received: 10/28/2022  
 Reported: 11/01/2022  
 Project Name: 7 RIVERS  
 Project Number: KH 227007  
 Project Location: DURANGO

Sampling Date: 10/28/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: E - SW 0-25' (H225100-04)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/01/2022	ND	1.85	92.5	2.00	3.86		
Toluene*	<0.050	0.050	11/01/2022	ND	2.05	102	2.00	3.67		
Ethylbenzene*	<0.050	0.050	11/01/2022	ND	2.04	102	2.00	6.08		
Total Xylenes*	<0.150	0.150	11/01/2022	ND	6.19	103	6.00	6.62		
Total BTX	<0.300	0.300	11/01/2022	ND						

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

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2022	ND	214	107	200	0.0725	
DRO >C10-C28*	<10.0	10.0	11/01/2022	ND	211	105	200	7.82	
EXT DRO >C28-C36	<10.0	10.0	11/01/2022	ND					

Surrogate: 1-Chlorooctane 92.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 112 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TERRACON CONSULTANTS  
 JOSEPH GUESNIER  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received: 10/28/2022  
 Reported: 11/01/2022  
 Project Name: 7 RIVERS  
 Project Number: KH 227007  
 Project Location: DURANGO

Sampling Date: 10/28/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: NE - SW 0-25' (H225100-05)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/01/2022	ND	1.85	92.5	2.00	3.86		
Toluene*	<0.050	0.050	11/01/2022	ND	2.05	102	2.00	3.67		
Ethylbenzene*	<0.050	0.050	11/01/2022	ND	2.04	102	2.00	6.08		
Total Xylenes*	<0.150	0.150	11/01/2022	ND	6.19	103	6.00	6.62		
Total BTEx	<0.300	0.300	11/01/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 90.2 % 69.9-140

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2022	ND	214	107	200	0.0725	
DRO >C10-C28*	<10.0	10.0	11/01/2022	ND	211	105	200	7.82	
EXT DRO >C28-C36	<10.0	10.0	11/01/2022	ND					

Surrogate: 1-Chlorooctane 94.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 114 % 46.3-178

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**Analytical Results For:**

TERRACON CONSULTANTS  
 JOSEPH GUESNIER  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received: 10/28/2022  
 Reported: 11/01/2022  
 Project Name: 7 RIVERS  
 Project Number: KH 227007  
 Project Location: DURANGO

Sampling Date: 10/28/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: NF S 01 25' (H225100-06)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/01/2022	ND	1.85	92.5	2.00	3.86		
Toluene*	<0.050	0.050	11/01/2022	ND	2.05	102	2.00	3.67		
Ethylbenzene*	<0.050	0.050	11/01/2022	ND	2.04	102	2.00	6.08	GC-NC	
Total Xylenes*	<0.150	0.150	11/01/2022	ND	6.19	103	6.00	6.62		
Total BTEx	<0.300	0.300	11/01/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 90.8 % 69.9-140

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2022	ND	214	107	200	0.0725	
<b>DRO &gt;C10-C28*</b>	<b>34.3</b>	10.0	11/01/2022	ND	211	105	200	7.82	
EXT DRO >C28-C36	<10.0	10.0	11/01/2022	ND					

Surrogate: 1-Chlorooctane 91.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 113 % 46.3-178

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### Notes and Definitions

GC-NC	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are reported as ND.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

---

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

---

Celey D. Keene, Lab Director/Quality Manager





**101 East Marland, Hobbs, NM 88240  
(575) 393-2326 FAX (575) 393-2476**

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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

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October 31, 2022

JOSEPH GUESNIER

TERRACON CONSULTANTS

5827 50TH ST. SUITE 1

LUBBOCK, TX 79424

RE: SEVEN RIVERS COMPRESSOR STATION

Enclosed are the results of analyses for samples received by the laboratory on 10/27/22 12:49.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

TERRACON CONSULTANTS  
 JOSEPH GUESNIER  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received:	10/27/2022	Sampling Date:	10/25/2022
Reported:	10/31/2022	Sampling Type:	Soil
Project Name:	SEVEN RIVERS COMPRESSOR STATION	Sampling Condition:	Cool & Intact
Project Number:	KH227007	Sample Received By:	Tamara Oldaker
Project Location:	DURANGO 32.382037,-104.32953		

**Sample ID: N1. 1 (H225072-01)**

BTEX 8260B		mg/kg	Analyzed By: MS					S-05	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.025	0.025	10/30/2022	ND	1.86	92.9	2.00	0.962	
Toluene*	<0.025	0.025	10/30/2022	ND	1.82	91.0	2.00	2.50	
Ethylbenzene*	<0.025	0.025	10/30/2022	ND	1.89	94.4	2.00	0.623	
Total Xylenes*	<0.075	0.075	10/30/2022	ND	5.80	96.7	6.00	0.847	
Total BTEX	<0.150	0.150	10/30/2022	ND					

Surrogate: Dibromofluoromethane 101 % 83.7-114

Surrogate: Toluene-d8 93.4 % 95.3-107

Surrogate: 4-Bromofluorobenzene 102 % 50.9-150

TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/27/2022	ND	232	116	200	3.13	
<b>DRO &gt;C10-C28*</b>	<b>28.7</b>	10.0	10/27/2022	ND	226	113	200	0.0500	
EXT DRO >C28-C36	<10.0	10.0	10/27/2022	ND					

Surrogate: 1-Chlorooctane 96.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 114 % 46.3-178

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

TERRACON CONSULTANTS  
 JOSEPH GUESNIER  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received: 10/27/2022  
 Reported: 10/31/2022  
 Project Name: SEVEN RIVERS COMPRESSOR STATION  
 Project Number: KH227007  
 Project Location: DURANGO 32.382037,-104.32953

Sampling Date: 10/25/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: N1. 2 (H225072-02)**

BTEX 8260B	mg/kg		Analyzed By: MS					S-05	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.025	0.025	10/30/2022	ND	1.86	92.9	2.00	0.962	
Toluene*	<0.025	0.025	10/30/2022	ND	1.82	91.0	2.00	2.50	
Ethylbenzene*	<0.025	0.025	10/30/2022	ND	1.89	94.4	2.00	0.623	
<b>Total Xylenes*</b>	<b>0.179</b>	0.075	10/30/2022	ND	5.80	96.7	6.00	0.847	
<b>Total BTEX</b>	<b>0.179</b>	0.150	10/30/2022	ND					

Surrogate: Dibromofluoromethane 100 % 83.7-114  
 Surrogate: Toluene-d8 93.1 % 95.3-107  
 Surrogate: 4-Bromofluorobenzene 104 % 50.9-150

TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/27/2022	ND	232	116	200	3.13	
<b>DRO &gt;C10-C28*</b>	<b>10.2</b>	10.0	10/27/2022	ND	226	113	200	0.0500	
EXT DRO >C28-C36	<10.0	10.0	10/27/2022	ND					

Surrogate: 1-Chlorooctane 102 % 45.3-161  
 Surrogate: 1-Chlorooctadecane 122 % 46.3-178

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

TERRACON CONSULTANTS  
 JOSEPH GUESNIER  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received: 10/27/2022  
 Reported: 10/31/2022  
 Project Name: SEVEN RIVERS COMPRESSOR STATION  
 Project Number: KH227007  
 Project Location: DURANGO 32.382037,-104.32953

Sampling Date: 10/25/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S1. 1 (H225072-03)**

BTX 8260B		mg/kg		Analyzed By: MS				S-05		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.025	0.025	10/30/2022	ND	1.86	92.9	2.00	0.962		
Toluene*	<0.025	0.025	10/30/2022	ND	1.82	91.0	2.00	2.50		
Ethylbenzene*	<0.025	0.025	10/30/2022	ND	1.89	94.4	2.00	0.623		
Total Xylenes*	<0.075	0.075	10/30/2022	ND	5.80	96.7	6.00	0.847		
Total BTX	<0.150	0.150	10/30/2022	ND						

Surrogate: Dibromofluoromethane 96.3 % 83.7-114  
 Surrogate: Toluene-d8 94.3 % 95.3-107  
 Surrogate: 4-Bromofluorobenzene 100 % 50.9-150

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/27/2022	ND	232	116	200	3.13		
<b>DRO &gt;C10-C28*</b>	<b>14.5</b>	10.0	10/27/2022	ND	226	113	200	0.0500		
EXT DRO >C28-C36	<10.0	10.0	10/27/2022	ND						

Surrogate: 1-Chlorooctane 105 % 45.3-161  
 Surrogate: 1-Chlorooctadecane 128 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

TERRACON CONSULTANTS  
 JOSEPH GUESNIER  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received: 10/27/2022  
 Reported: 10/31/2022  
 Project Name: SEVEN RIVERS COMPRESSOR STATION  
 Project Number: KH227007  
 Project Location: DURANGO 32.382037,-104.32953

Sampling Date: 10/25/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S1. 2 (H225072-04)**

BTX 8260B		mg/kg		Analyzed By: MS				S-05	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.025	0.025	10/30/2022	ND	1.86	92.9	2.00	0.962	
Toluene*	<0.025	0.025	10/30/2022	ND	1.82	91.0	2.00	2.50	
Ethylbenzene*	<0.025	0.025	10/30/2022	ND	1.89	94.4	2.00	0.623	
Total Xylenes*	<0.075	0.075	10/30/2022	ND	5.80	96.7	6.00	0.847	
Total BTX	<0.150	0.150	10/30/2022	ND					

Surrogate: Dibromofluoromethane 95.7 % 83.7-114  
 Surrogate: Toluene-d8 93.3 % 95.3-107  
 Surrogate: 4-Bromofluorobenzene 98.8 % 50.9-150

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/27/2022	ND	232	116	200	3.13	
<b>DRO &gt;C10-C28*</b>	<b>11.7</b>	10.0	10/27/2022	ND	226	113	200	0.0500	
EXT DRO >C28-C36	<10.0	10.0	10/27/2022	ND					

Surrogate: 1-Chlorooctane 80.6 % 45.3-161  
 Surrogate: 1-Chlorooctadecane 97.1 % 46.3-178

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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---

### Notes and Definitions

S-05	The surrogate recovery is outside of lab established statistical control limits but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

---

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

---

Celey D. Keene, Lab Director/Quality Manager



101 East Marland, Hobbs, NM 88240  
(575) 393-2326 FAX (575) 393-2476

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

<b>Company Name:</b> Terracon <b>Project Manager:</b> Joseph Guesnier <b>Address:</b> 4518 W. Perice Street <b>City:</b> Carlsbad <b>Phone #:</b> 8065077057 <b>Project #:</b> KH23007 <b>Project Name:</b> Seven Rivers Compassa Station <b>Project Location:</b> <b>Sampler Name:</b> Travis Casey				<b>P.O. #:</b> <b>Company:</b> Delcayco <b>Attn:</b> Amber Carraway <b>Address:</b> <b>City:</b> <b>State:</b> <b>Zip:</b> <b>Phone #:</b> <b>Fax #:</b>							
<b>FOR LAB USE ONLY</b>				<b>LAB I.D.</b>				<b>Sample I.D.</b>			
<b>Relinquished By:</b> [Signature]				<b>Received By:</b> [Signature]				<b>Verbal Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #:			
<b>Relinquished By:</b> [Signature]				<b>Received By:</b> [Signature]				<b>REMARKS:</b> Joseph.guesnier@terracon.com; travis.casey@terracon.com; austin.worley@terracon.com; michael.adams@terracon.com			
<b>Delivered By:</b> (Circle One) <input checked="" type="checkbox"/> Observed Temp. °C 37 <input type="checkbox"/> Corrected Temp. °C 3.1				<b>Sample Condition</b> <input checked="" type="checkbox"/> Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No				<b>CHECKED BY:</b> [Signature]			
<b>Turnaround Time:</b> Standard <input type="checkbox"/> Rush <input checked="" type="checkbox"/>				<b>Bacteria (only)</b> <input type="checkbox"/> Sample Condition <input type="checkbox"/> Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No				<b>Observed Temp. °C</b>			



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

October 31, 2022

JOSEPH GUESNIER

TERRACON CONSULTANTS

5827 50TH ST. SUITE 1

LUBBOCK, TX 79424

RE: SEVEN RIVERS COMPRESSOR STATION

Enclosed are the results of analyses for samples received by the laboratory on 10/27/22 12:49.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager





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**Analytical Results For:**

TERRACON CONSULTANTS  
 JOSEPH GUESNIER  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received:	10/27/2022	Sampling Date:	10/27/2022
Reported:	10/31/2022	Sampling Type:	Soil
Project Name:	SEVEN RIVERS COMPRESSOR STATION	Sampling Condition:	Cool & Intact
Project Number:	KH227007	Sample Received By:	Tamara Oldaker
Project Location:	DURANGO 32.382037,-104.32953		

**Sample ID: 2T - S1.3 (H225071-01)**

BTEX 8260B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.025	0.025	10/30/2022	ND	1.86	92.9	2.00	0.962		
Toluene*	<0.025	0.025	10/30/2022	ND	1.82	91.0	2.00	2.50		
Ethylbenzene*	<0.025	0.025	10/30/2022	ND	1.89	94.4	2.00	0.623		
Total Xylenes*	<0.075	0.075	10/30/2022	ND	5.80	96.7	6.00	0.847		
Total BTEX	<0.150	0.150	10/30/2022	ND						

Surrogate: Dibromofluoromethane 102 % 83.7-114

Surrogate: Toluene-d8 97.5 % 95.3-107

Surrogate: 4-Bromofluorobenzene 99.6 % 50.9-150

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/27/2022	ND	232	116	200	3.13	
DRO >C10-C28*	93.5	10.0	10/27/2022	ND	226	113	200	0.0500	
EXT DRO >C28-C36	42.3	10.0	10/27/2022	ND					

Surrogate: 1-Chlorooctane 89.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 111 % 46.3-178

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TERRACON CONSULTANTS  
 JOSEPH GUESNIER  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received: 10/27/2022  
 Reported: 10/31/2022  
 Project Name: SEVEN RIVERS COMPRESSOR STATION  
 Project Number: KH227007  
 Project Location: DURANGO 32.382037,-104.32953

Sampling Date: 10/27/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: 2T - S1.2 (H225071-02)**

BTX 8260B		mg/kg		Analyzed By: MS				S-05	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.025	0.025	10/30/2022	ND	1.86	92.9	2.00	0.962	
Toluene*	<0.025	0.025	10/30/2022	ND	1.82	91.0	2.00	2.50	
Ethylbenzene*	<0.025	0.025	10/30/2022	ND	1.89	94.4	2.00	0.623	
Total Xylenes*	<0.075	0.075	10/30/2022	ND	5.80	96.7	6.00	0.847	
Total BTX	<0.150	0.150	10/30/2022	ND					

Surrogate: Dibromofluoromethane 104 % 83.7-114  
 Surrogate: Toluene-d8 91.6 % 95.3-107  
 Surrogate: 4-Bromofluorobenzene 105 % 50.9-150

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/27/2022	ND	232	116	200	3.13	
<b>DRO &gt;C10-C28*</b>	<b>51.7</b>	10.0	10/27/2022	ND	226	113	200	0.0500	
<b>EXT DRO &gt;C28-C36</b>	<b>11.9</b>	10.0	10/27/2022	ND					

Surrogate: 1-Chlorooctane 99.2 % 45.3-161  
 Surrogate: 1-Chlorooctadecane 118 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TERRACON CONSULTANTS  
 JOSEPH GUESNIER  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received: 10/27/2022  
 Reported: 10/31/2022  
 Project Name: SEVEN RIVERS COMPRESSOR STATION  
 Project Number: KH227007  
 Project Location: DURANGO 32.382037,-104.32953

Sampling Date: 10/27/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: 2T - S1.1 (H225071-03)**

BTX 8260B		mg/kg		Analyzed By: MS				S-05	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.025	0.025	10/30/2022	ND	1.86	92.9	2.00	0.962	
Toluene*	<0.025	0.025	10/30/2022	ND	1.82	91.0	2.00	2.50	
Ethylbenzene*	<0.025	0.025	10/30/2022	ND	1.89	94.4	2.00	0.623	
Total Xylenes*	<0.075	0.075	10/30/2022	ND	5.80	96.7	6.00	0.847	
Total BTX	<0.150	0.150	10/30/2022	ND					

Surrogate: Dibromofluoromethane 99.1 % 83.7-114  
 Surrogate: Toluene-d8 92.6 % 95.3-107  
 Surrogate: 4-Bromofluorobenzene 100 % 50.9-150

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/27/2022	ND	232	116	200	3.13	
<b>DRO &gt;C10-C28*</b>	<b>39.5</b>	10.0	10/27/2022	ND	226	113	200	0.0500	
EXT DRO >C28-C36	<10.0	10.0	10/27/2022	ND					

Surrogate: 1-Chlorooctane 107 % 45.3-161  
 Surrogate: 1-Chlorooctadecane 126 % 46.3-178

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**Analytical Results For:**

TERRACON CONSULTANTS  
 JOSEPH GUESNIER  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received: 10/27/2022  
 Reported: 10/31/2022  
 Project Name: SEVEN RIVERS COMPRESSOR STATION  
 Project Number: KH227007  
 Project Location: DURANGO 32.382037,-104.32953

Sampling Date: 10/27/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: N1. 1 (H225071-04)**

BTX 8260B		mg/kg		Analyzed By: MS				S-05		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.025	0.025	10/30/2022	ND	1.86	92.9	2.00	0.962		
Toluene*	<0.025	0.025	10/30/2022	ND	1.82	91.0	2.00	2.50		
Ethylbenzene*	<0.025	0.025	10/30/2022	ND	1.89	94.4	2.00	0.623		
Total Xylenes*	<0.075	0.075	10/30/2022	ND	5.80	96.7	6.00	0.847		
Total BTX	<0.150	0.150	10/30/2022	ND						

Surrogate: Dibromofluoromethane 95.0 % 83.7-114  
 Surrogate: Toluene-d8 93.0 % 95.3-107  
 Surrogate: 4-Bromofluorobenzene 99.6 % 50.9-150

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/27/2022	ND	232	116	200	3.13	
DRO >C10-C28*	134	10.0	10/27/2022	ND	226	113	200	0.0500	
EXT DRO >C28-C36	56.0	10.0	10/27/2022	ND					

Surrogate: 1-Chlorooctane 96.5 % 45.3-161  
 Surrogate: 1-Chlorooctadecane 121 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TERRACON CONSULTANTS  
 JOSEPH GUESNIER  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received: 10/27/2022  
 Reported: 10/31/2022  
 Project Name: SEVEN RIVERS COMPRESSOR STATION  
 Project Number: KH227007  
 Project Location: DURANGO 32.382037,-104.32953

Sampling Date: 10/27/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: N1. 2 (H225071-05)**

BTX 8260B		mg/kg		Analyzed By: MS				S-05		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.025	0.025	10/30/2022	ND	1.86	92.9	2.00	0.962		
Toluene*	<0.025	0.025	10/30/2022	ND	1.82	91.0	2.00	2.50		
Ethylbenzene*	<0.025	0.025	10/30/2022	ND	1.89	94.4	2.00	0.623		
Total Xylenes*	<0.075	0.075	10/30/2022	ND	5.80	96.7	6.00	0.847		
Total BTX	<0.150	0.150	10/30/2022	ND						

Surrogate: Dibromofluoromethane 98.1 % 83.7-114  
 Surrogate: Toluene-d8 94.6 % 95.3-107  
 Surrogate: 4-Bromofluorobenzene 102 % 50.9-150

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/27/2022	ND	232	116	200	3.13	
DRO >C10-C28*	39.8	10.0	10/27/2022	ND	226	113	200	0.0500	
EXT DRO >C28-C36	13.6	10.0	10/27/2022	ND					

Surrogate: 1-Chlorooctane 103 % 45.3-161  
 Surrogate: 1-Chlorooctadecane 124 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TERRACON CONSULTANTS  
 JOSEPH GUESNIER  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received: 10/27/2022  
 Reported: 10/31/2022  
 Project Name: SEVEN RIVERS COMPRESSOR STATION  
 Project Number: KH227007  
 Project Location: DURANGO 32.382037,-104.32953

Sampling Date: 10/27/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: N1. 3 (H225071-06)**

BTX 8260B		mg/kg		Analyzed By: MS				S-05		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.025	0.025	10/30/2022	ND	1.86	92.9	2.00	0.962		
Toluene*	<0.025	0.025	10/30/2022	ND	1.82	91.0	2.00	2.50		
Ethylbenzene*	<0.025	0.025	10/30/2022	ND	1.89	94.4	2.00	0.623		
Total Xylenes*	<0.075	0.075	10/30/2022	ND	5.80	96.7	6.00	0.847		
Total BTX	<0.150	0.150	10/30/2022	ND						

Surrogate: Dibromofluoromethane 98.4 % 83.7-114  
 Surrogate: Toluene-d8 93.0 % 95.3-107  
 Surrogate: 4-Bromofluorobenzene 102 % 50.9-150

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/27/2022	ND	232	116	200	3.13	
DRO >C10-C28*	43.9	10.0	10/27/2022	ND	226	113	200	0.0500	
EXT DRO >C28-C36	11.2	10.0	10/27/2022	ND					

Surrogate: 1-Chlorooctane 105 % 45.3-161  
 Surrogate: 1-Chlorooctadecane 127 % 46.3-178

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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### Notes and Definitions

S-05	The surrogate recovery is outside of lab established statistical control limits but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

---

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\*=Accredited Analyte

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

---

Celey D. Keene, Lab Director/Quality Manager



101 East Marland, Hobbs, NM 88240  
(575) 393-2326 FAX (575) 393-2476

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Terracon		<b>BILL TO</b>		<b>ANALYSIS REQUEST</b>	
Project Manager: Joseph Guesnier		P.O. #:			
Address: 4518 W. Perice Street		Company: <i>Durango</i>			
City: Carlsbad		Attn: <i>Amber Groves</i>			
State: NM Zip: 88220		Address:			
Phone #: 8065077057 Fax #:		City:			
Project #: <i>KH227002</i> Project Owner: <i>Durango</i>		State:			
Project Location: <i>Seven Rivers Campground Station</i>		Zip:			
Sampler Name: Travis Casey		Phone #:			
Fax #:					

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	Chloride (EPA Method 4500)	TPH Extended 8015	BTEX (EPA Method 8021B)						
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :											
<i>H225871</i>																				
1	<i>2T-S1.3</i>	<i>C</i>								<i>10/27</i>	<i>0736</i>		<i>X</i>	<i>X</i>						
2	<i>2T-S1.2</i>										<i>0738</i>									
3	<i>2T-S1.1</i>										<i>0740</i>									
4	<i>M1.1</i>										<i>0742</i>									
5	<i>M1.2</i>										<i>0744</i>									
6	<i>N1.3</i>										<i>0746</i>									

FOR LAB USE ONLY		PRESERV.		SAMPLING	
Relinquished By: <i>[Signature]</i>		Received By: <i>[Signature]</i>		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #:	
Date: <i>10-27-21</i>		Time: <i>8:45</i>		All Results are emailed. Please provide Email address:	
Relinquished By: <i>[Signature]</i>		Received By: <i>[Signature]</i>		REMARKS: <i>TPH - Rush! 24hr. - BTEX 3 Day Rush!</i>	
Date: <i>10-27-21</i>		Time: <i>12:49</i>		Turnaround Time: <input type="checkbox"/> Standard <input type="checkbox"/> Rush	
Delivered By: (Circle One) <i>Other</i>		Observed Temp.: <i>3.7</i>		Thermometer ID #113 <i>RUSH</i>	
Sampler - UPS - Bus - Other:		Corrected Temp.: <i>3.1</i>		Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	
				Bacteria (only) Sample Condition <input type="checkbox"/> Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	
				Observed Temp.: <i>3.7</i>	
				Corrected Temp.: <i>3.1</i>	

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



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

---

August 29, 2022

JOSEPH GUESNIER

TERRACON CONSULTANTS

5827 50TH ST. SUITE 1

LUBBOCK, TX 79424

RE: SEVEN RIVERS COMPRESSOR STATION

Enclosed are the results of analyses for samples received by the laboratory on 08/23/22 15:59.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager





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

**Analytical Results For:**

TERRACON CONSULTANTS  
 JOSEPH GUESNIER  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received: 08/23/2022  
 Reported: 08/29/2022  
 Project Name: SEVEN RIVERS COMPRESSOR STATION  
 Project Number: KH227007  
 Project Location: DURANGO 32.382037,-104.32953

Sampling Date: 08/16/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: C - FS 1 19' (H223860-03)**

BTX 8021B		mg/kg		Analyzed By: JH/				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Benzene*</b>	<b>0.126</b>	0.100	08/25/2022	ND	1.88	93.9	2.00	3.10	GC-NC1
<b>Toluene*</b>	<b>5.98</b>	0.100	08/25/2022	ND	1.86	93.1	2.00	2.28	GC-NC1
<b>Ethylbenzene*</b>	<b>4.26</b>	0.100	08/25/2022	ND	1.80	90.1	2.00	2.25	GC-NC1
<b>Total Xylenes*</b>	<b>37.4</b>	0.300	08/25/2022	ND	5.62	93.7	6.00	1.90	
<b>Total BTX</b>	<b>47.8</b>	0.600	08/25/2022	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 230 % 69.9-140

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>GRO C6-C10*</b>	<b>650</b>	10.0	08/24/2022	ND	195	97.5	200	1.63	
<b>DRO &gt;C10-C28*</b>	<b>344</b>	10.0	08/24/2022	ND	201	100	200	1.35	
<b>EXT DRO &gt;C28-C36</b>	<b>98.5</b>	10.0	08/24/2022	ND					

Surrogate: 1-Chlorooctane 100 % 45.3-161

Surrogate: 1-Chlorooctadecane 103 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

TERRACON CONSULTANTS  
 JOSEPH GUESNIER  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received: 08/23/2022  
 Reported: 08/29/2022  
 Project Name: SEVEN RIVERS COMPRESSOR STATION  
 Project Number: KH227007  
 Project Location: DURANGO 32.382037,-104.32953

Sampling Date: 08/16/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: S2 - FS 1 21' (H223860-11)**

BTX 8021B		mg/kg	Analyzed By: JH/					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Benzene*</b>	<b>0.264</b>	0.200	08/25/2022	ND	1.88	93.9	2.00	3.10	GC-NC1
<b>Toluene*</b>	<b>7.94</b>	0.200	08/25/2022	ND	1.86	93.1	2.00	2.28	GC-NC1
<b>Ethylbenzene*</b>	<b>8.02</b>	0.200	08/25/2022	ND	1.80	90.1	2.00	2.25	GC-NC1
<b>Total Xylenes*</b>	<b>99.3</b>	0.600	08/25/2022	ND	5.62	93.7	6.00	1.90	
<b>Total BTX</b>	<b>116</b>	1.20	08/25/2022	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 266 % 69.9-140

TPH 8015M		mg/kg	Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>GRO C6-C10*</b>	<b>1750</b>	10.0	08/24/2022	ND	195	97.5	200	1.63	
<b>DRO &gt;C10-C28*</b>	<b>1490</b>	10.0	08/24/2022	ND	201	100	200	1.35	
<b>EXT DRO &gt;C28-C36</b>	<b>274</b>	10.0	08/24/2022	ND					

Surrogate: 1-Chlorooctane 177 % 45.3-161

Surrogate: 1-Chlorooctadecane 131 % 46.3-178

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

TERRACON CONSULTANTS  
 JOSEPH GUESNIER  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received: 08/23/2022  
 Reported: 08/29/2022  
 Project Name: SEVEN RIVERS COMPRESSOR STATION  
 Project Number: KH227007  
 Project Location: DURANGO 32.382037,-104.32953

Sampling Date: 08/16/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: S2 - FS 1 23' (H223860-12)**

BTX 8021B		mg/kg	Analyzed By: JH/					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/25/2022	ND	1.88	93.9	2.00	3.10	
Toluene*	1.31	0.050	08/25/2022	ND	1.86	93.1	2.00	2.28	GC-NC1
Ethylbenzene*	1.30	0.050	08/25/2022	ND	1.80	90.1	2.00	2.25	GC-NC1
Total Xylenes*	18.2	0.150	08/25/2022	ND	5.62	93.7	6.00	1.90	
Total BTX	20.8	0.300	08/25/2022	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 275 % 69.9-140

TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	383	10.0	08/24/2022	ND	195	97.5	200	1.63	
DRO >C10-C28*	456	10.0	08/24/2022	ND	201	100	200	1.35	
EXT DRO >C28-C36	103	10.0	08/24/2022	ND					

Surrogate: 1-Chlorooctane 128 % 45.3-161

Surrogate: 1-Chlorooctadecane 128 % 46.3-178

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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### Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
GC-NC1	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with interfering compounds.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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

---

Celey D. Keene, Lab Director/Quality Manager



101 East Marland, Hobbs, NM 88240  
(575) 393-2326 FAX (575) 393-2476

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1062

<b>Company Name:</b> <u>Terrell</u> <b>Project Manager:</b> <u>Joseph Grovner</u> <b>Address:</b> <u>4815 W. Pacific St.</u> <b>City:</b> <u>Carlsbad</u> <b>State:</b> <u>NM</u> <b>Zip:</b> <u>88220</u> <b>Phone #:</b> <u>(575) 689-4020</u> <b>Fax #:</b> <u>(506) 797-0947</u> <b>Project #:</b> <u>KH 227007</u> <b>Project Owner:</b> <u>Deane Miskam</u> <b>Project Name:</b> <u>Seven Rivers Compressor Station</u> <b>Project Location:</b> <u>32.382037, -104.32953</u> <b>Sampler Name:</b> <u>Terrell Casey</u>				<b>BILL TO</b> <b>P.O. #:</b> <b>Company:</b> <u>Burgess Mid.</u> <b>Attn:</b> <u>Archie Grovner</u> <b>Address:</b> <b>City:</b> <b>State:</b> <u>NM</u> <b>Zip:</b> <b>Phone #:</b> <u>(505) 793-7942</u> <b>Fax #:</b>				<b>ANALYSIS REQUEST</b>											
<b>FOR LAB USE ONLY</b>				<b>Matrix</b> GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:				<b>PRESERV.</b> ACID/BASE: ICE / COOL OTHER:				<b>SAMPLING</b> DATE TIME				TPH Extended 8015 BTEX (EPA Method 8021B) Hold Sample			
<b>Lab I.D.</b> <b>Sample I.D.</b>				(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:				ACID/BASE: ICE / COOL OTHER:				DATE TIME				TPH Extended 8015 BTEX (EPA Method 8021B) Hold Sample			
10238600 C-FS1 15' 17' 133 C-FS1 18' 1134 C-FS1 19' 1138 C-FS1 21' 1148 C-FS1 23' 1150 C-FS1 26' 1155 C-FS1 27' 1157 C-FS1 29' 1208 C-FS1 15' 1254 C-FS1 17' 1300				1 1 1 1 1 1 1 1 1 1				X X X X X X X X X X				X X X X X X X X X X							

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

<b>Relinquished By:</b> Date: <u>10/3/22</u> Time: <u>1559</u>		<b>Received By:</b> <u>Speedigners</u>	
<b>Relinquished By:</b> Date: _____ Time: _____		<b>Received By:</b> Date: _____ Time: _____	

Delivered By: (Circle One) Observed Temp. °C 1.1°C Sample Condition Intact CHECKED BY: (initials)  
 Sampler - UPS - Bus - Other: Corrected Temp. °C 0.5°C Cool ☐ Yes ☒ No Intact ☐ Yes ☒ No

Turnaround Time: \_\_\_\_\_ Standard Rush ☒ Bacteria (only) ☐ Sample Condition ☐ Observed Temp. °C \_\_\_\_\_  
 Thermometer ID #113 Correction Factor -0.6°C ☐ Yes ☒ No ☐ Yes ☒ No Corrected Temp. °C \_\_\_\_\_

REMARKS: Joseph.Grovner@terrell.com / Travis.Casey@terrell.com

FORM 600 R-33 07/16/22

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]





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

---

August 22, 2022

JOSEPH GUESNIER

TERRACON CONSULTANTS

5827 50TH ST. SUITE 1

LUBBOCK, TX 79424

RE: SEVEN RIVERS COMPRESSOR STATION

Enclosed are the results of analyses for samples received by the laboratory on 08/17/22 16:18.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

TERRACON CONSULTANTS  
 JOSEPH GUESNIER  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received: 08/17/2022  
 Reported: 08/22/2022  
 Project Name: SEVEN RIVERS COMPRESSOR STATION  
 Project Number: KH227007  
 Project Location: DURANGO 32.382037,-104.32953

Sampling Date: 08/17/2022  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Shalyn Rodriguez

**Sample ID: C - FS 1 13' (H223773-01)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2022	ND	2.05	102	2.00	1.60	
Toluene*	0.097	0.050	08/19/2022	ND	2.13	107	2.00	4.05	GC-NC1
Ethylbenzene*	0.134	0.050	08/19/2022	ND	2.10	105	2.00	4.28	GC-NC1
Total Xylenes*	1.18	0.150	08/19/2022	ND	6.55	109	6.00	4.41	
Total BTX	1.41	0.300	08/19/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 122 % 69.9-140

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	14.2	10.0	08/19/2022	ND	212	106	200	0.0548	
DRO >C10-C28*	14.9	10.0	08/19/2022	ND	219	110	200	1.04	
EXT DRO >C28-C36	47.3	10.0	08/19/2022	ND					

Surrogate: 1-Chlorooctane 125 % 43-149

Surrogate: 1-Chlorooctadecane 131 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TERRACON CONSULTANTS  
 JOSEPH GUESNIER  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received: 08/17/2022  
 Reported: 08/22/2022  
 Project Name: SEVEN RIVERS COMPRESSOR STATION  
 Project Number: KH227007  
 Project Location: DURANGO 32.382037,-104.32953

Sampling Date: 08/17/2022  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Shalyn Rodriguez

**Sample ID: S2 - FS 1 13' (H223773-02)**

BTX 8021B		mg/kg	Analyzed By: JH					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	08/19/2022	ND	2.05	102	2.00	1.60	
Toluene*	1.52	0.500	08/19/2022	ND	2.13	107	2.00	4.05	GC-NC1
Ethylbenzene*	3.17	0.500	08/19/2022	ND	2.10	105	2.00	4.28	GC-NC1
Total Xylenes*	20.9	1.50	08/19/2022	ND	6.55	109	6.00	4.41	
Total BTX	25.5	3.00	08/19/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 184 % 69.9-140

TPH 8015M		mg/kg	Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	819	10.0	08/19/2022	ND	212	106	200	0.0548	
DRO >C10-C28*	1370	10.0	08/19/2022	ND	219	110	200	1.04	
EXT DRO >C28-C36	371	10.0	08/19/2022	ND					

Surrogate: 1-Chlorooctane 172 % 43-149

Surrogate: 1-Chlorooctadecane 166 % 42.5-161

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**Analytical Results For:**

TERRACON CONSULTANTS  
 JOSEPH GUESNIER  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received: 08/17/2022  
 Reported: 08/22/2022  
 Project Name: SEVEN RIVERS COMPRESSOR STATION  
 Project Number: KH227007  
 Project Location: DURANGO 32.382037,-104.32953

Sampling Date: 08/17/2022  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Shalyn Rodriguez

**Sample ID: S2 - FS 1 19' (H223773-03)**

BTX 8021B		mg/kg	Analyzed By: JH					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	08/19/2022	ND	2.05	102	2.00	1.60	
Toluene*	1.45	0.500	08/19/2022	ND	2.13	107	2.00	4.05	GC-NC1
Ethylbenzene*	2.96	0.500	08/19/2022	ND	2.10	105	2.00	4.28	GC-NC1
Total Xylenes*	31.1	1.50	08/19/2022	ND	6.55	109	6.00	4.41	
Total BTX	35.5	3.00	08/19/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 182 % 69.9-140

TPH 8015M		mg/kg	Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	799	10.0	08/18/2022	ND	198	99.0	200	3.84	QM-07, QR-03
DRO >C10-C28*	1330	10.0	08/18/2022	ND	205	103	200	8.21	QM-07
EXT DRO >C28-C36	263	10.0	08/18/2022	ND					

Surrogate: 1-Chlorooctane 223 % 43-149

Surrogate: 1-Chlorooctadecane 198 % 42.5-161

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**Analytical Results For:**

TERRACON CONSULTANTS  
 JOSEPH GUESNIER  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received: 08/17/2022  
 Reported: 08/22/2022  
 Project Name: SEVEN RIVERS COMPRESSOR STATION  
 Project Number: KH227007  
 Project Location: DURANGO 32.382037,-104.32953

Sampling Date: 08/17/2022  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Shalyn Rodriguez

**Sample ID: C - WSW 10-15' (H223773-04)**

BTX 8021B		mg/kg	Analyzed By: JH					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2022	ND	2.05	102	2.00	1.60	
Toluene*	<b>0.116</b>	0.050	08/19/2022	ND	2.13	107	2.00	4.05	GC-NC1
Ethylbenzene*	<b>0.109</b>	0.050	08/19/2022	ND	2.10	105	2.00	4.28	GC-NC1
Total Xylenes*	<b>0.924</b>	0.150	08/19/2022	ND	6.55	109	6.00	4.41	
Total BTX	<b>1.15</b>	0.300	08/19/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 147 % 69.9-140

TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<b>26.4</b>	10.0	08/18/2022	ND	198	99.0	200	3.84	
DRO >C10-C28*	<b>182</b>	10.0	08/18/2022	ND	205	103	200	8.21	
EXT DRO >C28-C36	<b>85.6</b>	10.0	08/18/2022	ND					

Surrogate: 1-Chlorooctane 128 % 43-149

Surrogate: 1-Chlorooctadecane 151 % 42.5-161

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 JOSEPH GUESNIER  
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 LUBBOCK TX, 79424  
 Fax To:

Received: 08/17/2022  
 Reported: 08/22/2022  
 Project Name: SEVEN RIVERS COMPRESSOR STATION  
 Project Number: KH227007  
 Project Location: DURANGO 32.382037,-104.32953

Sampling Date: 08/17/2022  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Shalyn Rodriguez

**Sample ID: C - ESW 10-15' (H223773-05)**

BTEx 8021B		mg/kg	Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2022	ND	2.05	102	2.00	1.60	
Toluene*	<b>0.069</b>	0.050	08/19/2022	ND	2.13	107	2.00	4.05	GC-NC1
Ethylbenzene*	<b>0.052</b>	0.050	08/19/2022	ND	2.10	105	2.00	4.28	GC-NC1
Total Xylenes*	<b>0.553</b>	0.150	08/19/2022	ND	6.55	109	6.00	4.41	
Total BTEX	<b>0.675</b>	0.300	08/19/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 120 % 69.9-140

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	13.8	10.0	08/18/2022	ND	198	99.0	200	3.84	
DRO >C10-C28*	279	10.0	08/18/2022	ND	205	103	200	8.21	
EXT DRO >C28-C36	237	10.0	08/18/2022	ND					

Surrogate: 1-Chlorooctane 123 % 43-149

Surrogate: 1-Chlorooctadecane 195 % 42.5-161

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 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received: 08/17/2022  
 Reported: 08/22/2022  
 Project Name: SEVEN RIVERS COMPRESSOR STATION  
 Project Number: KH227007  
 Project Location: DURANGO 32.382037,-104.32953

Sampling Date: 08/17/2022  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Shalyn Rodriguez

**Sample ID: C - WSW 0-10' (H223773-06)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/19/2022	ND	2.05	102	2.00	1.60		
Toluene*	<0.050	0.050	08/19/2022	ND	2.13	107	2.00	4.05		
Ethylbenzene*	<0.050	0.050	08/19/2022	ND	2.10	105	2.00	4.28		
Total Xylenes*	<0.150	0.150	08/19/2022	ND	6.55	109	6.00	4.41		
Total BTX	<0.300	0.300	08/19/2022	ND						

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

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/19/2022	ND	198	99.0	200	3.84	
DRO >C10-C28*	29.0	10.0	08/19/2022	ND	205	103	200	8.21	
EXT DRO >C28-C36	21.6	10.0	08/19/2022	ND					

Surrogate: 1-Chlorooctane 139 % 43-149

Surrogate: 1-Chlorooctadecane 149 % 42.5-161

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 Fax To:

Received: 08/17/2022  
 Reported: 08/22/2022  
 Project Name: SEVEN RIVERS COMPRESSOR STATION  
 Project Number: KH227007  
 Project Location: DURANGO 32.382037,-104.32953

Sampling Date: 08/17/2022  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Shalyn Rodriguez

**Sample ID: C - ESW 0-10' (H223773-07)**

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	08/19/2022	ND	2.12	106	2.00	2.62	
Toluene*	<0.050	0.050	08/19/2022	ND	2.09	105	2.00	2.46	
Ethylbenzene*	<0.050	0.050	08/19/2022	ND	2.03	102	2.00	2.21	
<b>Total Xylenes*</b>	<b>0.168</b>	0.150	08/19/2022	ND	6.29	105	6.00	2.02	
Total BTEx	<0.300	0.300	08/19/2022	ND					

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

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/19/2022	ND	198	99.0	200	3.84	
DRO >C10-C28*	<10.0	10.0	08/19/2022	ND	205	103	200	8.21	
EXT DRO >C28-C36	<10.0	10.0	08/19/2022	ND					

Surrogate: 1-Chlorooctane 117 % 43-149

Surrogate: 1-Chlorooctadecane 129 % 42.5-161

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 LUBBOCK TX, 79424  
 Fax To:

Received: 08/17/2022  
 Reported: 08/22/2022  
 Project Name: SEVEN RIVERS COMPRESSOR STATION  
 Project Number: KH227007  
 Project Location: DURANGO 32.382037,-104.32953

Sampling Date: 08/17/2022  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Shalyn Rodriguez

**Sample ID: S2 - NW - SW 0-10' (H223773-08)**

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	08/19/2022	ND	2.12	106	2.00	2.62		
Toluene*	<0.050	0.050	08/19/2022	ND	2.09	105	2.00	2.46		
Ethylbenzene*	<0.050	0.050	08/19/2022	ND	2.03	102	2.00	2.21		
Total Xylenes*	<0.150	0.150	08/19/2022	ND	6.29	105	6.00	2.02		
Total BTEx	<0.300	0.300	08/19/2022	ND						

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

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/19/2022	ND	198	99.0	200	3.84	
DRO >C10-C28*	<10.0	10.0	08/19/2022	ND	205	103	200	8.21	
EXT DRO >C28-C36	<10.0	10.0	08/19/2022	ND					

Surrogate: 1-Chlorooctane 136 % 43-149

Surrogate: 1-Chlorooctadecane 146 % 42.5-161

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**Analytical Results For:**

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 JOSEPH GUESNIER  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received: 08/17/2022  
 Reported: 08/22/2022  
 Project Name: SEVEN RIVERS COMPRESSOR STATION  
 Project Number: KH227007  
 Project Location: DURANGO 32.382037,-104.32953

Sampling Date: 08/17/2022  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Shalyn Rodriguez

**Sample ID: S2 - NE - SW 0-10' (H223773-09)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/19/2022	ND	2.12	106	2.00	2.62		
Toluene*	<0.050	0.050	08/19/2022	ND	2.09	105	2.00	2.46		
Ethylbenzene*	<0.050	0.050	08/19/2022	ND	2.03	102	2.00	2.21		
Total Xylenes*	<0.150	0.150	08/19/2022	ND	6.29	105	6.00	2.02		
Total BTEx	<0.300	0.300	08/19/2022	ND						

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

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/19/2022	ND	198	99.0	200	3.84	
DRO >C10-C28*	<10.0	10.0	08/19/2022	ND	205	103	200	8.21	
EXT DRO >C28-C36	<10.0	10.0	08/19/2022	ND					

Surrogate: 1-Chlorooctane 130 % 43-149

Surrogate: 1-Chlorooctadecane 140 % 42.5-161

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**Analytical Results For:**

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 JOSEPH GUESNIER  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received: 08/17/2022  
 Reported: 08/22/2022  
 Project Name: SEVEN RIVERS COMPRESSOR STATION  
 Project Number: KH227007  
 Project Location: DURANGO 32.382037,-104.32953

Sampling Date: 08/17/2022  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SP - W 0-5' (H223773-10)**

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2022	ND	2.12	106	2.00	2.62	
Toluene*	<0.050	0.050	08/19/2022	ND	2.09	105	2.00	2.46	
Ethylbenzene*	<0.050	0.050	08/19/2022	ND	2.03	102	2.00	2.21	
Total Xylenes*	<0.150	0.150	08/19/2022	ND	6.29	105	6.00	2.02	
Total BTX	<0.300	0.300	08/19/2022	ND					

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

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/19/2022	ND	198	99.0	200	3.84	
DRO >C10-C28*	32.8	10.0	08/19/2022	ND	205	103	200	8.21	
EXT DRO >C28-C36	11.0	10.0	08/19/2022	ND					

Surrogate: 1-Chlorooctane 129 % 43-149

Surrogate: 1-Chlorooctadecane 144 % 42.5-161

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 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received: 08/17/2022  
 Reported: 08/22/2022  
 Project Name: SEVEN RIVERS COMPRESSOR STATION  
 Project Number: KH227007  
 Project Location: DURANGO 32.382037,-104.32953

Sampling Date: 08/17/2022  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SP - E 0-5' (H223773-11)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/19/2022	ND	2.12	106	2.00	2.62		
Toluene*	<0.050	0.050	08/19/2022	ND	2.09	105	2.00	2.46		
Ethylbenzene*	<0.050	0.050	08/19/2022	ND	2.03	102	2.00	2.21		
Total Xylenes*	<0.150	0.150	08/19/2022	ND	6.29	105	6.00	2.02		
Total BTEx	<0.300	0.300	08/19/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/19/2022	ND	198	99.0	200	3.84	
DRO >C10-C28*	72.4	10.0	08/19/2022	ND	205	103	200	8.21	
EXT DRO >C28-C36	67.0	10.0	08/19/2022	ND					

Surrogate: 1-Chlorooctane 121 % 43-149

Surrogate: 1-Chlorooctadecane 138 % 42.5-161

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

TERRACON CONSULTANTS  
 JOSEPH GUESNIER  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received: 08/17/2022  
 Reported: 08/22/2022  
 Project Name: SEVEN RIVERS COMPRESSOR STATION  
 Project Number: KH227007  
 Project Location: DURANGO 32.382037,-104.32953

Sampling Date: 08/17/2022  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Shalyn Rodriguez

**Sample ID: TSP - 1 0-5' (H223773-12)**

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/19/2022	ND	2.12	106	2.00	2.62		
Toluene*	<0.050	0.050	08/19/2022	ND	2.09	105	2.00	2.46		
Ethylbenzene*	<0.050	0.050	08/19/2022	ND	2.03	102	2.00	2.21		
Total Xylenes*	<0.150	0.150	08/19/2022	ND	6.29	105	6.00	2.02		
Total BTX	<0.300	0.300	08/19/2022	ND						

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

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/19/2022	ND	198	99.0	200	3.84	
DRO >C10-C28*	<10.0	10.0	08/19/2022	ND	205	103	200	8.21	
EXT DRO >C28-C36	<10.0	10.0	08/19/2022	ND					

Surrogate: 1-Chlorooctane 125 % 43-149

Surrogate: 1-Chlorooctadecane 131 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TERRACON CONSULTANTS  
 JOSEPH GUESNIER  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received: 08/17/2022  
 Reported: 08/22/2022  
 Project Name: SEVEN RIVERS COMPRESSOR STATION  
 Project Number: KH227007  
 Project Location: DURANGO 32.382037,-104.32953

Sampling Date: 08/17/2022  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Shalyn Rodriguez

**Sample ID: TSP - 2 0-5' (H223773-13)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/19/2022	ND	2.12	106	2.00	2.62		
Toluene*	<0.050	0.050	08/19/2022	ND	2.09	105	2.00	2.46		
Ethylbenzene*	<0.050	0.050	08/19/2022	ND	2.03	102	2.00	2.21		
Total Xylenes*	<0.150	0.150	08/19/2022	ND	6.29	105	6.00	2.02		
Total BTEx	<0.300	0.300	08/19/2022	ND						

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

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/19/2022	ND	198	99.0	200	3.84	
DRO >C10-C28*	<10.0	10.0	08/19/2022	ND	205	103	200	8.21	
EXT DRO >C28-C36	<10.0	10.0	08/19/2022	ND					

Surrogate: 1-Chlorooctane 120 % 43-149

Surrogate: 1-Chlorooctadecane 127 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TERRACON CONSULTANTS  
 JOSEPH GUESNIER  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received: 08/17/2022  
 Reported: 08/22/2022  
 Project Name: SEVEN RIVERS COMPRESSOR STATION  
 Project Number: KH227007  
 Project Location: DURANGO 32.382037,-104.32953

Sampling Date: 08/17/2022  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Shalyn Rodriguez

**Sample ID: TSP - 3 0-5' (H223773-14)**

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/19/2022	ND	2.12	106	2.00	2.62		
Toluene*	<0.050	0.050	08/19/2022	ND	2.09	105	2.00	2.46		
Ethylbenzene*	<0.050	0.050	08/19/2022	ND	2.03	102	2.00	2.21		
Total Xylenes*	<0.150	0.150	08/19/2022	ND	6.29	105	6.00	2.02		
Total BTX	<0.300	0.300	08/19/2022	ND						

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

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/19/2022	ND	198	99.0	200	3.84	
DRO >C10-C28*	<10.0	10.0	08/19/2022	ND	205	103	200	8.21	
EXT DRO >C28-C36	<10.0	10.0	08/19/2022	ND					

Surrogate: 1-Chlorooctane 114 % 43-149

Surrogate: 1-Chlorooctadecane 119 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

TERRACON CONSULTANTS  
 JOSEPH GUESNIER  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received: 08/17/2022  
 Reported: 08/22/2022  
 Project Name: SEVEN RIVERS COMPRESSOR STATION  
 Project Number: KH227007  
 Project Location: DURANGO 32.382037,-104.32953

Sampling Date: 08/17/2022  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Shalyn Rodriguez

**Sample ID: TSP - 4 0-5' (H223773-15)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/19/2022	ND	2.12	106	2.00	2.62		
Toluene*	<0.050	0.050	08/19/2022	ND	2.09	105	2.00	2.46		
Ethylbenzene*	<0.050	0.050	08/19/2022	ND	2.03	102	2.00	2.21		
Total Xylenes*	<0.150	0.150	08/19/2022	ND	6.29	105	6.00	2.02		
Total BTEx	<0.300	0.300	08/19/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 69.9-140

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/19/2022	ND	198	99.0	200	3.84	
DRO >C10-C28*	<10.0	10.0	08/19/2022	ND	205	103	200	8.21	
EXT DRO >C28-C36	<10.0	10.0	08/19/2022	ND					

Surrogate: 1-Chlorooctane 130 % 43-149

Surrogate: 1-Chlorooctadecane 140 % 42.5-161

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### Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
GC-NC1	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with interfering compounds.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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

Celey D. Keene, Lab Director/Quality Manager







101 East Marland, Hobbs, NM 88240  
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

<b>Company Name:</b> <b>Project Manager:</b> <b>Address:</b> <b>City:</b> <b>State:</b> <b>Zip:</b> <b>Phone #:</b> <b>Fax #:</b> <b>Project #:</b> <b>Project Owner:</b> <b>Project Name:</b> <b>Project Location:</b> <b>Sampler Name:</b>				<b>BILL TO</b> <b>P.O. #:</b> <b>Company:</b> <b>Attn:</b> <b>Address:</b> <b>City:</b> <b>State:</b> <b>Zip:</b> <b>Phone #:</b> <b>Fax #:</b>				<b>ANALYSIS REQUEST</b>							
<b>FOR LAB USE ONLY</b>															
<b>Lab I.D.</b>  Sample I.D.		(G)RAB OR (C)OMP. # CONTAINERS:		<b>MATRIX</b> GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:		<b>PRESERV.</b> ACID/BASE: ICE / COOL OTHER:		<b>SAMPLING</b> DATE      TIME							
H23773 10 SP-4 0.5-1 11 SP-3 12 TSP-1 13 TSP-2 14 TSP-3 15 TSP-4		9 1 1 1 1 1 1		08/17 1345 1350 1355 1400 1405 1410		1 1 1 1 1 1		TTP Ext 8015 BTEX 8021D							
PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.															
<b>Relinquished By:</b> Date: 8/17 Time: 1018 Relinquished By: [Signature]				<b>Received By:</b> Date: 8/17 Time: 1018 Received By: [Signature]				<b>Verbal Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #: All Results are emailed. Please provide Email address: REMARKS:							
<b>Delivered By: (Circle One)</b> Sampler - UPS - Bus - Other:				<b>Observed Temp. °C:</b> 24.1 <b>Corrected Temp. °C:</b> 23.5				<b>Sample Condition</b> Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>				<b>CHECKED BY:</b> (Initials) [Signature]			
Turnaround Time:				Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>				Bacteria (only) <input type="checkbox"/> Sample Condition <input type="checkbox"/> Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>							
Thermometer ID #113 Correction Factor -0.6°C				Observed Temp. °C Corrected Temp. °C											

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



## **APPENDIX E – TERRACON STANDARD OF CARE, LIMITATION, AND RELIANCE**

**Standard of Care**

Terracon's services were performed in a manner consistent with generally accepted practices of the profession undertaken in similar studies in the same geographical area during the same time. Terracon makes no warranties, either express or implied, regarding the findings, conclusions, or recommendations. Please note that Terracon does not warrant the work of laboratories, regulatory agencies, or other third parties supplying information used in the preparation of the report. These services were performed in accordance with the scope of work agreed with you, Durango Midstream LLC (Durango), as reflected in our proposal.

**Additional Scope Limitations**

Development of this RAP is based upon information provided by the Client and Terracon's remediation and construction services line. Such information is subject to change over time. Certain indicators of the presence of hazardous substances, petroleum products, or other constituents may have been latent, inaccessible, unobservable, nondetectable, or not present during these services. We cannot represent that the site contains no hazardous substances, toxic materials, petroleum products, or other latent conditions beyond those by information provided by the Client. The data, interpretations, findings, and our recommendations are based solely upon reformation executed within the scope of these services.

**Reliance**

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**District I**  
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Phone:(575) 393-6161 Fax:(575) 393-0720

**District II**  
811 S. First St., Artesia, NM 88210  
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**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170

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

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

CONDITIONS

Action 165833

CONDITIONS

Operator: FRONTIER FIELD SERVICES, LLC 10077 Grogans Mill Rd. The Woodlands, TX 77380	OGRID: 221115
	Action Number: 165833
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
amaxwell	None	2/3/2023