



PO Box 301 | Lovington, NM 88260 | Phone 575.396.2378

**August 28, 2018**

**Attn. Mike Bratcher**  
NMOCD, District 2  
811 South First Street  
Artesia, NM 88210

**RE: Corrective Action Plan  
Cambrian Management  
Dorstate SWD  
UL/H Sec.27, T25S R28E  
32.102789, -104.068449  
NMOCD Reference # 2RP – 4364**

Mr. Bratcher:

Cambrian Management (Cambrian) has retained Basin Environmental Service Technologies (Basin) to address potential environmental concerns at the above-referenced site.

### **Background and Previous Work**

The site is located approximately eight and one-half (8.5) miles south of Malaga, New Mexico at Unit Letter H of Section 27 in Township 25 South of Range 28 East (See Figure 1). This site is located in an area where groundwater is anticipated to be encountered at an estimated depth sixty-five (65) +/- feet below ground surface (bgs) (See Figure 4).

On August 23, 2017, a representative of the New Mexico State Land Office (NMSLO) notified Cambrian and the New Mexico Oil Conservation Division's (NMOCD) Artesia District Office via email that a release (or series of releases) had occurred at the Dorstate Salt Water Disposal (SWD). It was determined that driver inattention and excess rainwater had caused the on-site sumps to overflow. This resulted in the release of approximately twenty-five (25) barrels of produced water. No liquids from the release were recovered. An environmental site assessment was performed, and it was determined that the current release and/or historical release(s) is estimated to have impacted two-hundred and twelve thousand, six-hundred and seventy-two (212,672) square feet (ft<sup>2</sup>) of gypsum pad and pasture. An initial C-141 (Release Notification and Corrective Action) was submitted to NMOCD on August 24<sup>th</sup>, 2017 for approval.

Basin personnel were on site beginning July 23<sup>rd</sup>, 2018, to perform another assessment. Discrete soil samples were retrieved on the perimeter of the stain to establish the horizontal extent of the impact. Field screens indicate that the release spread in the subsurface or a historical(s) release was encountered as the subsurface perimeter extended beyond the visible stain.

## Corrective Action Plan

The pad area will be excavated to an approximate depth of 1-2', bgs. The remediated soils will be disposed of at an NMOCD approved landfill. The excavated pad area will be backfilled with clean, non-impacted gypsum, rolled and compacted before being contoured to the surrounding area.

The impacted pasture area will be excavated to a maximum depth of four (4) feet bgs. Once the floor depth of the excavation is established, numerous discrete soil samples will be retrieved from both the floor of the excavation as well as the walls and delivered to an NMOCD approved laboratory for analyses of benzene, toluene, ethyl-benzene xylenes (BTEX), gasoline range organics (GRO), diesel range organics (DRO), oil range organics (ORO), (total petroleum hydrocarbons [TPH], and chlorides. If the laboratory analyses indicate any of the constituents of interest are above the recommended remediation action levels (RRAL) for this location (1,000 mg/kg – TPH, 50 mg/kg – BTEX, 600 mg/kg – chlorides), after delineation, a 20-mil liner will be placed to ensure percolation is limited vertically downward as well as preventing effusion upwards towards the surface. Before liner placement (if required), full delineation of each sample point will occur. (See attached Perimeter Sampling Map). The impacted soil will be removed and disposed of at an approved NMOCD facility. The pasture excavation will be backfilled with clean, non-impacted topsoil and contoured to the surrounding area.

In the event the reserve pit area is encountered during remediation, the perimeter of the reserve pit will be identified, and it will have a new liner placed with 2' of clean, non-impacted topsoil placed and contoured for drainage.

At a time conducive for germination, the location will be seeded with the preferred seed mix of the land owner free of non-noxious or invasive vegetation. The seed will be applied with either a drill or broadcast method to ensure complete coverage of affected area. The seeds will then be sown with a disc (in compacted soils), rake or a harrow.

The supporting documentation for this Corrective Action Plan is attached.

Basin appreciates the opportunity to work with you on this project. Please contact me if you have any questions or wish to discuss the site.

Sincerely,



Robbie Runnels  
Project Manager  
Basin Environmental Service Technologies  
(575) 396-2378

Attachments:

Figure 1 – Site Location Map

Figure 2 - Area Sampling Data and Proposed Excavation

Figure 3 – Approximate Depth to Groundwater

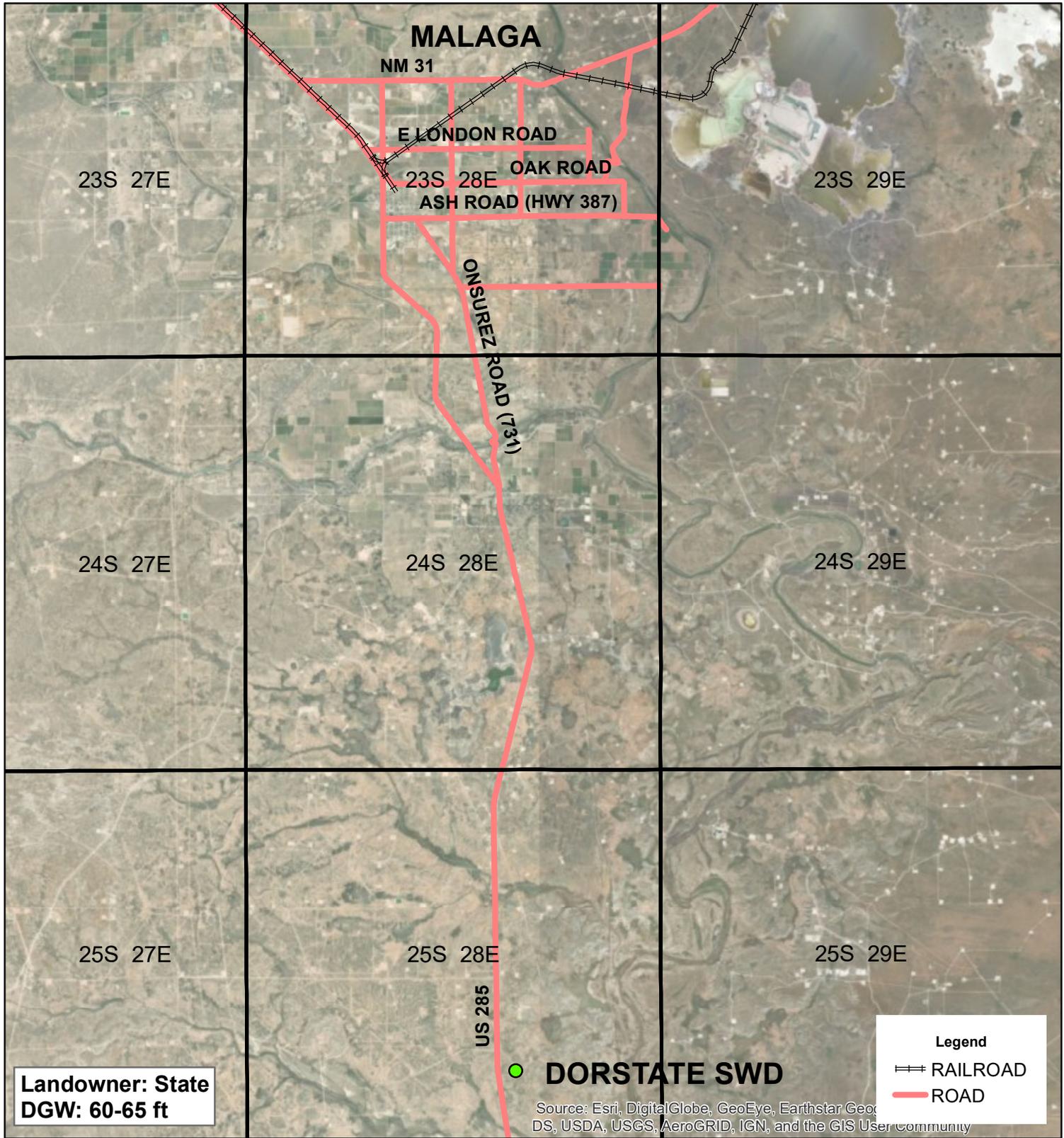
Figure 4 - Soil Chemistry Table

Appendix A – Photo Documentation

Appendix B – Initial C-141 Forms

Appendix C – Analytical Reports

# Geographic Location



Landowner: State  
DGW: 60-65 ft

**DORSTATE SWD**

**Legend**  
 RAILROAD  
 ROAD

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNR Aero, IGN, and the GIS User Community

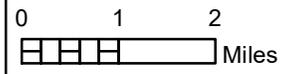


## CAMBRIAN DORSTATE SWD

2RP-4364

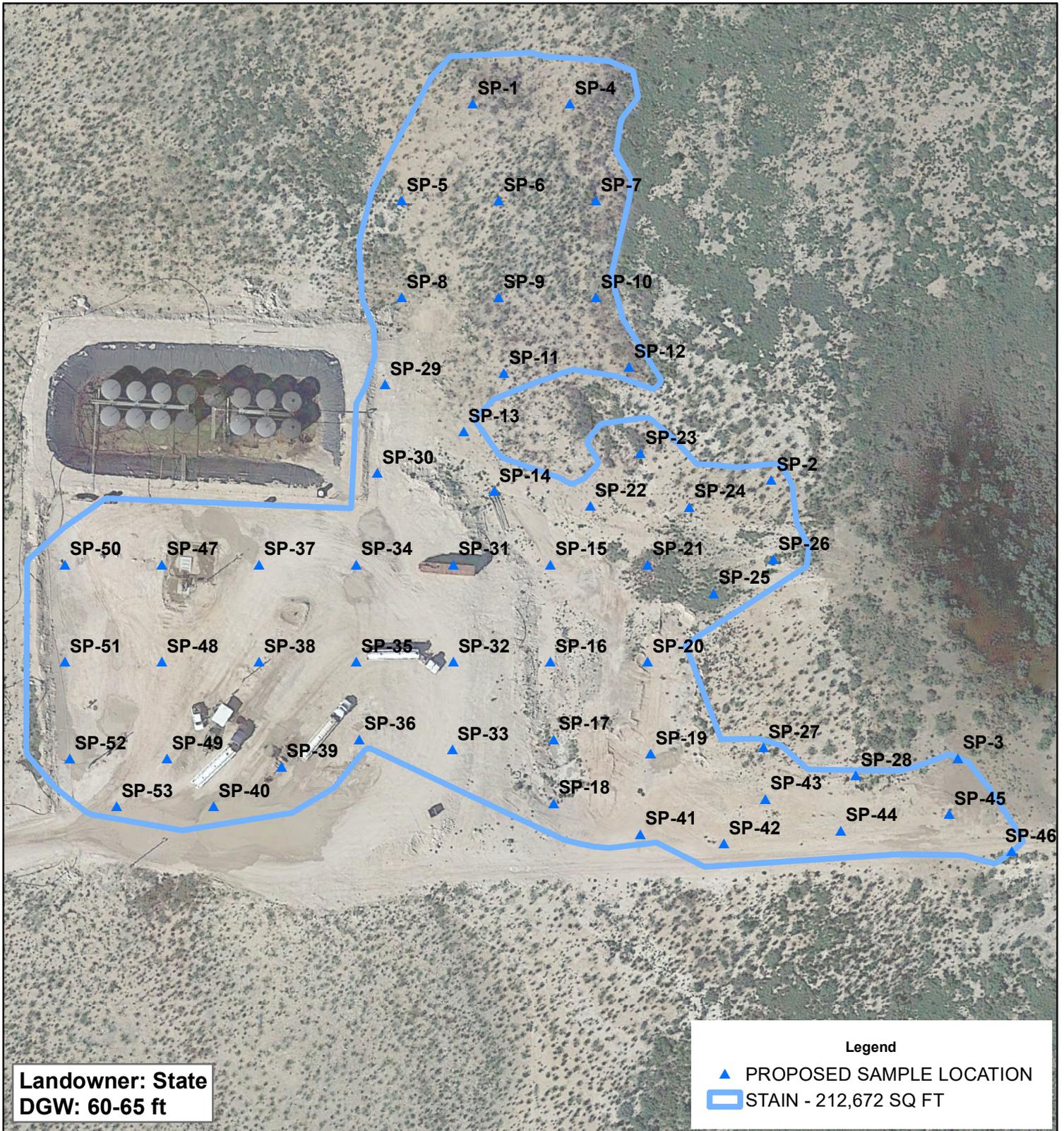
UL H SECTION 27  
T-25-S R-28-E  
EDDY COUNTY, NM

GPS: 32.102789 -104.068449



Drawing date: 7/30/18  
Drafted by: T. Grieco

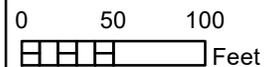
# Initial Sampling



## CAMBRIAN DORSTATE SWD

UL H SECTION 27  
T-25-S R-28-E  
EDDY COUNTY, NM

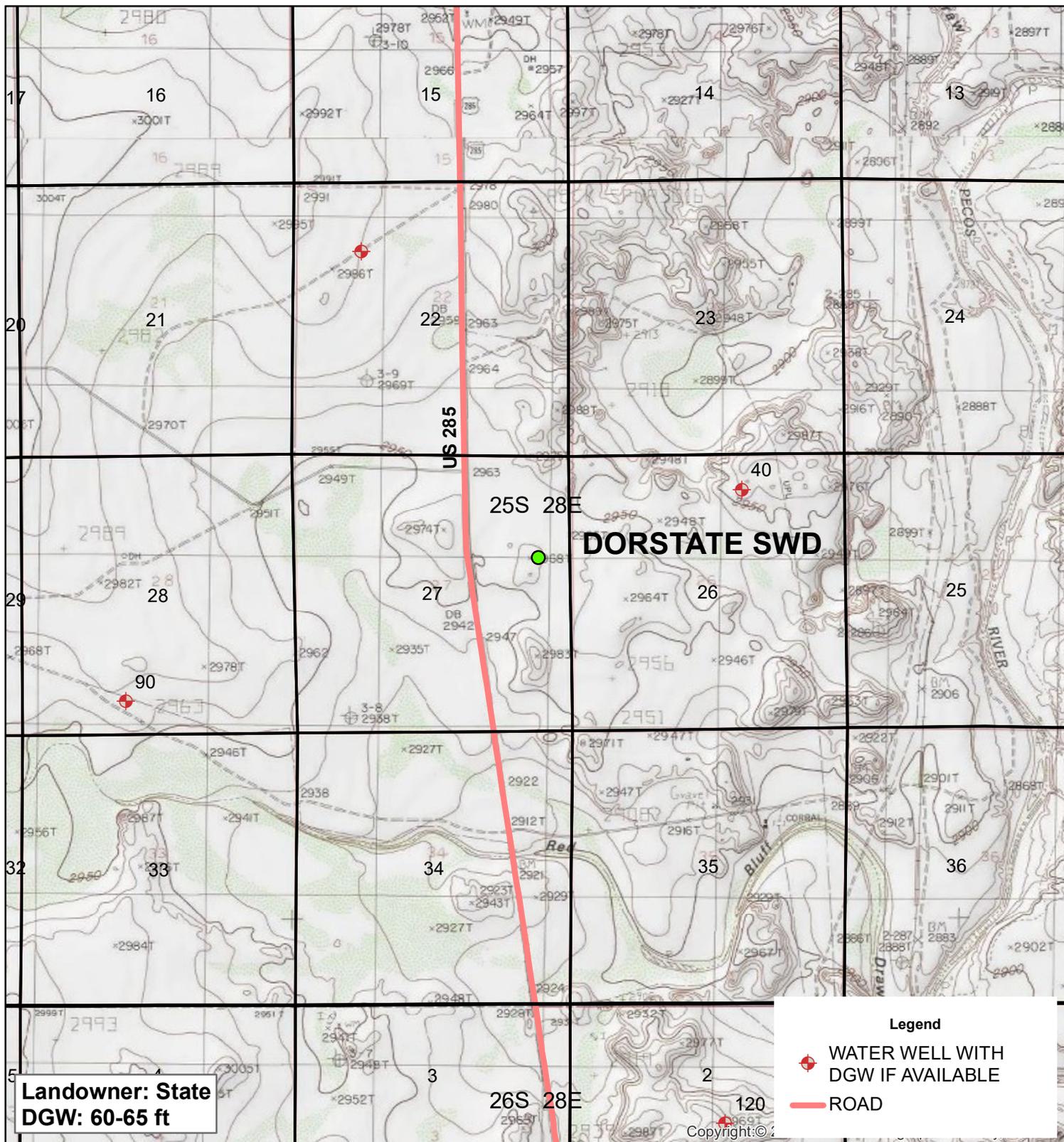
GPS: 32.102789 -104.068449



Drawing date: 6/7/18  
Drafted by: T. Grieco



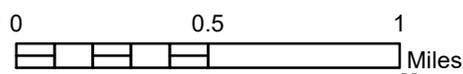
# Depth to Groundwater



**CAMBRIAN**  
**DORSTATE SWD**  
2RP-4364

UL H SECTION 27  
T-25-S R-28-E  
EDDY COUNTY, NM

**GPS: 32.102789 -104.068449**



Drawing date: 7/30/18  
Drafted by: T. Grieco

**TABLE 1  
CONCENTRATIONS OF BENZENE, BTEX, TPH & CHLORIDE IN SOIL**

**OXY USA, INC.  
DORSTATE SWD  
EDDY COUNTY, NEW MEXICO  
NMOCD REFERENCE #: 2RP-4364**

SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SOIL STATUS	METHOD: EPA SW 846-8021B, 5030					METHOD: 8015M				300
				BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL-BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)	TOTAL BTEX (mg/Kg)	GRO C <sub>6</sub> -C <sub>12</sub> (mg/Kg)	DRO C <sub>12</sub> -C <sub>28</sub> (mg/Kg)	EXT DRO C <sub>28</sub> -C <sub>35</sub> (mg/Kg)	TPH C <sub>6</sub> -C <sub>35</sub> (mg/Kg)	CHLORIDE (mg/Kg)
<b>NMOCD Recommended Remediation Action Levels (RRALs)</b>				<b>10</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>50</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>1,000</b>	<b>600</b>
SP-1 @ 1'	1'	3/29/2018	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<b>4,030</b>
SP-1 @ 5'	5'	3/29/2018	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<b>2,120</b>
SP-1 @ 9'	9'	3/29/2018	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<b>1,610</b>
SP-2 @ 1'	1'	3/29/2018	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	55.7
SP-3 @ 1'	1'	3/29/2018	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	75.1
SP-4 @ 1'	1'	4/2/2018	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<b>4,740</b>
SP-4 @ 3'	3'	4/2/2018	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<b>1,860</b>
SP-4 @ 5'	5'	4/2/2018	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<b>850</b>
SP-4 @ 6'	6'	4/2/2018	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<b>758</b>
SP-5 @ 1'	1'	4/2/2018	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<b>4,800</b>
SP-5 @ 3'	3'	4/2/2018	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<b>3,900</b>
SP-6 @ 1'	1'	4/2/2018	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	38.3
SP-7 @ 1'	1'	4/2/2018	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	98.4
SP-8 @ 1'	1'	4/3/2018	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<b>8,070</b>
SP-9 @ 1'	1'	4/3/2018	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	119
SP-10 @ 1'	1'	4/3/2018	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	35.6
SP-11 @ 1'	1'	4/3/2018	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	29.7	<10.0	29.7	<b>5,040</b>
SP-12 @ 1'	1'	4/3/2018	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<b>1,450</b>
SP-12 @ 3'	3'	4/3/2018	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<b>2,460</b>
SP-12 @ 5'	5'	4/3/2018	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<b>1,180</b>
SP-13 @ 1'	1'	4/3/2018	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<b>2,600</b>

**TABLE 1  
CONCENTRATIONS OF BENZENE, BTEX, TPH & CHLORIDE IN SOIL**

**OXY USA, INC.  
DORSTATE SWD  
EDDY COUNTY, NEW MEXICO  
NMOCD REFERENCE #: 2RP-4364**

SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SOIL STATUS	METHOD: EPA SW 846-8021B, 5030					METHOD: 8015M				300
				BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL-BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)	TOTAL BTEX (mg/Kg)	GRO C <sub>6</sub> -C <sub>12</sub> (mg/Kg)	DRO C <sub>12</sub> -C <sub>28</sub> (mg/Kg)	EXT DRO C <sub>28</sub> -C <sub>35</sub> (mg/Kg)	TPH C <sub>6</sub> -C <sub>35</sub> (mg/Kg)	CHLORIDE (mg/Kg)
<b>NMOCD Recommended Remediation Action Levels (RRALs)</b>				<b>10</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>50</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>1,000</b>	<b>600</b>
SP-14 @ 1'	1'	4/3/2018	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<b>9,180</b>
SP-15 @ 1'	1'	4/3/2018	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	37.0	11.5	48.5	<b>5,240</b>
SP-16 @ 1'	1'	4/3/2018	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	269
SP-17 @ 1'	1'	4/3/2018	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<b>1,710</b>
SP-18 @ 1'	1'	4/3/2018	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<b>3,130</b>
SP-19 @ 1'	1'	4/3/2018	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<b>1,150</b>
SP-20 @ 1'	1'	4/3/2018	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	31.0
SP-21 @ 1'	1'	4/3/2018	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<50.0
SP-22 @ 1'	1'	4/3/2018	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
SP-23 @ 1'	1'	4/3/2018	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	37.9
SP-24 @ 1'	1'	4/3/2018	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	20.5
SP-25 @ 1'	1'	4/3/2018	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<b>2,390</b>
SP-26 @ 1'	1'	4/3/2018	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	292
SP-27 @ 1'	1'	4/3/2018	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	35.7	24.9	60.6	<b>931</b>
SP-28 @ 1'	1'	4/3/2018	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<b>945</b>
SP-29 @ 1'	1'	4/9/2018	In-Situ	-	-	-	-	-	-	-	-	-	<b>1,310</b>
SP-29 @ 8'	8'	4/9/2018	In-Situ	-	-	-	-	-	-	-	-	-	336

**TABLE 1  
CONCENTRATIONS OF BENZENE, BTEX, TPH & CHLORIDE IN SOIL**

**OXY USA, INC.  
DORSTATE SWD  
EDDY COUNTY, NEW MEXICO  
NMOCD REFERENCE #: 2RP-4364**

SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SOIL STATUS	METHOD: EPA SW 846-8021B, 5030					METHOD: 8015M				300
				BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL-BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)	TOTAL BTEX (mg/Kg)	GRO C <sub>6</sub> -C <sub>12</sub> (mg/Kg)	DRO C <sub>12</sub> -C <sub>28</sub> (mg/Kg)	EXT DRO C <sub>28</sub> -C <sub>35</sub> (mg/Kg)	TPH C <sub>6</sub> -C <sub>35</sub> (mg/Kg)	CHLORIDE (mg/Kg)
<b>NMOCD Recommended Remediation Action Levels (RRALs)</b>				<b>10</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>50</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>1,000</b>	<b>600</b>
SP-30 @ 1'	1'	4/9/2018	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<b>1,490</b>
SP-30 @ 6'	6'	4/9/2018	In-Situ	-	-	-	-	-	-	-	-	-	336
SP-31 @ 1'	1'	4/9/2018	In-Situ	-	-	-	-	-	-	-	-	-	<b>928</b>
SP-31 @ 10'	10'	4/10/2018	In-Situ	-	-	-	-	-	-	-	-	-	<b>944</b>
SP-32 @ 1'	1'	4/10/2018	In-Situ	-	-	-	-	-	-	-	-	-	<b>912</b>
SP-32 @ 10'	10'	4/10/2018	In-Situ	-	-	-	-	-	-	-	-	-	560
SP-33 @ 1'	1'	4/10/2018	In-Situ	-	-	-	-	-	-	-	-	-	<b>4,240</b>
SP-33 @ 10'	10'	4/10/2018	In-Situ	-	-	-	-	-	-	-	-	-	<b>3,800</b>
SP-34 @ 1'	1'	4/10/2018	In-Situ	-	-	-	-	-	-	-	-	-	<b>7,100</b>
SP-34 @ 10'	10'	4/10/2018	In-Situ	-	-	-	-	-	-	-	-	-	<b>1,540</b>
SP-35 @ 1'	1'	4/10/2018	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	97.7	38.0	136	<b>8,200</b>
SP-35 @ 10'	10'	4/10/2018	In-Situ	-	-	-	-	-	-	-	-	-	<b>4,300</b>
SP-36 @ 1'	1'	4/11/2018	In-Situ	<0.050	0.062	<0.050	1.12	1.18	38.1	1,190	216	<b>1,444</b>	<b>12,000</b>
SP-36 @ 10'	10'	4/11/2018	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	19.2	<10.0	19.2	<b>2,320</b>
SP-37 @ 1'	1'	4/11/2018	In-Situ	-	-	-	-	-	-	-	-	-	<b>5,440</b>
SP-37 @ 10'	10'	4/11/2018	In-Situ	-	-	-	-	-	-	-	-	-	<b>4,560</b>
SP-38 @ 1'	1'	4/11/2018	In-Situ	-	-	-	-	-	-	-	-	-	<b>8,800</b>
SP-38 @ 10'	10'	4/11/2018	In-Situ	-	-	-	-	-	-	-	-	-	<b>1,650</b>
SP-39 @ 4'	4'	4/11/2018	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<b>15,600</b>
SP-39 @ 10'	10'	4/11/2018	In-Situ	-	-	-	-	-	-	-	-	-	<b>7,000</b>
SP-40 @ 1'	1'	4/11/2018	In-Situ	-	-	-	-	-	-	-	-	-	<b>2,160</b>
SP-40 @ 10'	10'	4/11/2018	In-Situ	-	-	-	-	-	-	-	-	-	<b>960</b>

**TABLE 1  
CONCENTRATIONS OF BENZENE, BTEX, TPH & CHLORIDE IN SOIL**

OXY USA, INC.  
DORSTATE SWD  
EDDY COUNTY, NEW MEXICO  
NMOCD REFERENCE #: 2RP-4364

SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SOIL STATUS	METHOD: EPA SW 846-8021B, 5030					METHOD: 8015M				300
				BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL-BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)	TOTAL BTEX (mg/Kg)	GRO C <sub>6</sub> -C <sub>12</sub> (mg/Kg)	DRO C <sub>12</sub> -C <sub>28</sub> (mg/Kg)	EXT DRO C <sub>28</sub> -C <sub>35</sub> (mg/Kg)	TPH C <sub>6</sub> -C <sub>35</sub> (mg/Kg)	CHLORIDE (mg/Kg)
<b>NMOCD Recommended Remediation Action Levels (RRALs)</b>				<b>10</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>50</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>1,000</b>	<b>600</b>
SP-41 @ 1'	1'	4/12/2018	In-Situ	-	-	-	-	-	-	-	-	-	<b>1,600</b>
SP-41 @ 5'	5'	4/12/2018	In-Situ	-	-	-	-	-	-	-	-	-	368
SP-42 @ 1'	1'	4/12/2018	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<b>2,600</b>
SP-42 @ 6'	6'	4/12/2018	In-Situ	-	-	-	-	-	-	-	-	-	384
SP-43 @ 1'	1'	4/12/2018	In-Situ	-	-	-	-	-	-	-	-	-	<b>2,520</b>
SP-43 @ 10'	10'	4/12/2018	In-Situ	-	-	-	-	-	-	-	-	-	<b>3,120</b>
SP-44 @ 1'	1'	4/12/2018	In-Situ	-	-	-	-	-	-	-	-	-	<b>2,280</b>
SP-44 @ 7'	7'	4/12/2018	In-Situ	-	-	-	-	-	-	-	-	-	304
SP-45 @ 1'	1'	4/12/2018	In-Situ	-	-	-	-	-	-	-	-	-	<b>864</b>
SP-45 @ 3'	3'	4/12/2018	In-Situ	-	-	-	-	-	-	-	-	-	224
SP-46 @ 1'	1'	4/12/2018	In-Situ	-	-	-	-	-	-	-	-	-	160
SP-47 @ 1'	1'	4/13/2018	In-Situ	-	-	-	-	-	-	-	-	-	<b>2,160</b>
SP-47 @ 10'	10'	4/13/2018	In-Situ	-	-	-	-	-	-	-	-	-	<b>1,090</b>
SP-48 @ 1'	1'	4/13/2018	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<b>6,320</b>
SP-48 @ 10'	10'	4/13/2018	In-Situ	-	-	-	-	-	-	-	-	-	<b>5,200</b>
SP-49 @ 1'	1'	4/13/2018	In-Situ	-	-	-	-	-	-	-	-	-	<b>8,000</b>
SP-49 @ 10'	10'	4/13/2018	In-Situ	-	-	-	-	-	-	-	-	-	<b>1,200</b>
SP-50 @ 1'	1'	4/13/2018	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	67.8	58.0	126	<b>7,360</b>
SP-50 @ 10'	10'	4/13/2018	In-Situ	-	-	-	-	-	-	-	-	-	<b>3,160</b>
SP-51 @ 1'	1'	4/13/2018	In-Situ	-	-	-	-	-	-	-	-	-	<b>2,000</b>
SP-51 @ 10'	10'	4/13/2018	In-Situ	-	-	-	-	-	-	-	-	-	<b>1,020</b>

**TABLE 1  
CONCENTRATIONS OF BENZENE, BTEX, TPH & CHLORIDE IN SOIL**

OXY USA, INC.  
DORSTATE SWD  
EDDY COUNTY, NEW MEXICO  
NMOCD REFERENCE #: 2RP-4364

SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SOIL STATUS	METHOD: EPA SW 846-8021B, 5030					METHOD: 8015M				300
				BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL-BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)	TOTAL BTEX (mg/Kg)	GRO C <sub>6</sub> -C <sub>12</sub> (mg/Kg)	DRO C <sub>12</sub> -C <sub>28</sub> (mg/Kg)	EXT DRO C <sub>28</sub> -C <sub>35</sub> (mg/Kg)	TPH C <sub>6</sub> -C <sub>35</sub> (mg/Kg)	CHLORIDE (mg/Kg)
<b>NMOCD Recommended Remediation Action Levels (RRALs)</b>				<b>10</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>50</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>1,000</b>	<b>600</b>
SP-52 @ 1'	1'	4/13/2018	In-Situ	-	-	-	-	-	-	-	-	-	<b>2,640</b>
SP-52 @ 10'	10'	4/13/2018	In-Situ	-	-	-	-	-	-	-	-	-	528
SP-53 @ 1'	1'	4/13/2018	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	13.8	<10.0	13.8	<b>5,280</b>
SP-53 @ 10'	10'	4/13/2018	In-Situ	-	-	-	-	-	-	-	-	-	<b>784</b>

NE = Not established

- = Not analyzed

Concentrations in BOLD exceed NMOCD RRALs



Dorstate SWD - Release Site (Looking Northwest)



Dorstate SWD - Release Site (Looking North-Northeast)



Dorstate SWD – Release Site (Looking Northwest)



Dorstate SWD – Release Site (Looking North-Northwest)



Dorstate SWD – Release Site (Looking Northeast)



Dorstate SWD – Release Site (Looking Northwest)



Dorstate SWD – Release Site (Looking North)



Dorstate SWD – Release Site (Looking West)



Dorstate SWD – Release Site (Looking West)



Dorstate SWD – Release Site (Looking Northwest)



Dorstate SWD – Release Site (Looking North)



Dorstate SWD – Release Site (Looking Northeast)



Dorstate SWD – Release Site (Looking Northwest)



Dorstate SWD – Release Site (Looking North)



Dorstate SWD – Release Site (Looking North)



Dorstate SWD – Release Site (Looking Southwest)



Dorstate SWD – Release Site (Looking Northeast)



Dorstate SWD – Release Site (Looking Northwest)



Dorstate SWD – Release Site (Looking West-Northwest)



Dorstate SWD – Release Site (Looking West-Northwest)

**NM OIL CONSERVATION**

ARTESIA DISTRICT

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

AUG 29 2017

Form C-141  
Revised April 3, 2017

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

**Release Notification and Corrective Action**

**NAB1724135283**

**198688 OPERATOR**

Initial Report  Final Report

Name of Company <b>Cambrian Management, Ltd.</b>	Contact <b>Mike Anthony</b>	
Address <b>PO Box 272, Midland, TX 79702</b>	Telephone No. <b>432-631-4398</b>	
Facility Name <b>Dockate SWD</b>	Facility Type <b>SWD</b>	
Surface Owner	Mineral Owner	API No. <b>30-015-23728</b>

**LOCATION OF RELEASE**

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
H	27	25S	28E	1980	North	660	East	Eddy

Latitude **32.102684** Longitude **104.068565** NAD83

**NATURE OF RELEASE**

Type of Release <b>Water, Produced Water</b>	Volume of Release <b>25 bbls</b>	Volume Recovered <b>0</b>
Source of Release	Date and Hour of Occurrence	Date and Hour of Discovery <b>8-23-17</b>
Was Immediate Notice Given? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	<b>8:04 PM</b>
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.\*  
**Overflowing sumps due to truck drivers inattention and excess rainwater.**  
**We will get soil samples and Trinity Environmental and proceed with proper remediation and cleanup**

Describe Area Affected and Cleanup Action Taken.\*  
**Pasture land and SWD location**

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.

Signature: <b>Denise Jones</b>	<b>OIL CONSERVATION DIVISION</b>	
Printed Name: <b>Denise Jones</b>	Signed By: <b>[Signature]</b> Approved by Environmental Specialist:	
Title: <b>Regulatory Analyst</b>	Approval Date: <b>8/29/17</b>	Expiration Date: <b>N/A</b>
E-mail Address: <b>djones@cambrianmgmt.com</b>	Conditions of Approval: <b>See attached</b>	
Date: <b>8-24-17</b> Phone: <b>432-620-9181</b>	Attached: <b>[Signature] 4B6A</b>	

\* Attach Additional Sheets If Necessary



April 11, 2018

BEN ARGUIJO

TRINITY OILFIELD SERVICES & RENTALS, LLC

P. O. BOX 2587

HOBBS, NM 88241

RE: DORSTATE SWD

Enclosed are the results of analyses for samples received by the laboratory on 04/04/18 16:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-17-10. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/ga/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/ga/lab_accred_certif.html).

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

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

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

**Analytical Results For:**

 TRINITY OILFIELD SERVICES & RENTALS, LLC  
 P. O. BOX 2587  
 HOBBS NM, 88241

 Project: DORSTATE SWD  
 Project Number: NONE GIVEN  
 Project Manager: BEN ARGUIJO  
 Fax To: NONE

 Reported:  
 11-Apr-18 15:38

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SP-1 @ 1'	H800935-01	Soil	29-Mar-18 10:00	04-Apr-18 16:30
SP-1 @ 5'	H800935-02	Soil	29-Mar-18 12:00	04-Apr-18 16:30
SP-1 @ 9'	H800935-03	Soil	29-Mar-18 14:50	04-Apr-18 16:30
SP-2 @ 1'	H800935-04	Soil	29-Mar-18 13:00	04-Apr-18 16:30
SP-3 @ 1'	H800935-05	Soil	29-Mar-18 13:40	04-Apr-18 16:30
SP-4 @ 1'	H800935-06	Soil	02-Apr-18 10:30	04-Apr-18 16:30
SP-4 @ 3'	H800935-07	Soil	02-Apr-18 11:00	04-Apr-18 16:30
SP-4 @ 5'	H800935-08	Soil	02-Apr-18 11:30	04-Apr-18 16:30
SP-4 @ 6'	H800935-09	Soil	02-Apr-18 12:00	04-Apr-18 16:30
SP-5 @ 1'	H800935-10	Soil	02-Apr-18 13:00	04-Apr-18 16:30
SP-5 @ 3'	H800935-11	Soil	02-Apr-18 13:15	04-Apr-18 16:30
SP-6 @ 1'	H800935-12	Soil	02-Apr-18 14:30	04-Apr-18 16:30
SP-7 @ 1'	H800935-13	Soil	02-Apr-18 14:50	04-Apr-18 16:30
SP-8 @ 1'	H800935-14	Soil	03-Apr-18 09:00	04-Apr-18 16:30
SP-9 @ 1'	H800935-15	Soil	03-Apr-18 09:10	04-Apr-18 16:30
SP-10 @ 1'	H800935-16	Soil	03-Apr-18 09:15	04-Apr-18 16:30
SP-11 @ 1'	H800935-17	Soil	03-Apr-18 09:20	04-Apr-18 16:30
SP-12 @ 1'	H800935-18	Soil	03-Apr-18 09:30	04-Apr-18 16:30
SP-12 @ 3'	H800935-19	Soil	03-Apr-18 10:10	04-Apr-18 16:30
SP-12 @ 5'	H800935-20	Soil	03-Apr-18 10:20	04-Apr-18 16:30
SP-13 @ 1'	H800935-21	Soil	03-Apr-18 10:40	04-Apr-18 16:30
SP-14 @ 1'	H800935-22	Soil	03-Apr-18 10:45	04-Apr-18 16:30
SP-15 @ 1'	H800935-23	Soil	03-Apr-18 10:50	04-Apr-18 16:30
SP-16 @ 1'	H800935-24	Soil	03-Apr-18 10:55	04-Apr-18 16:30
SP-17 @ 1'	H800935-25	Soil	03-Apr-18 11:00	04-Apr-18 16:30
SP-18 @ 1'	H800935-26	Soil	03-Apr-18 11:05	04-Apr-18 16:30
SP-19 @ 1'	H800935-27	Soil	03-Apr-18 11:10	04-Apr-18 16:30

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 or 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 damage 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

**Analytical Results For:**

 TRINITY OILFIELD SERVICES & RENTALS, LLC  
 P. O. BOX 2587  
 HOBBS NM, 88241

 Project: DORSTATE SWD  
 Project Number: NONE GIVEN  
 Project Manager: BEN ARGUIJO  
 Fax To: NONE

 Reported:  
 11-Apr-18 15:38

SP-20 @ 1'	H800935-28	Soil	03-Apr-18 11:15	04-Apr-18 16:30
SP-21 @ 1'	H800935-29	Soil	03-Apr-18 11:20	04-Apr-18 16:30
SP-22 @ 1'	H800935-30	Soil	03-Apr-18 11:25	04-Apr-18 16:30
SP-23 @ 1'	H800935-31	Soil	03-Apr-18 11:30	04-Apr-18 16:30
SP-24 @ 1'	H800935-32	Soil	03-Apr-18 11:35	04-Apr-18 16:30
SP-25 @ 1'	H800935-33	Soil	03-Apr-18 11:40	04-Apr-18 16:30
SP-26 @ 1'	H800935-34	Soil	03-Apr-18 11:50	04-Apr-18 16:30
SP-27 @ 1'	H800935-35	Soil	03-Apr-18 11:55	04-Apr-18 16:30
SP-28 @ 1'	H800935-36	Soil	03-Apr-18 12:00	04-Apr-18 16:30

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 or 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 damage 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

**Analytical Results For:**

 TRINITY OILFIELD SERVICES & RENTALS, LLC  
 P. O. BOX 2587  
 HOBBS NM, 88241

 Project: DORSTATE SWD  
 Project Number: NONE GIVEN  
 Project Manager: BEN ARGUIJO  
 Fax To: NONE

 Reported:  
 11-Apr-18 15:38

**SP-1 @ 1'**  
**H800935-01 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

**Cardinal Laboratories**
**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	8040505	MS	05-Apr-18	8021B	
Toluene*	<0.050		0.050	mg/kg	50	8040505	MS	05-Apr-18	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	8040505	MS	05-Apr-18	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	8040505	MS	05-Apr-18	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	8040505	MS	05-Apr-18	8021B	
<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			103 %		72-148	8040505	MS	05-Apr-18	8021B	

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	8040603	MS	06-Apr-18	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	8040603	MS	06-Apr-18	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	8040603	MS	06-Apr-18	8015B	
<i>Surrogate: 1-Chlorooctane</i>			80.6 %		41-142	8040603	MS	06-Apr-18	8015B	
<i>Surrogate: 1-Chlorooctadecane</i>			69.2 %		37.6-147	8040603	MS	06-Apr-18	8015B	

**Green Analytical Laboratories**
**Soluble (DI Water Extraction)**

Chloride	4030		100	mg/kg wet	100	B804052	JDA	06-Apr-18	EPA300.0	
----------	------	--	-----	-----------	-----	---------	-----	-----------	----------	--

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 or 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 damage 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

**Analytical Results For:**

 TRINITY OILFIELD SERVICES & RENTALS, LLC  
 P. O. BOX 2587  
 HOBBS NM, 88241

 Project: DORSTATE SWD  
 Project Number: NONE GIVEN  
 Project Manager: BEN ARGUIJO  
 Fax To: NONE

 Reported:  
 11-Apr-18 15:38

**SP-1 @ 5'**  
**H800935-02 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

**Cardinal Laboratories**
**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	8040505	MS	05-Apr-18	8021B	
Toluene*	<0.050		0.050	mg/kg	50	8040505	MS	05-Apr-18	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	8040505	MS	05-Apr-18	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	8040505	MS	05-Apr-18	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	8040505	MS	05-Apr-18	8021B	
<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			104 %	72-148		8040505	MS	05-Apr-18	8021B	

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	8040603	MS	06-Apr-18	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	8040603	MS	06-Apr-18	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	8040603	MS	06-Apr-18	8015B	
<i>Surrogate: 1-Chlorooctane</i>			82.4 %	41-142		8040603	MS	06-Apr-18	8015B	
<i>Surrogate: 1-Chlorooctadecane</i>			72.1 %	37.6-147		8040603	MS	06-Apr-18	8015B	

**Green Analytical Laboratories**
**Soluble (DI Water Extraction)**

Chloride	2120		100	mg/kg wet	100	B804052	JDA	06-Apr-18	EPA300.0	
----------	------	--	-----	-----------	-----	---------	-----	-----------	----------	--

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 or 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 damage 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

**Analytical Results For:**

 TRINITY OILFIELD SERVICES & RENTALS, LLC  
 P. O. BOX 2587  
 HOBBS NM, 88241

 Project: DORSTATE SWD  
 Project Number: NONE GIVEN  
 Project Manager: BEN ARGUIJO  
 Fax To: NONE

 Reported:  
 11-Apr-18 15:38

**SP-1 @ 9'**  
**H800935-03 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

**Cardinal Laboratories**
**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	8040505	MS	05-Apr-18	8021B	
Toluene*	<0.050		0.050	mg/kg	50	8040505	MS	05-Apr-18	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	8040505	MS	05-Apr-18	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	8040505	MS	05-Apr-18	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	8040505	MS	05-Apr-18	8021B	
<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			104 %	72-148		8040505	MS	05-Apr-18	8021B	

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	8040603	MS	06-Apr-18	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	8040603	MS	06-Apr-18	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	8040603	MS	06-Apr-18	8015B	
<i>Surrogate: 1-Chlorooctane</i>			83.6 %	41-142		8040603	MS	06-Apr-18	8015B	
<i>Surrogate: 1-Chlorooctadecane</i>			75.0 %	37.6-147		8040603	MS	06-Apr-18	8015B	

**Green Analytical Laboratories**
**Soluble (DI Water Extraction)**

Chloride	1610		100	mg/kg wet	100	B804052	JDA	06-Apr-18	EPA300.0	
----------	------	--	-----	-----------	-----	---------	-----	-----------	----------	--

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 or 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 damage 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

**Analytical Results For:**

 TRINITY OILFIELD SERVICES & RENTALS, LLC  
 P. O. BOX 2587  
 HOBBS NM, 88241

 Project: DORSTATE SWD  
 Project Number: NONE GIVEN  
 Project Manager: BEN ARGUIJO  
 Fax To: NONE

 Reported:  
 11-Apr-18 15:38

**SP-2 @ 1'**  
**H800935-04 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

**Cardinal Laboratories**
**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	8040505	MS	05-Apr-18	8021B	
Toluene*	<0.050		0.050	mg/kg	50	8040505	MS	05-Apr-18	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	8040505	MS	05-Apr-18	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	8040505	MS	05-Apr-18	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	8040505	MS	05-Apr-18	8021B	
<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			105 %	72-148		8040505	MS	05-Apr-18	8021B	

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	8040603	MS	06-Apr-18	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	8040603	MS	06-Apr-18	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	8040603	MS	06-Apr-18	8015B	
<i>Surrogate: 1-Chlorooctane</i>			82.8 %	41-142		8040603	MS	06-Apr-18	8015B	
<i>Surrogate: 1-Chlorooctadecane</i>			74.4 %	37.6-147		8040603	MS	06-Apr-18	8015B	

**Green Analytical Laboratories**
**Soluble (DI Water Extraction)**

Chloride	55.7		10.0	mg/kg wet	10	B804052	JDA	06-Apr-18	EPA300.0	
----------	------	--	------	-----------	----	---------	-----	-----------	----------	--

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 or 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 damage 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

**Analytical Results For:**

 TRINITY OILFIELD SERVICES & RENTALS, LLC  
 P. O. BOX 2587  
 HOBBS NM, 88241

 Project: DORSTATE SWD  
 Project Number: NONE GIVEN  
 Project Manager: BEN ARGUIJO  
 Fax To: NONE

 Reported:  
 11-Apr-18 15:38

**SP-3 @ 1'**  
**H800935-05 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

**Cardinal Laboratories**
**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	8040505	MS	05-Apr-18	8021B	
Toluene*	<0.050		0.050	mg/kg	50	8040505	MS	05-Apr-18	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	8040505	MS	05-Apr-18	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	8040505	MS	05-Apr-18	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	8040505	MS	05-Apr-18	8021B	
<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			104 %	72-148		8040505	MS	05-Apr-18	8021B	

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	8040603	MS	06-Apr-18	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	8040603	MS	06-Apr-18	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	8040603	MS	06-Apr-18	8015B	
<i>Surrogate: 1-Chlorooctane</i>			85.7 %	41-142		8040603	MS	06-Apr-18	8015B	
<i>Surrogate: 1-Chlorooctadecane</i>			76.2 %	37.6-147		8040603	MS	06-Apr-18	8015B	

**Green Analytical Laboratories**
**Soluble (DI Water Extraction)**

Chloride	75.1		50.0	mg/kg wet	50	B804052	JDA	06-Apr-18	EPA300.0	
----------	------	--	------	-----------	----	---------	-----	-----------	----------	--

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 or 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 damage 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

**Analytical Results For:**

 TRINITY OILFIELD SERVICES & RENTALS, LLC  
 P. O. BOX 2587  
 HOBBS NM, 88241

 Project: DORSTATE SWD  
 Project Number: NONE GIVEN  
 Project Manager: BEN ARGUIJO  
 Fax To: NONE

 Reported:  
 11-Apr-18 15:38

**SP-4 @ 1'**  
**H800935-06 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

**Cardinal Laboratories**
**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	8040505	MS	05-Apr-18	8021B	
Toluene*	<0.050		0.050	mg/kg	50	8040505	MS	05-Apr-18	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	8040505	MS	05-Apr-18	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	8040505	MS	05-Apr-18	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	8040505	MS	05-Apr-18	8021B	
<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			105 %	72-148		8040505	MS	05-Apr-18	8021B	

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	8040603	MS	07-Apr-18	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	8040603	MS	07-Apr-18	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	8040603	MS	07-Apr-18	8015B	
<i>Surrogate: 1-Chlorooctane</i>			80.2 %	41-142		8040603	MS	07-Apr-18	8015B	
<i>Surrogate: 1-Chlorooctadecane</i>			70.0 %	37.6-147		8040603	MS	07-Apr-18	8015B	

**Green Analytical Laboratories**
**Soluble (DI Water Extraction)**

Chloride	4740		100	mg/kg wet	100	B804052	JDA	06-Apr-18	EPA300.0	
----------	------	--	-----	-----------	-----	---------	-----	-----------	----------	--

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 or 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 damage 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

**Analytical Results For:**

 TRINITY OILFIELD SERVICES & RENTALS, LLC  
 P. O. BOX 2587  
 HOBBS NM, 88241

 Project: DORSTATE SWD  
 Project Number: NONE GIVEN  
 Project Manager: BEN ARGUIJO  
 Fax To: NONE

 Reported:  
 11-Apr-18 15:38

**SP-4 @ 3'**  
**H800935-07 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

**Cardinal Laboratories**
**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	8040505	MS	05-Apr-18	8021B	
Toluene*	<0.050		0.050	mg/kg	50	8040505	MS	05-Apr-18	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	8040505	MS	05-Apr-18	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	8040505	MS	05-Apr-18	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	8040505	MS	05-Apr-18	8021B	
<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			105 %	72-148		8040505	MS	05-Apr-18	8021B	

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	8040603	MS	07-Apr-18	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	8040603	MS	07-Apr-18	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	8040603	MS	07-Apr-18	8015B	
<i>Surrogate: 1-Chlorooctane</i>			82.4 %	41-142		8040603	MS	07-Apr-18	8015B	
<i>Surrogate: 1-Chlorooctadecane</i>			68.9 %	37.6-147		8040603	MS	07-Apr-18	8015B	

**Green Analytical Laboratories**
**Soluble (DI Water Extraction)**

Chloride	1860		100	mg/kg wet	100	B804052	JDA	06-Apr-18	EPA300.0	
----------	------	--	-----	-----------	-----	---------	-----	-----------	----------	--

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 or 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 damage 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

**Analytical Results For:**

 TRINITY OILFIELD SERVICES & RENTALS, LLC  
 P. O. BOX 2587  
 HOBBS NM, 88241

 Project: DORSTATE SWD  
 Project Number: NONE GIVEN  
 Project Manager: BEN ARGUIJO  
 Fax To: NONE

 Reported:  
 11-Apr-18 15:38

**SP-4 @ 5'**  
**H800935-08 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

**Cardinal Laboratories**
**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	8040505	MS	05-Apr-18	8021B	
Toluene*	<0.050		0.050	mg/kg	50	8040505	MS	05-Apr-18	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	8040505	MS	05-Apr-18	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	8040505	MS	05-Apr-18	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	8040505	MS	05-Apr-18	8021B	
<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			105 %	72-148		8040505	MS	05-Apr-18	8021B	

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	8040603	MS	07-Apr-18	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	8040603	MS	07-Apr-18	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	8040603	MS	07-Apr-18	8015B	
<i>Surrogate: 1-Chlorooctane</i>			86.1 %	41-142		8040603	MS	07-Apr-18	8015B	
<i>Surrogate: 1-Chlorooctadecane</i>			71.8 %	37.6-147		8040603	MS	07-Apr-18	8015B	

**Green Analytical Laboratories**
**Soluble (DI Water Extraction)**

Chloride	850		50.0	mg/kg wet	50	B804052	JDA	06-Apr-18	EPA300.0	
----------	-----	--	------	-----------	----	---------	-----	-----------	----------	--

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 or 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 damage 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

**Analytical Results For:**

 TRINITY OILFIELD SERVICES & RENTALS, LLC  
 P. O. BOX 2587  
 HOBBS NM, 88241

 Project: DORSTATE SWD  
 Project Number: NONE GIVEN  
 Project Manager: BEN ARGUIJO  
 Fax To: NONE

 Reported:  
 11-Apr-18 15:38

**SP-4 @ 6'**  
**H800935-09 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

**Cardinal Laboratories**
**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	8040505	MS	11-Apr-18	8021B	
Toluene*	<0.050		0.050	mg/kg	50	8040505	MS	11-Apr-18	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	8040505	MS	11-Apr-18	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	8040505	MS	11-Apr-18	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	8040505	MS	11-Apr-18	8021B	
<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			96.3 %	72-148		8040505	MS	11-Apr-18	8021B	

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	8040603	MS	07-Apr-18	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	8040603	MS	07-Apr-18	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	8040603	MS	07-Apr-18	8015B	
<i>Surrogate: 1-Chlorooctane</i>			86.8 %	41-142		8040603	MS	07-Apr-18	8015B	
<i>Surrogate: 1-Chlorooctadecane</i>			70.2 %	37.6-147		8040603	MS	07-Apr-18	8015B	

**Green Analytical Laboratories**
**Soluble (DI Water Extraction)**

Chloride	758		50.0	mg/kg wet	50	B804052	JDA	06-Apr-18	EPA300.0	
----------	-----	--	------	-----------	----	---------	-----	-----------	----------	--

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 or 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 damage 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

**Analytical Results For:**

 TRINITY OILFIELD SERVICES & RENTALS, LLC  
 P. O. BOX 2587  
 HOBBS NM, 88241

 Project: DORSTATE SWD  
 Project Number: NONE GIVEN  
 Project Manager: BEN ARGUIJO  
 Fax To: NONE

 Reported:  
 11-Apr-18 15:38

**SP-5 @ 1'**  
**H800935-10 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

**Cardinal Laboratories**
**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	8040505	MS	05-Apr-18	8021B	
Toluene*	<0.050		0.050	mg/kg	50	8040505	MS	05-Apr-18	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	8040505	MS	05-Apr-18	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	8040505	MS	05-Apr-18	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	8040505	MS	05-Apr-18	8021B	
<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			105 %	72-148		8040505	MS	05-Apr-18	8021B	

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	8040901	MS	10-Apr-18	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	8040901	MS	10-Apr-18	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	8040901	MS	10-Apr-18	8015B	
<i>Surrogate: 1-Chlorooctane</i>			78.8 %	41-142		8040901	MS	10-Apr-18	8015B	
<i>Surrogate: 1-Chlorooctadecane</i>			84.0 %	37.6-147		8040901	MS	10-Apr-18	8015B	

**Green Analytical Laboratories**
**Soluble (DI Water Extraction)**

Chloride	4800		100	mg/kg wet	100	B804052	JDA	06-Apr-18	EPA300.0	
----------	------	--	-----	-----------	-----	---------	-----	-----------	----------	--

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 or 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 damage 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

**Analytical Results For:**

 TRINITY OILFIELD SERVICES & RENTALS, LLC  
 P. O. BOX 2587  
 HOBBS NM, 88241

 Project: DORSTATE SWD  
 Project Number: NONE GIVEN  
 Project Manager: BEN ARGUIJO  
 Fax To: NONE

 Reported:  
 11-Apr-18 15:38

**SP-5 @ 3'**  
**H800935-11 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

**Cardinal Laboratories**
**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	8040505	MS	05-Apr-18	8021B	
Toluene*	<0.050		0.050	mg/kg	50	8040505	MS	05-Apr-18	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	8040505	MS	05-Apr-18	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	8040505	MS	05-Apr-18	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	8040505	MS	05-Apr-18	8021B	
<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			102 %		72-148	8040505	MS	05-Apr-18	8021B	

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	8040901	MS	10-Apr-18	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	8040901	MS	10-Apr-18	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	8040901	MS	10-Apr-18	8015B	
<i>Surrogate: 1-Chlorooctane</i>			87.3 %		41-142	8040901	MS	10-Apr-18	8015B	
<i>Surrogate: 1-Chlorooctadecane</i>			86.6 %		37.6-147	8040901	MS	10-Apr-18	8015B	

**Green Analytical Laboratories**
**Soluble (DI Water Extraction)**

Chloride	3900		100	mg/kg wet	100	B804052	JDA	06-Apr-18	EPA300.0	
----------	------	--	-----	-----------	-----	---------	-----	-----------	----------	--

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 or 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 damage 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

**Analytical Results For:**

 TRINITY OILFIELD SERVICES & RENTALS, LLC  
 P. O. BOX 2587  
 HOBBS NM, 88241

 Project: DORSTATE SWD  
 Project Number: NONE GIVEN  
 Project Manager: BEN ARGUIJO  
 Fax To: NONE

 Reported:  
 11-Apr-18 15:38

**SP-6 @ 1'**  
**H800935-12 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

**Cardinal Laboratories**
**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	8040505	MS	05-Apr-18	8021B	
Toluene*	<0.050		0.050	mg/kg	50	8040505	MS	05-Apr-18	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	8040505	MS	05-Apr-18	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	8040505	MS	05-Apr-18	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	8040505	MS	05-Apr-18	8021B	
<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			103 %	72-148		8040505	MS	05-Apr-18	8021B	

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	8040901	MS	10-Apr-18	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	8040901	MS	10-Apr-18	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	8040901	MS	10-Apr-18	8015B	
<i>Surrogate: 1-Chlorooctane</i>			80.9 %	41-142		8040901	MS	10-Apr-18	8015B	
<i>Surrogate: 1-Chlorooctadecane</i>			77.8 %	37.6-147		8040901	MS	10-Apr-18	8015B	

**Green Analytical Laboratories**
**Soluble (DI Water Extraction)**

Chloride	38.3		10.0	mg/kg wet	10	B804052	JDA	06-Apr-18	EPA300.0	
----------	------	--	------	-----------	----	---------	-----	-----------	----------	--

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 or 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 damage 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

**Analytical Results For:**

 TRINITY OILFIELD SERVICES & RENTALS, LLC  
 P. O. BOX 2587  
 HOBBS NM, 88241

 Project: DORSTATE SWD  
 Project Number: NONE GIVEN  
 Project Manager: BEN ARGUIJO  
 Fax To: NONE

 Reported:  
 11-Apr-18 15:38

**SP-7 @ 1'**  
**H800935-13 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

**Cardinal Laboratories**
**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	8040505	MS	05-Apr-18	8021B	
Toluene*	<0.050		0.050	mg/kg	50	8040505	MS	05-Apr-18	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	8040505	MS	05-Apr-18	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	8040505	MS	05-Apr-18	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	8040505	MS	05-Apr-18	8021B	
<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			103 %	72-148		8040505	MS	05-Apr-18	8021B	

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	8040901	MS	10-Apr-18	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	8040901	MS	10-Apr-18	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	8040901	MS	10-Apr-18	8015B	
<i>Surrogate: 1-Chlorooctane</i>			84.2 %	41-142		8040901	MS	10-Apr-18	8015B	
<i>Surrogate: 1-Chlorooctadecane</i>			82.2 %	37.6-147		8040901	MS	10-Apr-18	8015B	

**Green Analytical Laboratories**
**Soluble (DI Water Extraction)**

Chloride	98.4		10.0	mg/kg wet	10	B804052	JDA	06-Apr-18	EPA300.0	
----------	------	--	------	-----------	----	---------	-----	-----------	----------	--

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 or 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 damage 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

**Analytical Results For:**

 TRINITY OILFIELD SERVICES & RENTALS, LLC  
 P. O. BOX 2587  
 HOBBS NM, 88241

 Project: DORSTATE SWD  
 Project Number: NONE GIVEN  
 Project Manager: BEN ARGUIJO  
 Fax To: NONE

 Reported:  
 11-Apr-18 15:38

**SP-8 @ 1'**  
**H800935-14 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

**Cardinal Laboratories**
**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	8040505	MS	05-Apr-18	8021B	
Toluene*	<0.050		0.050	mg/kg	50	8040505	MS	05-Apr-18	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	8040505	MS	05-Apr-18	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	8040505	MS	05-Apr-18	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	8040505	MS	05-Apr-18	8021B	
<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			104 %	72-148		8040505	MS	05-Apr-18	8021B	

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	8040901	MS	10-Apr-18	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	8040901	MS	10-Apr-18	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	8040901	MS	10-Apr-18	8015B	
<i>Surrogate: 1-Chlorooctane</i>			88.6 %	41-142		8040901	MS	10-Apr-18	8015B	
<i>Surrogate: 1-Chlorooctadecane</i>			88.0 %	37.6-147		8040901	MS	10-Apr-18	8015B	

**Green Analytical Laboratories**
**Soluble (DI Water Extraction)**

Chloride	8070		200	mg/kg wet	200	B804052	JDA	07-Apr-18	EPA300.0	
----------	------	--	-----	-----------	-----	---------	-----	-----------	----------	--

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 or 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 damage 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

**Analytical Results For:**

 TRINITY OILFIELD SERVICES & RENTALS, LLC  
 P. O. BOX 2587  
 HOBBS NM, 88241

 Project: DORSTATE SWD  
 Project Number: NONE GIVEN  
 Project Manager: BEN ARGUIJO  
 Fax To: NONE

 Reported:  
 11-Apr-18 15:38

**SP-9 @ 1'**  
**H800935-15 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

**Cardinal Laboratories**
**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	8040505	MS	05-Apr-18	8021B	
Toluene*	<0.050		0.050	mg/kg	50	8040505	MS	05-Apr-18	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	8040505	MS	05-Apr-18	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	8040505	MS	05-Apr-18	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	8040505	MS	05-Apr-18	8021B	
<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			104 %	72-148		8040505	MS	05-Apr-18	8021B	

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	8040901	MS	10-Apr-18	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	8040901	MS	10-Apr-18	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	8040901	MS	10-Apr-18	8015B	
<i>Surrogate: 1-Chlorooctane</i>			85.9 %	41-142		8040901	MS	10-Apr-18	8015B	
<i>Surrogate: 1-Chlorooctadecane</i>			84.3 %	37.6-147		8040901	MS	10-Apr-18	8015B	

**Green Analytical Laboratories**
**Soluble (DI Water Extraction)**

Chloride	119		10.0	mg/kg wet	10	B804052	JDA	06-Apr-18	EPA300.0	
----------	-----	--	------	-----------	----	---------	-----	-----------	----------	--

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 or 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 damage 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

**Analytical Results For:**

 TRINITY OILFIELD SERVICES & RENTALS, LLC  
 P. O. BOX 2587  
 HOBBS NM, 88241

 Project: DORSTATE SWD  
 Project Number: NONE GIVEN  
 Project Manager: BEN ARGUIJO  
 Fax To: NONE

 Reported:  
 11-Apr-18 15:38

**SP-10 @ 1'**  
**H800935-16 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

**Cardinal Laboratories**
**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	8040505	MS	05-Apr-18	8021B	
Toluene*	<0.050		0.050	mg/kg	50	8040505	MS	05-Apr-18	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	8040505	MS	05-Apr-18	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	8040505	MS	05-Apr-18	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	8040505	MS	05-Apr-18	8021B	
<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			105 %	72-148		8040505	MS	05-Apr-18	8021B	

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	8040901	MS	10-Apr-18	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	8040901	MS	10-Apr-18	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	8040901	MS	10-Apr-18	8015B	
<i>Surrogate: 1-Chlorooctane</i>			87.3 %	41-142		8040901	MS	10-Apr-18	8015B	
<i>Surrogate: 1-Chlorooctadecane</i>			85.2 %	37.6-147		8040901	MS	10-Apr-18	8015B	

**Green Analytical Laboratories**
**Soluble (DI Water Extraction)**

Chloride	35.6		10.0	mg/kg wet	10	B804052	JDA	06-Apr-18	EPA300.0	
----------	------	--	------	-----------	----	---------	-----	-----------	----------	--

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 or 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 damage 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

**Analytical Results For:**

 TRINITY OILFIELD SERVICES & RENTALS, LLC  
 P. O. BOX 2587  
 HOBBS NM, 88241

 Project: DORSTATE SWD  
 Project Number: NONE GIVEN  
 Project Manager: BEN ARGUIJO  
 Fax To: NONE

 Reported:  
 11-Apr-18 15:38

**SP-11 @ 1'**  
**H800935-17 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

**Cardinal Laboratories**
**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	8040505	MS	05-Apr-18	8021B	
Toluene*	<0.050		0.050	mg/kg	50	8040505	MS	05-Apr-18	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	8040505	MS	05-Apr-18	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	8040505	MS	05-Apr-18	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	8040505	MS	05-Apr-18	8021B	
<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			104 %	72-148		8040505	MS	05-Apr-18	8021B	

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	8040901	MS	10-Apr-18	8015B	
<b>DRO &gt;C10-C28*</b>	<b>29.7</b>		10.0	mg/kg	1	8040901	MS	10-Apr-18	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	8040901	MS	10-Apr-18	8015B	
<i>Surrogate: 1-Chlorooctane</i>			88.6 %	41-142		8040901	MS	10-Apr-18	8015B	
<i>Surrogate: 1-Chlorooctadecane</i>			89.7 %	37.6-147		8040901	MS	10-Apr-18	8015B	

**Green Analytical Laboratories**
**Soluble (DI Water Extraction)**

Chloride	5040		100	mg/kg wet	100	B804052	JDA	06-Apr-18	EPA300.0	
----------	------	--	-----	-----------	-----	---------	-----	-----------	----------	--

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 or 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 damage 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

**Analytical Results For:**

 TRINITY OILFIELD SERVICES & RENTALS, LLC  
 P. O. BOX 2587  
 HOBBS NM, 88241

 Project: DORSTATE SWD  
 Project Number: NONE GIVEN  
 Project Manager: BEN ARGUIJO  
 Fax To: NONE

 Reported:  
 11-Apr-18 15:38

**SP-12 @ 1'**  
**H800935-18 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

**Cardinal Laboratories**
**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	8040505	MS	05-Apr-18	8021B	
Toluene*	<0.050		0.050	mg/kg	50	8040505	MS	05-Apr-18	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	8040505	MS	05-Apr-18	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	8040505	MS	05-Apr-18	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	8040505	MS	05-Apr-18	8021B	
<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			105 %	72-148		8040505	MS	05-Apr-18	8021B	

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	8040901	MS	10-Apr-18	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	8040901	MS	10-Apr-18	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	8040901	MS	10-Apr-18	8015B	
<i>Surrogate: 1-Chlorooctane</i>			79.0 %	41-142		8040901	MS	10-Apr-18	8015B	
<i>Surrogate: 1-Chlorooctadecane</i>			75.2 %	37.6-147		8040901	MS	10-Apr-18	8015B	

**Green Analytical Laboratories**
**Soluble (DI Water Extraction)**

Chloride	1450		50.0	mg/kg wet	50	B804052	JDA	06-Apr-18	EPA300.0	
----------	------	--	------	-----------	----	---------	-----	-----------	----------	--

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 or 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 damage 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

**Analytical Results For:**

 TRINITY OILFIELD SERVICES & RENTALS, LLC  
 P. O. BOX 2587  
 HOBBS NM, 88241

 Project: DORSTATE SWD  
 Project Number: NONE GIVEN  
 Project Manager: BEN ARGUIJO  
 Fax To: NONE

 Reported:  
 11-Apr-18 15:38

**SP-12 @ 3'**  
**H800935-19 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

**Cardinal Laboratories**
**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	8040505	MS	05-Apr-18	8021B	
Toluene*	<0.050		0.050	mg/kg	50	8040505	MS	05-Apr-18	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	8040505	MS	05-Apr-18	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	8040505	MS	05-Apr-18	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	8040505	MS	05-Apr-18	8021B	
<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			105 %	72-148		8040505	MS	05-Apr-18	8021B	

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	8040901	MS	10-Apr-18	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	8040901	MS	10-Apr-18	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	8040901	MS	10-Apr-18	8015B	
<i>Surrogate: 1-Chlorooctane</i>			89.4 %	41-142		8040901	MS	10-Apr-18	8015B	
<i>Surrogate: 1-Chlorooctadecane</i>			95.0 %	37.6-147		8040901	MS	10-Apr-18	8015B	

**Green Analytical Laboratories**
**Soluble (DI Water Extraction)**

Chloride	2460		100	mg/kg wet	100	B804052	JDA	07-Apr-18	EPA300.0	
----------	------	--	-----	-----------	-----	---------	-----	-----------	----------	--

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 or 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 damage 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

**Analytical Results For:**

 TRINITY OILFIELD SERVICES & RENTALS, LLC  
 P. O. BOX 2587  
 HOBBS NM, 88241

 Project: DORSTATE SWD  
 Project Number: NONE GIVEN  
 Project Manager: BEN ARGUIJO  
 Fax To: NONE

 Reported:  
 11-Apr-18 15:38

**SP-12 @ 5'**  
**H800935-20 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

**Cardinal Laboratories**
**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	8040505	MS	05-Apr-18	8021B	
Toluene*	<0.050		0.050	mg/kg	50	8040505	MS	05-Apr-18	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	8040505	MS	05-Apr-18	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	8040505	MS	05-Apr-18	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	8040505	MS	05-Apr-18	8021B	
<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			105 %	72-148		8040505	MS	05-Apr-18	8021B	

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	8040901	MS	10-Apr-18	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	8040901	MS	10-Apr-18	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	8040901	MS	10-Apr-18	8015B	
<i>Surrogate: 1-Chlorooctane</i>			91.5 %	41-142		8040901	MS	10-Apr-18	8015B	
<i>Surrogate: 1-Chlorooctadecane</i>			98.9 %	37.6-147		8040901	MS	10-Apr-18	8015B	

**Green Analytical Laboratories**
**Soluble (DI Water Extraction)**

Chloride	1180		50.0	mg/kg wet	50	B804052	JDA	07-Apr-18	EPA300.0	
----------	------	--	------	-----------	----	---------	-----	-----------	----------	--

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 or 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 damage 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

**Analytical Results For:**

 TRINITY OILFIELD SERVICES & RENTALS, LLC  
 P. O. BOX 2587  
 HOBBS NM, 88241

 Project: DORSTATE SWD  
 Project Number: NONE GIVEN  
 Project Manager: BEN ARGUIJO  
 Fax To: NONE

 Reported:  
 11-Apr-18 15:38

**SP-13 @ 1'**  
**H800935-21 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

**Cardinal Laboratories**
**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	8040506	MS	05-Apr-18	8021B	QR-03
Toluene*	<0.050		0.050	mg/kg	50	8040506	MS	05-Apr-18	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	8040506	MS	05-Apr-18	8021B	QR-03
Total Xylenes*	<0.150		0.150	mg/kg	50	8040506	MS	05-Apr-18	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	8040506	MS	05-Apr-18	8021B	
<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			108 %	72-148		8040506	MS	05-Apr-18	8021B	

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	8040901	MS	10-Apr-18	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	8040901	MS	10-Apr-18	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	8040901	MS	10-Apr-18	8015B	
<i>Surrogate: 1-Chlorooctane</i>			89.6 %	41-142		8040901	MS	10-Apr-18	8015B	
<i>Surrogate: 1-Chlorooctadecane</i>			97.0 %	37.6-147		8040901	MS	10-Apr-18	8015B	

**Green Analytical Laboratories**
**Soluble (DI Water Extraction)**

Chloride	2600		100	mg/kg wet	100	B804053	JDA	07-Apr-18	EPA300.0	
----------	------	--	-----	-----------	-----	---------	-----	-----------	----------	--

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 or 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 damage 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

**Analytical Results For:**

 TRINITY OILFIELD SERVICES & RENTALS, LLC  
 P. O. BOX 2587  
 HOBBS NM, 88241

 Project: DORSTATE SWD  
 Project Number: NONE GIVEN  
 Project Manager: BEN ARGUIJO  
 Fax To: NONE

 Reported:  
 11-Apr-18 15:38

**SP-14 @ 1'**  
**H800935-22 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

**Cardinal Laboratories**
**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	8040506	MS	05-Apr-18	8021B	
Toluene*	<0.050		0.050	mg/kg	50	8040506	MS	05-Apr-18	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	8040506	MS	05-Apr-18	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	8040506	MS	05-Apr-18	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	8040506	MS	05-Apr-18	8021B	
<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			109 %	72-148		8040506	MS	05-Apr-18	8021B	

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	8040901	MS	10-Apr-18	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	8040901	MS	10-Apr-18	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	8040901	MS	10-Apr-18	8015B	
<i>Surrogate: 1-Chlorooctane</i>			91.2 %	41-142		8040901	MS	10-Apr-18	8015B	
<i>Surrogate: 1-Chlorooctadecane</i>			98.6 %	37.6-147		8040901	MS	10-Apr-18	8015B	

**Green Analytical Laboratories**
**Soluble (DI Water Extraction)**

Chloride	9180		200	mg/kg wet	200	B804053	JDA	07-Apr-18	EPA300.0	
----------	------	--	-----	-----------	-----	---------	-----	-----------	----------	--

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 or 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 damage 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

**Analytical Results For:**

 TRINITY OILFIELD SERVICES & RENTALS, LLC  
 P. O. BOX 2587  
 HOBBS NM, 88241

 Project: DORSTATE SWD  
 Project Number: NONE GIVEN  
 Project Manager: BEN ARGUIJO  
 Fax To: NONE

 Reported:  
 11-Apr-18 15:38

**SP-15 @ 1'**  
**H800935-23 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

**Cardinal Laboratories**
**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	8040506	MS	05-Apr-18	8021B	
Toluene*	<0.050		0.050	mg/kg	50	8040506	MS	05-Apr-18	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	8040506	MS	05-Apr-18	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	8040506	MS	05-Apr-18	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	8040506	MS	05-Apr-18	8021B	
<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			107 %	72-148		8040506	MS	05-Apr-18	8021B	

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	8040901	MS	10-Apr-18	8015B	
<b>DRO &gt;C10-C28*</b>	<b>37.0</b>		10.0	mg/kg	1	8040901	MS	10-Apr-18	8015B	
<b>EXT DRO &gt;C28-C36</b>	<b>11.5</b>		10.0	mg/kg	1	8040901	MS	10-Apr-18	8015B	
<i>Surrogate: 1-Chlorooctane</i>			96.4 %	41-142		8040901	MS	10-Apr-18	8015B	
<i>Surrogate: 1-Chlorooctadecane</i>			108 %	37.6-147		8040901	MS	10-Apr-18	8015B	

**Green Analytical Laboratories**
**Soluble (DI Water Extraction)**

Chloride	5240		200	mg/kg wet	200	B804053	JDA	07-Apr-18	EPA300.0	
----------	------	--	-----	-----------	-----	---------	-----	-----------	----------	--

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 or 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 damage 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

**Analytical Results For:**

 TRINITY OILFIELD SERVICES & RENTALS, LLC  
 P. O. BOX 2587  
 HOBBS NM, 88241

 Project: DORSTATE SWD  
 Project Number: NONE GIVEN  
 Project Manager: BEN ARGUIJO  
 Fax To: NONE

 Reported:  
 11-Apr-18 15:38

**SP-16 @ 1'**  
**H800935-24 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

**Cardinal Laboratories**
**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	8040506	MS	05-Apr-18	8021B	
Toluene*	<0.050		0.050	mg/kg	50	8040506	MS	05-Apr-18	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	8040506	MS	05-Apr-18	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	8040506	MS	05-Apr-18	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	8040506	MS	05-Apr-18	8021B	
<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			108 %	72-148		8040506	MS	05-Apr-18	8021B	

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	8040901	MS	10-Apr-18	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	8040901	MS	10-Apr-18	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	8040901	MS	10-Apr-18	8015B	
<i>Surrogate: 1-Chlorooctane</i>			88.3 %	41-142		8040901	MS	10-Apr-18	8015B	
<i>Surrogate: 1-Chlorooctadecane</i>			95.7 %	37.6-147		8040901	MS	10-Apr-18	8015B	

**Green Analytical Laboratories**
**Soluble (DI Water Extraction)**

Chloride	269		200	mg/kg wet	200	B804053	JDA	07-Apr-18	EPA300.0	
----------	-----	--	-----	-----------	-----	---------	-----	-----------	----------	--

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 or 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 damage 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

**Analytical Results For:**

 TRINITY OILFIELD SERVICES & RENTALS, LLC  
 P. O. BOX 2587  
 HOBBS NM, 88241

 Project: DORSTATE SWD  
 Project Number: NONE GIVEN  
 Project Manager: BEN ARGUIJO  
 Fax To: NONE

 Reported:  
 11-Apr-18 15:38

**SP-17 @ 1'**  
**H800935-25 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

**Cardinal Laboratories**
**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	8040506	MS	06-Apr-18	8021B	
Toluene*	<0.050		0.050	mg/kg	50	8040506	MS	06-Apr-18	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	8040506	MS	06-Apr-18	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	8040506	MS	06-Apr-18	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	8040506	MS	06-Apr-18	8021B	
<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			107 %	72-148		8040506	MS	06-Apr-18	8021B	

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	8040901	MS	10-Apr-18	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	8040901	MS	10-Apr-18	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	8040901	MS	10-Apr-18	8015B	
<i>Surrogate: 1-Chlorooctane</i>			93.8 %	41-142		8040901	MS	10-Apr-18	8015B	
<i>Surrogate: 1-Chlorooctadecane</i>			96.2 %	37.6-147		8040901	MS	10-Apr-18	8015B	

**Green Analytical Laboratories**
**Soluble (DI Water Extraction)**

Chloride	1710		200	mg/kg wet	200	B804053	JDA	07-Apr-18	EPA300.0	
----------	------	--	-----	-----------	-----	---------	-----	-----------	----------	--

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 or 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 damage 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

**Analytical Results For:**

 TRINITY OILFIELD SERVICES & RENTALS, LLC  
 P. O. BOX 2587  
 HOBBS NM, 88241

 Project: DORSTATE SWD  
 Project Number: NONE GIVEN  
 Project Manager: BEN ARGUIJO  
 Fax To: NONE

 Reported:  
 11-Apr-18 15:38

**SP-18 @ 1'**  
**H800935-26 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

**Cardinal Laboratories**
**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	8040506	MS	06-Apr-18	8021B	
Toluene*	<0.050		0.050	mg/kg	50	8040506	MS	06-Apr-18	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	8040506	MS	06-Apr-18	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	8040506	MS	06-Apr-18	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	8040506	MS	06-Apr-18	8021B	
<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			107 %	72-148		8040506	MS	06-Apr-18	8021B	

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	8040901	MS	10-Apr-18	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	8040901	MS	10-Apr-18	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	8040901	MS	10-Apr-18	8015B	
<i>Surrogate: 1-Chlorooctane</i>			93.8 %	41-142		8040901	MS	10-Apr-18	8015B	
<i>Surrogate: 1-Chlorooctadecane</i>			97.4 %	37.6-147		8040901	MS	10-Apr-18	8015B	

**Green Analytical Laboratories**
**Soluble (DI Water Extraction)**

Chloride	3130		100	mg/kg wet	100	B804053	JDA	07-Apr-18	EPA300.0	
----------	------	--	-----	-----------	-----	---------	-----	-----------	----------	--

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 or 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 damage 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

**Analytical Results For:**

 TRINITY OILFIELD SERVICES & RENTALS, LLC  
 P. O. BOX 2587  
 HOBBS NM, 88241

 Project: DORSTATE SWD  
 Project Number: NONE GIVEN  
 Project Manager: BEN ARGUIJO  
 Fax To: NONE

 Reported:  
 11-Apr-18 15:38

**SP-19 @ 1'**  
**H800935-27 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

**Cardinal Laboratories**
**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	8040506	MS	06-Apr-18	8021B	
Toluene*	<0.050		0.050	mg/kg	50	8040506	MS	06-Apr-18	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	8040506	MS	06-Apr-18	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	8040506	MS	06-Apr-18	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	8040506	MS	06-Apr-18	8021B	
<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			106 %	72-148		8040506	MS	06-Apr-18	8021B	

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	8040901	MS	10-Apr-18	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	8040901	MS	10-Apr-18	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	8040901	MS	10-Apr-18	8015B	
<i>Surrogate: 1-Chlorooctane</i>			86.3 %	41-142		8040901	MS	10-Apr-18	8015B	
<i>Surrogate: 1-Chlorooctadecane</i>			91.1 %	37.6-147		8040901	MS	10-Apr-18	8015B	

**Green Analytical Laboratories**
**Soluble (DI Water Extraction)**

Chloride	1150		200	mg/kg wet	200	B804053	JDA	07-Apr-18	EPA300.0	
----------	------	--	-----	-----------	-----	---------	-----	-----------	----------	--

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 or 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 damage 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

**Analytical Results For:**

 TRINITY OILFIELD SERVICES & RENTALS, LLC  
 P. O. BOX 2587  
 HOBBS NM, 88241

 Project: DORSTATE SWD  
 Project Number: NONE GIVEN  
 Project Manager: BEN ARGUIJO  
 Fax To: NONE

 Reported:  
 11-Apr-18 15:38

**SP-20 @ 1'**  
**H800935-28 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

**Cardinal Laboratories**
**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	8040506	MS	06-Apr-18	8021B	
Toluene*	<0.050		0.050	mg/kg	50	8040506	MS	06-Apr-18	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	8040506	MS	06-Apr-18	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	8040506	MS	06-Apr-18	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	8040506	MS	06-Apr-18	8021B	
<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			109 %	72-148		8040506	MS	06-Apr-18	8021B	

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	8040901	MS	10-Apr-18	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	8040901	MS	10-Apr-18	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	8040901	MS	10-Apr-18	8015B	
<i>Surrogate: 1-Chlorooctane</i>			86.5 %	41-142		8040901	MS	10-Apr-18	8015B	
<i>Surrogate: 1-Chlorooctadecane</i>			94.7 %	37.6-147		8040901	MS	10-Apr-18	8015B	

**Green Analytical Laboratories**
**Soluble (DI Water Extraction)**

Chloride	31.0		10.0	mg/kg wet	10	B804053	JDA	07-Apr-18	EPA300.0	
----------	------	--	------	-----------	----	---------	-----	-----------	----------	--

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 or 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 damage 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

**Analytical Results For:**

 TRINITY OILFIELD SERVICES & RENTALS, LLC  
 P. O. BOX 2587  
 HOBBS NM, 88241

 Project: DORSTATE SWD  
 Project Number: NONE GIVEN  
 Project Manager: BEN ARGUIJO  
 Fax To: NONE

 Reported:  
 11-Apr-18 15:38

**SP-21 @ 1'**  
**H800935-29 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

**Cardinal Laboratories**
**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	8040506	MS	06-Apr-18	8021B	
Toluene*	<0.050		0.050	mg/kg	50	8040506	MS	06-Apr-18	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	8040506	MS	06-Apr-18	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	8040506	MS	06-Apr-18	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	8040506	MS	06-Apr-18	8021B	
<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			109 %	72-148		8040506	MS	06-Apr-18	8021B	

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	8040901	MS	10-Apr-18	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	8040901	MS	10-Apr-18	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	8040901	MS	10-Apr-18	8015B	
<i>Surrogate: 1-Chlorooctane</i>			90.8 %	41-142		8040901	MS	10-Apr-18	8015B	
<i>Surrogate: 1-Chlorooctadecane</i>			98.9 %	37.6-147		8040901	MS	10-Apr-18	8015B	

**Green Analytical Laboratories**
**Soluble (DI Water Extraction)**

Chloride	<50.0		50.0	mg/kg wet	50	B804053	JDA	07-Apr-18	EPA300.0	
----------	-------	--	------	-----------	----	---------	-----	-----------	----------	--

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 or 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 damage 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

**Analytical Results For:**

 TRINITY OILFIELD SERVICES & RENTALS, LLC  
 P. O. BOX 2587  
 HOBBS NM, 88241

 Project: DORSTATE SWD  
 Project Number: NONE GIVEN  
 Project Manager: BEN ARGUIJO  
 Fax To: NONE

 Reported:  
 11-Apr-18 15:38

**SP-22 @ 1'**  
**H800935-30 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

**Cardinal Laboratories**
**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	8040506	MS	06-Apr-18	8021B	
Toluene*	<0.050		0.050	mg/kg	50	8040506	MS	06-Apr-18	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	8040506	MS	06-Apr-18	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	8040506	MS	06-Apr-18	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	8040506	MS	06-Apr-18	8021B	
<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			105 %	72-148		8040506	MS	06-Apr-18	8021B	

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	8040902	MS	10-Apr-18	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	8040902	MS	10-Apr-18	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	8040902	MS	10-Apr-18	8015B	
<i>Surrogate: 1-Chlorooctane</i>			84.3 %	41-142		8040902	MS	10-Apr-18	8015B	
<i>Surrogate: 1-Chlorooctadecane</i>			70.1 %	37.6-147		8040902	MS	10-Apr-18	8015B	

**Green Analytical Laboratories**
**Soluble (DI Water Extraction)**

Chloride	16.0		10.0	mg/kg wet	10	B804053	JDA	07-Apr-18	EPA300.0	
----------	------	--	------	-----------	----	---------	-----	-----------	----------	--

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 or 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 damage 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

**Analytical Results For:**

 TRINITY OILFIELD SERVICES & RENTALS, LLC  
 P. O. BOX 2587  
 HOBBS NM, 88241

 Project: DORSTATE SWD  
 Project Number: NONE GIVEN  
 Project Manager: BEN ARGUIJO  
 Fax To: NONE

 Reported:  
 11-Apr-18 15:38

**SP-23 @ 1'**  
**H800935-31 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

**Cardinal Laboratories**
**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	8040506	MS	06-Apr-18	8021B	
Toluene*	<0.050		0.050	mg/kg	50	8040506	MS	06-Apr-18	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	8040506	MS	06-Apr-18	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	8040506	MS	06-Apr-18	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	8040506	MS	06-Apr-18	8021B	
<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			108 %	72-148		8040506	MS	06-Apr-18	8021B	

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	8040902	MS	10-Apr-18	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	8040902	MS	10-Apr-18	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	8040902	MS	10-Apr-18	8015B	
<i>Surrogate: 1-Chlorooctane</i>			87.2 %	41-142		8040902	MS	10-Apr-18	8015B	
<i>Surrogate: 1-Chlorooctadecane</i>			71.8 %	37.6-147		8040902	MS	10-Apr-18	8015B	

**Green Analytical Laboratories**
**Soluble (DI Water Extraction)**

Chloride	37.9		10.0	mg/kg wet	10	B804053	JDA	07-Apr-18	EPA300.0	
----------	------	--	------	-----------	----	---------	-----	-----------	----------	--

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 or 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 damage 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

**Analytical Results For:**

 TRINITY OILFIELD SERVICES & RENTALS, LLC  
 P. O. BOX 2587  
 HOBBS NM, 88241

 Project: DORSTATE SWD  
 Project Number: NONE GIVEN  
 Project Manager: BEN ARGUIJO  
 Fax To: NONE

 Reported:  
 11-Apr-18 15:38

**SP-24 @ 1'**  
**H800935-32 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

**Cardinal Laboratories**
**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	8040506	MS	06-Apr-18	8021B	
Toluene*	<0.050		0.050	mg/kg	50	8040506	MS	06-Apr-18	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	8040506	MS	06-Apr-18	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	8040506	MS	06-Apr-18	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	8040506	MS	06-Apr-18	8021B	
<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			108 %	72-148		8040506	MS	06-Apr-18	8021B	

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	8040902	MS	10-Apr-18	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	8040902	MS	10-Apr-18	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	8040902	MS	10-Apr-18	8015B	
<i>Surrogate: 1-Chlorooctane</i>			87.5 %	41-142		8040902	MS	10-Apr-18	8015B	
<i>Surrogate: 1-Chlorooctadecane</i>			71.8 %	37.6-147		8040902	MS	10-Apr-18	8015B	

**Green Analytical Laboratories**
**Soluble (DI Water Extraction)**

Chloride	20.5		10.0	mg/kg wet	10	B804053	JDA	07-Apr-18	EPA300.0	
----------	------	--	------	-----------	----	---------	-----	-----------	----------	--

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 or 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 damage 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

**Analytical Results For:**

 TRINITY OILFIELD SERVICES & RENTALS, LLC  
 P. O. BOX 2587  
 HOBBS NM, 88241

 Project: DORSTATE SWD  
 Project Number: NONE GIVEN  
 Project Manager: BEN ARGUIJO  
 Fax To: NONE

 Reported:  
 11-Apr-18 15:38

**SP-25 @ 1'**  
**H800935-33 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

**Cardinal Laboratories**
**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	8040506	MS	06-Apr-18	8021B	
Toluene*	<0.050		0.050	mg/kg	50	8040506	MS	06-Apr-18	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	8040506	MS	06-Apr-18	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	8040506	MS	06-Apr-18	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	8040506	MS	06-Apr-18	8021B	
<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			109 %	72-148		8040506	MS	06-Apr-18	8021B	

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	8040902	MS	10-Apr-18	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	8040902	MS	10-Apr-18	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	8040902	MS	10-Apr-18	8015B	
<i>Surrogate: 1-Chlorooctane</i>			93.2 %	41-142		8040902	MS	10-Apr-18	8015B	
<i>Surrogate: 1-Chlorooctadecane</i>			78.5 %	37.6-147		8040902	MS	10-Apr-18	8015B	

**Green Analytical Laboratories**
**Soluble (DI Water Extraction)**

Chloride	2390		200	mg/kg wet	200	B804053	JDA	07-Apr-18	EPA300.0	
----------	------	--	-----	-----------	-----	---------	-----	-----------	----------	--

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 or 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 damage 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

**Analytical Results For:**

 TRINITY OILFIELD SERVICES & RENTALS, LLC  
 P. O. BOX 2587  
 HOBBS NM, 88241

 Project: DORSTATE SWD  
 Project Number: NONE GIVEN  
 Project Manager: BEN ARGUIJO  
 Fax To: NONE

 Reported:  
 11-Apr-18 15:38

**SP-26 @ 1'**  
**H800935-34 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

**Cardinal Laboratories**
**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	8040506	MS	06-Apr-18	8021B	
Toluene*	<0.050		0.050	mg/kg	50	8040506	MS	06-Apr-18	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	8040506	MS	06-Apr-18	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	8040506	MS	06-Apr-18	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	8040506	MS	06-Apr-18	8021B	
<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			108 %	72-148		8040506	MS	06-Apr-18	8021B	

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	8040902	MS	10-Apr-18	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	8040902	MS	10-Apr-18	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	8040902	MS	10-Apr-18	8015B	
<i>Surrogate: 1-Chlorooctane</i>			94.7 %	41-142		8040902	MS	10-Apr-18	8015B	
<i>Surrogate: 1-Chlorooctadecane</i>			81.1 %	37.6-147		8040902	MS	10-Apr-18	8015B	

**Green Analytical Laboratories**
**Soluble (DI Water Extraction)**

Chloride	292		10.0	mg/kg wet	10	B804053	JDA	07-Apr-18	EPA300.0	
----------	-----	--	------	-----------	----	---------	-----	-----------	----------	--

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 or 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 damage 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

**Analytical Results For:**

 TRINITY OILFIELD SERVICES & RENTALS, LLC  
 P. O. BOX 2587  
 HOBBS NM, 88241

 Project: DORSTATE SWD  
 Project Number: NONE GIVEN  
 Project Manager: BEN ARGUIJO  
 Fax To: NONE

 Reported:  
 11-Apr-18 15:38

**SP-27 @ 1'**  
**H800935-35 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

**Cardinal Laboratories**
**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	8040506	MS	06-Apr-18	8021B	
Toluene*	<0.050		0.050	mg/kg	50	8040506	MS	06-Apr-18	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	8040506	MS	06-Apr-18	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	8040506	MS	06-Apr-18	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	8040506	MS	06-Apr-18	8021B	
<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			104 %	72-148		8040506	MS	06-Apr-18	8021B	

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	8040902	MS	10-Apr-18	8015B	
<b>DRO &gt;C10-C28*</b>	<b>35.7</b>		10.0	mg/kg	1	8040902	MS	10-Apr-18	8015B	
<b>EXT DRO &gt;C28-C36</b>	<b>24.9</b>		10.0	mg/kg	1	8040902	MS	10-Apr-18	8015B	
<i>Surrogate: 1-Chlorooctane</i>			91.9 %	41-142		8040902	MS	10-Apr-18	8015B	
<i>Surrogate: 1-Chlorooctadecane</i>			94.9 %	37.6-147		8040902	MS	10-Apr-18	8015B	

**Green Analytical Laboratories**
**Soluble (DI Water Extraction)**

<b>Chloride</b>	<b>931</b>		200	mg/kg wet	200	B804053	JDA	07-Apr-18	EPA300.0	
-----------------	------------	--	-----	-----------	-----	---------	-----	-----------	----------	--

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 or 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 damage 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

**Analytical Results For:**

 TRINITY OILFIELD SERVICES & RENTALS, LLC  
 P. O. BOX 2587  
 HOBBS NM, 88241

 Project: DORSTATE SWD  
 Project Number: NONE GIVEN  
 Project Manager: BEN ARGUIJO  
 Fax To: NONE

 Reported:  
 11-Apr-18 15:38

**SP-28 @ 1'**  
**H800935-36 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

**Cardinal Laboratories**
**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	8040506	MS	06-Apr-18	8021B	
Toluene*	<0.050		0.050	mg/kg	50	8040506	MS	06-Apr-18	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	8040506	MS	06-Apr-18	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	8040506	MS	06-Apr-18	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	8040506	MS	06-Apr-18	8021B	
<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			<i>110 %</i>	<i>72-148</i>		<i>8040506</i>	<i>MS</i>	<i>06-Apr-18</i>	<i>8021B</i>	

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	8040902	MS	10-Apr-18	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	8040902	MS	10-Apr-18	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	8040902	MS	10-Apr-18	8015B	
<i>Surrogate: 1-Chlorooctane</i>			<i>93.0 %</i>	<i>41-142</i>		<i>8040902</i>	<i>MS</i>	<i>10-Apr-18</i>	<i>8015B</i>	
<i>Surrogate: 1-Chlorooctadecane</i>			<i>89.6 %</i>	<i>37.6-147</i>		<i>8040902</i>	<i>MS</i>	<i>10-Apr-18</i>	<i>8015B</i>	

**Green Analytical Laboratories**
**Soluble (DI Water Extraction)**

Chloride	945		200	mg/kg wet	200	B804053	JDA	07-Apr-18	EPA300.0	
----------	-----	--	-----	-----------	-----	---------	-----	-----------	----------	--

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 or 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 damage 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

**Analytical Results For:**

 TRINITY OILFIELD SERVICES & RENTALS, LLC  
 P. O. BOX 2587  
 HOBBS NM, 88241

 Project: DORSTATE SWD  
 Project Number: NONE GIVEN  
 Project Manager: BEN ARGUIJO  
 Fax To: NONE

 Reported:  
 11-Apr-18 15:38

**Volatile Organic Compounds by EPA Method 8021 - Quality Control**
**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch 8040505 - Volatiles**
**Blank (8040505-BLK1)**

Prepared &amp; Analyzed: 05-Apr-18

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
<i>Surrogate: 4-Bromofluorobenzene (PID)</i>	<i>0.103</i>		<i>mg/kg</i>	<i>0.100</i>		<i>103</i>	<i>72-148</i>			

**LCS (8040505-BS1)**

Prepared &amp; Analyzed: 05-Apr-18

Benzene	2.14	0.050	mg/kg	2.00		107	79.5-124			
Toluene	2.11	0.050	mg/kg	2.00		106	75.5-127			
Ethylbenzene	2.12	0.050	mg/kg	2.00		106	77.7-125			
Total Xylenes	6.59	0.150	mg/kg	6.00		110	70.9-124			
<i>Surrogate: 4-Bromofluorobenzene (PID)</i>	<i>0.101</i>		<i>mg/kg</i>	<i>0.100</i>		<i>101</i>	<i>72-148</i>			

**LCS Dup (8040505-BSD1)**

Prepared &amp; Analyzed: 05-Apr-18

Benzene	2.09	0.050	mg/kg	2.00		105	79.5-124	2.15	6.5	
Toluene	2.08	0.050	mg/kg	2.00		104	75.5-127	1.45	7.02	
Ethylbenzene	2.09	0.050	mg/kg	2.00		104	77.7-125	1.57	7.83	
Total Xylenes	6.48	0.150	mg/kg	6.00		108	70.9-124	1.75	7.78	
<i>Surrogate: 4-Bromofluorobenzene (PID)</i>	<i>0.103</i>		<i>mg/kg</i>	<i>0.100</i>		<i>103</i>	<i>72-148</i>			

**Batch 8040506 - Volatiles**
**Blank (8040506-BLK1)**

Prepared &amp; Analyzed: 05-Apr-18

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
<i>Surrogate: 4-Bromofluorobenzene (PID)</i>	<i>0.107</i>		<i>mg/kg</i>	<i>0.100</i>		<i>107</i>	<i>72-148</i>			

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 or 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 damage 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

**Analytical Results For:**

 TRINITY OILFIELD SERVICES & RENTALS, LLC  
 P. O. BOX 2587  
 HOBBS NM, 88241

 Project: DORSTATE SWD  
 Project Number: NONE GIVEN  
 Project Manager: BEN ARGUIJO  
 Fax To: NONE

 Reported:  
 11-Apr-18 15:38

**Volatile Organic Compounds by EPA Method 8021 - Quality Control**
**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch 8040506 - Volatiles**
**LCS (8040506-BS1)**

Prepared &amp; Analyzed: 05-Apr-18

Benzene	1.79	0.050	mg/kg	2.00		89.5	79.5-124			
Toluene	1.87	0.050	mg/kg	2.00		93.4	75.5-127			
Ethylbenzene	1.87	0.050	mg/kg	2.00		93.7	77.7-125			
Total Xylenes	5.58	0.150	mg/kg	6.00		93.0	70.9-124			
<i>Surrogate: 4-Bromofluorobenzene (PID)</i>	<i>0.107</i>		mg/kg	<i>0.100</i>		<i>107</i>	<i>72-148</i>			

**LCS Dup (8040506-BSD1)**

Prepared &amp; Analyzed: 05-Apr-18

Benzene	1.76	0.050	mg/kg	2.00		88.1	79.5-124	1.55	6.5	
Toluene	1.83	0.050	mg/kg	2.00		91.5	75.5-127	2.07	7.02	
Ethylbenzene	1.84	0.050	mg/kg	2.00		92.1	77.7-125	1.78	7.83	
Total Xylenes	5.48	0.150	mg/kg	6.00		91.3	70.9-124	1.83	7.78	
<i>Surrogate: 4-Bromofluorobenzene (PID)</i>	<i>0.108</i>		mg/kg	<i>0.100</i>		<i>108</i>	<i>72-148</i>			

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 or 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 damage 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

**Analytical Results For:**

 TRINITY OILFIELD SERVICES & RENTALS, LLC  
 P. O. BOX 2587  
 HOBBS NM, 88241

 Project: DORSTATE SWD  
 Project Number: NONE GIVEN  
 Project Manager: BEN ARGUIJO  
 Fax To: NONE

 Reported:  
 11-Apr-18 15:38

**Petroleum Hydrocarbons by GC FID - Quality Control**
**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch 8040603 - General Prep - Organics**
**Blank (8040603-BLK1)**

Prepared &amp; Analyzed: 06-Apr-18

GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C35	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Total TPH C6-C28	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	46.5		mg/kg	50.0		92.9	41-142			
Surrogate: 1-Chlorooctadecane	43.0		mg/kg	50.0		86.0	37.6-147			

**LCS (8040603-BS1)**

Prepared &amp; Analyzed: 06-Apr-18

GRO C6-C10	213	10.0	mg/kg	200		106	76.5-133			
DRO >C10-C28	214	10.0	mg/kg	200		107	72.9-138			
Total TPH C6-C28	427	10.0	mg/kg	400		107	78-132			
Surrogate: 1-Chlorooctane	47.1		mg/kg	50.0		94.2	41-142			
Surrogate: 1-Chlorooctadecane	46.2		mg/kg	50.0		92.4	37.6-147			

**LCS Dup (8040603-BSD1)**

Prepared &amp; Analyzed: 06-Apr-18

GRO C6-C10	218	10.0	mg/kg	200		109	76.5-133	2.47	20.6	
DRO >C10-C28	214	10.0	mg/kg	200		107	72.9-138	0.117	20.6	
Total TPH C6-C28	432	10.0	mg/kg	400		108	78-132	1.30	18	
Surrogate: 1-Chlorooctane	48.3		mg/kg	50.0		96.6	41-142			
Surrogate: 1-Chlorooctadecane	45.9		mg/kg	50.0		91.8	37.6-147			

**Batch 8040901 - General Prep - Organics**
**Blank (8040901-BLK1)**

Prepared: 09-Apr-18 Analyzed: 10-Apr-18

GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C35	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Total TPH C6-C28	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	47.3		mg/kg	50.0		94.6	41-142			
Surrogate: 1-Chlorooctadecane	46.6		mg/kg	50.0		93.1	37.6-147			

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 or 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 damage 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

**Analytical Results For:**

 TRINITY OILFIELD SERVICES & RENTALS, LLC  
 P. O. BOX 2587  
 HOBBS NM, 88241

 Project: DORSTATE SWD  
 Project Number: NONE GIVEN  
 Project Manager: BEN ARGUIJO  
 Fax To: NONE

 Reported:  
 11-Apr-18 15:38

**Petroleum Hydrocarbons by GC FID - Quality Control**  
**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch 8040901 - General Prep - Organics**
**LCS (8040901-BS1)**

Prepared: 09-Apr-18 Analyzed: 10-Apr-18

GRO C6-C10	216	10.0	mg/kg	200		108	76.5-133			
DRO >C10-C28	229	10.0	mg/kg	200		114	72.9-138			
Total TPH C6-C28	445	10.0	mg/kg	400		111	78-132			
Surrogate: 1-Chlorooctane	47.2		mg/kg	50.0		94.4	41-142			
Surrogate: 1-Chlorooctadecane	46.8		mg/kg	50.0		93.6	37.6-147			

**LCS Dup (8040901-BSD1)**

Prepared: 09-Apr-18 Analyzed: 10-Apr-18

GRO C6-C10	204	10.0	mg/kg	200		102	76.5-133	5.65	20.6	
DRO >C10-C28	206	10.0	mg/kg	200		103	72.9-138	10.2	20.6	
Total TPH C6-C28	411	10.0	mg/kg	400		103	78-132	7.98	18	
Surrogate: 1-Chlorooctane	48.1		mg/kg	50.0		96.2	41-142			
Surrogate: 1-Chlorooctadecane	46.9		mg/kg	50.0		93.7	37.6-147			

**Batch 8040902 - General Prep - Organics**
**Blank (8040902-BLK1)**

Prepared: 09-Apr-18 Analyzed: 10-Apr-18

GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C35	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Total TPH C6-C28	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	46.0		mg/kg	50.0		92.0	41-142			
Surrogate: 1-Chlorooctadecane	42.6		mg/kg	50.0		85.1	37.6-147			

**LCS (8040902-BS1)**

Prepared: 09-Apr-18 Analyzed: 10-Apr-18

GRO C6-C10	211	10.0	mg/kg	200		106	76.5-133			
DRO >C10-C28	178	10.0	mg/kg	200		89.1	72.9-138			
Total TPH C6-C28	389	10.0	mg/kg	400		97.4	78-132			
Surrogate: 1-Chlorooctane	47.6		mg/kg	50.0		95.1	41-142			
Surrogate: 1-Chlorooctadecane	49.4		mg/kg	50.0		98.8	37.6-147			

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 or 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 damage 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

**Analytical Results For:**

 TRINITY OILFIELD SERVICES & RENTALS, LLC  
 P. O. BOX 2587  
 HOBBS NM, 88241

 Project: DORSTATE SWD  
 Project Number: NONE GIVEN  
 Project Manager: BEN ARGUIJO  
 Fax To: NONE

 Reported:  
 11-Apr-18 15:38

**Petroleum Hydrocarbons by GC FID - Quality Control**
**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch 8040902 - General Prep - Organics**
**LCS Dup (8040902-BSD1)**

Prepared: 09-Apr-18 Analyzed: 10-Apr-18

GRO C6-C10	222	10.0	mg/kg	200		111	76.5-133	4.74	20.6	
DRO >C10-C28	203	10.0	mg/kg	200		102	72.9-138	13.2	20.6	
Total TPH C6-C28	425	10.0	mg/kg	400		106	78-132	8.71	18	
<i>Surrogate: 1-Chlorooctane</i>	<i>47.1</i>		mg/kg	<i>50.0</i>		<i>94.2</i>	<i>41-142</i>			
<i>Surrogate: 1-Chlorooctadecane</i>	<i>49.8</i>		mg/kg	<i>50.0</i>		<i>99.7</i>	<i>37.6-147</i>			

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 or 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 damage 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

**Analytical Results For:**

 TRINITY OILFIELD SERVICES & RENTALS, LLC  
 P. O. BOX 2587  
 HOBBS NM, 88241

 Project: DORSTATE SWD  
 Project Number: NONE GIVEN  
 Project Manager: BEN ARGUIJO  
 Fax To: NONE

 Reported:  
 11-Apr-18 15:38

**Soluble (DI Water Extraction) - Quality Control**
**Green Analytical Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch B804052 - General Prep - Wet Chem**
**Blank (B804052-BLK1)**

Prepared &amp; Analyzed: 06-Apr-18

Chloride ND 10.0 mg/kg wet

**LCS (B804052-BS1)**

Prepared &amp; Analyzed: 06-Apr-18

Chloride 229 10.0 mg/kg wet 250 91.6 85-115

**LCS Dup (B804052-BSD1)**

Prepared &amp; Analyzed: 06-Apr-18

Chloride 229 10.0 mg/kg wet 250 91.5 85-115 0.170 20

**Batch B804053 - General Prep - Wet Chem**
**Blank (B804053-BLK1)**

Prepared &amp; Analyzed: 06-Apr-18

Chloride ND 10.0 mg/kg wet

**LCS (B804053-BS1)**

Prepared &amp; Analyzed: 06-Apr-18

Chloride 227 10.0 mg/kg wet 250 90.9 85-115

**LCS Dup (B804053-BSD1)**

Prepared &amp; Analyzed: 06-Apr-18

Chloride 228 10.0 mg/kg wet 250 91.4 85-115 0.597 20

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 or 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 damage 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

**Notes and Definitions**

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

---

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 or 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 damage 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



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

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

**BILL TO**

**ANALYSIS REQUEST**

Company Name: Trinity Oilfield Services & Rentals, LLC	P.O. #: Trinity
Project Manager: Ben J. Arguijo	Company: Trinity
Address: P.O. Box 2587	Attn:
City: Hobbs	Address:
State: NM Zip: 88241	City:
Phone #: (575)390-7208	State: Zip:
Fax #:	Phone #:
Project #: Project Owner: Cambrian	Fax #:
Project Name: Dorstate SWD	
Project Location: Eddy Co., NM	
Sampler Name: Tristan Payne	

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	TPH (8015M)	BTEX (8021B)	Chloride (300)
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					
H800935	1	G	1	X						3/29/18	1000	X	X	X
	2	G	1	X						3/29/18	1200	X	X	X
	3	G	1	X						3/29/18	1450	X	X	X
	4	G	1	X						3/29/18	1300	X	X	X
	5	G	1	X						3/29/18	1340	X	X	X
	6	G	1	X						4/2/18	1030	X	X	X
	7	G	1	X						4/2/18	1100	X	X	X
	8	G	1	X						4/2/18	1130	X	X	X
	9	G	1	X						4/2/18	1200	X	X	X
	10	G	1	X						4/2/18	1300	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 analysis. 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.

Reinquisitioned By: <i>[Signature]</i>	Date: 4/4/18	Received By: <i>[Signature]</i>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #: _____
Reinquisitioned By: <i>[Signature]</i>	Date: 4/4/18	Received By: <i>[Signature]</i>	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #: _____
Reinquisitioned By: <i>[Signature]</i>	Date: _____	Received By: _____	REMARKS:	
Delivered By: (Circle One) <b>UPS</b>	Time: _____	Sample Condition: <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Cool <input type="checkbox"/> Yes <input type="checkbox"/> No	CHECKED BY: <i>[Signature]</i>	
Sampler - UPS - Bus - Other: <b>5.22/5.15c</b>	Time: _____			



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

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

**BILL TO**

**ANALYSIS REQUEST**

Company Name: Trinity Oilfield Services & Rentals, LLC		P.O. #:	
Project Manager: Ben J. Argujio		Compan:	Trinity
Address: P.O. Box 2587		Attn:	
City: Hobbs		State: NIM	Zip: 88241
Phone #: (575)390-7208		Fax #:	
Project #:		Project Owner: Cambrian	
Project Name: Dorstate SWD		State:	Zip:
Project Location: Eddy Co., NM		City:	
Sampler Name: Tristan Payne		Phone #:	
FOR LAB USE ONLY		Fax #:	

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	TPH (8015M)	BTEX (8021B)	Chloride (300)	
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :						ACID/BASE:
11	SP-5 @ 3'	G	1	X							4/2/18	1315	X	X	X
12	SP-6 @ 1'	G	1	X							4/2/18	1430	X	X	X
13	SP-7 @ 1'	G	1	X							4/2/18	1450	X	X	X
14	SP-8 @ 1'	G	1	X							4/3/18	0900	X	X	X
15	SP-9 @ 1'	G	1	X							4/3/18	0910	X	X	X
16	SP-10 @ 1'	G	1	X							4/3/18	0915	X	X	X
17	SP-11 @ 1'	G	1	X							4/3/18	0920	X	X	X
18	SP-12 @ 1'	G	1	X							4/3/18	0930	X	X	X
19	SP-12 @ 3'	G	1	X							4/3/18	1010	X	X	X
20	SP-12 @ 5'	G	1	X							4/3/18	1020	X	X	X

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

Relinquished By: <i>[Signature]</i>	Date: 4-4-18	Received By: <i>[Signature]</i>	Date: 4-4-18
Time: 4:30pm		Time: 4:30pm	
Relinquished By: <i>[Signature]</i>	Date: #75	Received By: <i>[Signature]</i>	Date: 5.20/5.15.18
Time: #75		Time: 5.20/5.15.18	

Delivered By: (Circle One)	UPS	Bus	Other	5.20/5.15.18
Sample Condition	Cool	Intact	Yes	Yes
CHECKED BY: <i>[Signature]</i>	Initials			

Please e-mail results to [ben@trinityoilfieldservices.com](mailto:ben@trinityoilfieldservices.com) & [todd@trinityoilfieldservices.com](mailto:todd@trinityoilfieldservices.com)





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

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

**BILL TO**

**ANALYSIS REQUEST**

Company Name: Trinity Oilfield Services & Rentals, LLC		P.O. #:	
Project Manager: Ben J. Argujio		Company:	Trinity
Address: P.O. Box 2587		Attn:	
City: Hobbs		State: NIM	Zip: 88241
Phone #: (575)390-7208		Fax #:	
Project #:		Project Owner: Cambrian	
Project Name: Dorstate SWD		City:	
Project Location: Eddy Co., NM		State:	Zip:
Sampler Name: Tristan Payne		Phone #:	
FOR LAB USE ONLY		Fax #:	

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							DATE	TIME	TPH (8015M)	BTEX (8021B)	Chloride (300)
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:					
H800935	SP-23 @ 1'	G	1	X							4/3/18	1130	X	X	X
	SP-24 @ 1'	G	1	X							4/3/18	1135	X	X	X
	SP-25 @ 1'	G	1	X							4/3/18	1140	X	X	X
	SP-26 @ 1'	G	1	X							4/3/18	1150	X	X	X
	SP-27 @ 1'	G	1	X							4/3/18	1155	X	X	X
	SP-28 @ 1'	G	1	X							4/3/18	1200	X	X	X

PLEASE NOTE: Liability and Damages: Cardinal's liability and client's exclusive remedy for any claim arising under this 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.

Reinquished By: <i>[Signature]</i>	Date: 4/4/18	Received By: <i>[Signature]</i>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #: _____
Reinquished By: <i>[Signature]</i>	Date: 4/3/18	Received By: <i>[Signature]</i>	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #: _____
Delivered By: (Circle One) UPS - Bus - Other: <i>[Signature]</i>	Date: 5.22/5.15.18	Sample Condition: <input checked="" type="checkbox"/> Cool <input type="checkbox"/> Intact	REMARKS: _____	
		<input type="checkbox"/> Yes <input type="checkbox"/> No	Please e-mail results to <a href="mailto:ben@trinityoilfieldservices.com">ben@trinityoilfieldservices.com</a> & <a href="mailto:todd@trinityoilfieldservices.com">todd@trinityoilfieldservices.com</a>	

FORM-006  
 Revision 1.0  
 † Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476  
*Cardinal = OSC*



April 30, 2018

BEN ARGUIJO

TRINITY OILFIELD SERVICES & RENTALS, LLC

P. O. BOX 2587

HOBBS, NM 88241

RE: DORSTATE SWD

Enclosed are the results of analyses for samples received by the laboratory on 04/19/18 16:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-17-10. 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, flowing "C" and "K".

Celey D. Keene

Lab Director/Quality Manager

**Analytical Results For:**

 TRINITY OILFIELD SERVICES & RENTALS, LLC  
 BEN ARGUIJO  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received:	04/19/2018	Sampling Date:	04/09/2018
Reported:	04/30/2018	Sampling Type:	Soil
Project Name:	DORSTATE SWD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	PERMIAN WATER SOLUTIONS - EDDY CC		

**Sample ID: SP- 29 @ 1' (H801094-01)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>1310</b>	16.0	04/25/2018	ND	432	108	400	3.77	

**Sample ID: SP- 29 @ 8' (H801094-02)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>336</b>	16.0	04/25/2018	ND	432	108	400	3.77	

**Sample ID: SP- 30 @ 1' (H801094-03)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/23/2018	ND	2.00	100	2.00	0.705	
Toluene*	<0.050	0.050	04/23/2018	ND	2.04	102	2.00	1.64	
Ethylbenzene*	<0.050	0.050	04/23/2018	ND	2.07	104	2.00	1.34	
Total Xylenes*	<0.150	0.150	04/23/2018	ND	6.08	101	6.00	0.503	
Total BTEX	<0.300	0.300	04/23/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 72-148

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>1490</b>	16.0	04/25/2018	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier

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

**Analytical Results For:**

 TRINITY OILFIELD SERVICES & RENTALS, LLC  
 BEN ARGUIJO  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received:	04/19/2018	Sampling Date:	04/09/2018
Reported:	04/30/2018	Sampling Type:	Soil
Project Name:	DORSTATE SWD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	PERMIAN WATER SOLUTIONS - EDDY CC		

**Sample ID: SP- 30 @ 1' (H801094-03)**

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/23/2018	ND	213	107	200	0.870	
DRO >C10-C28*	<10.0	10.0	04/23/2018	ND	209	104	200	2.13	
EXT DRO >C28-C36	<10.0	10.0	04/23/2018	ND					
<i>Surrogate: 1-Chlorooctane</i>		<i>82.7 %</i>	<i>41-142</i>						
<i>Surrogate: 1-Chlorooctadecane</i>		<i>74.7 %</i>	<i>37.6-147</i>						

**Sample ID: SP- 30 @ 6' (H801094-04)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>336</b>	16.0	04/25/2018	ND	432	108	400	3.77	

**Sample ID: SP- 31 @ 1' (H801094-05)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>928</b>	16.0	04/25/2018	ND	432	108	400	3.77	

**Sample ID: SP- 31 @ 10' (H801094-06)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>944</b>	16.0	04/25/2018	ND	432	108	400	3.77	

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

**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 BEN ARGUIJO  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received:	04/19/2018	Sampling Date:	04/10/2018
Reported:	04/30/2018	Sampling Type:	Soil
Project Name:	DORSTATE SWD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	PERMIAN WATER SOLUTIONS - EDDY CC		

**Sample ID: SP- 32 @ 1' (H801094-07)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	912	16.0	04/25/2018	ND	432	108	400	3.77	

**Sample ID: SP- 32 @ 10' (H801094-08)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	04/25/2018	ND	432	108	400	3.77	

**Sample ID: SP- 33 @ 1' (H801094-09)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4240	16.0	04/25/2018	ND	432	108	400	3.77	

**Sample ID: SP- 33 @ 10' (H801094-10)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3800	16.0	04/25/2018	ND	432	108	400	3.77	

**Sample ID: SP- 34 @ 1' (H801094-11)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7100	16.0	04/25/2018	ND	432	108	400	3.77	QM-07

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

**Analytical Results For:**

 TRINITY OILFIELD SERVICES & RENTALS, LLC  
 BEN ARGUIJO  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received:	04/19/2018	Sampling Date:	04/10/2018
Reported:	04/30/2018	Sampling Type:	Soil
Project Name:	DORSTATE SWD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	PERMIAN WATER SOLUTIONS - EDDY CO		

**Sample ID: SP- 34 @ 10' (H801094-12)**
**Chloride, SM4500Cl-B**
**mg/kg**
**Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>1540</b>	16.0	04/25/2018	ND	432	108	400	3.77	

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

**Analytical Results For:**

 TRINITY OILFIELD SERVICES & RENTALS, LLC  
 BEN ARGUIJO  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received:	04/19/2018	Sampling Date:	04/10/2018
Reported:	04/30/2018	Sampling Type:	Soil
Project Name:	DORSTATE SWD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	PERMIAN WATER SOLUTIONS - EDDY CC		

**Sample ID: SP- 35 @ 1' (H801094-13)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/23/2018	ND	2.13	106	2.00	2.90	
Toluene*	<0.050	0.050	04/23/2018	ND	2.09	104	2.00	2.48	
Ethylbenzene*	<0.050	0.050	04/23/2018	ND	2.07	103	2.00	4.39	
Total Xylenes*	<0.150	0.150	04/23/2018	ND	6.32	105	6.00	4.60	
Total BTEX	<0.300	0.300	04/23/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.6 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>8200</b>	16.0	04/25/2018	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/23/2018	ND	213	107	200	0.870	
<b>DRO &gt;C10-C28*</b>	<b>97.7</b>	10.0	04/23/2018	ND	209	104	200	2.13	
<b>EXT DRO &gt;C28-C36</b>	<b>38.0</b>	10.0	04/23/2018	ND					

Surrogate: 1-Chlorooctane 85.7 % 41-142

Surrogate: 1-Chlorooctadecane 87.2 % 37.6-147

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

**Analytical Results For:**

 TRINITY OILFIELD SERVICES & RENTALS, LLC  
 BEN ARGUIJO  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received:	04/19/2018	Sampling Date:	04/10/2018
Reported:	04/30/2018	Sampling Type:	Soil
Project Name:	DORSTATE SWD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	PERMIAN WATER SOLUTIONS - EDDY CO		

**Sample ID: SP- 35 @ 10' (H801094-14)**
**Chloride, SM4500Cl-B**
**mg/kg**
**Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>4300</b>	16.0	04/25/2018	ND	432	108	400	3.77	

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

**Analytical Results For:**

 TRINITY OILFIELD SERVICES & RENTALS, LLC  
 BEN ARGUIJO  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received:	04/19/2018	Sampling Date:	04/11/2018
Reported:	04/30/2018	Sampling Type:	Soil
Project Name:	DORSTATE SWD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	PERMIAN WATER SOLUTIONS - EDDY CC		

**Sample ID: SP- 36 @ 1' (H801094-15)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/23/2018	ND	2.13	106	2.00	2.90	
<b>Toluene*</b>	<b>0.062</b>	0.050	04/23/2018	ND	2.09	104	2.00	2.48	
Ethylbenzene*	<0.050	0.050	04/23/2018	ND	2.07	103	2.00	4.39	
<b>Total Xylenes*</b>	<b>1.12</b>	0.150	04/23/2018	ND	6.32	105	6.00	4.60	
<b>Total BTEX</b>	<b>1.18</b>	0.300	04/23/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID) 139 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>12000</b>	16.0	04/25/2018	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>GRO C6-C10*</b>	<b>38.1</b>	10.0	04/23/2018	ND	213	107	200	0.870	
<b>DRO &gt;C10-C28*</b>	<b>1190</b>	10.0	04/23/2018	ND	209	104	200	2.13	
<b>EXT DRO &gt;C28-C36</b>	<b>216</b>	10.0	04/23/2018	ND					

Surrogate: 1-Chlorooctane 88.3 % 41-142

Surrogate: 1-Chlorooctadecane 104 % 37.6-147

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

**Analytical Results For:**

 TRINITY OILFIELD SERVICES & RENTALS, LLC  
 BEN ARGUIJO  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received:	04/19/2018	Sampling Date:	04/11/2018
Reported:	04/30/2018	Sampling Type:	Soil
Project Name:	DORSTATE SWD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	PERMIAN WATER SOLUTIONS - EDDY CC		

**Sample ID: SP- 36 @ 10' (H801094-16)**

BTEX 8021B		mg/kg		Analyzed By: MS				I-02		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/27/2018	ND	2.00	100	2.00	1.95	QM-07	
Toluene*	<0.050	0.050	04/27/2018	ND	1.98	98.8	2.00	2.40		
Ethylbenzene*	<0.050	0.050	04/27/2018	ND	1.93	96.3	2.00	1.74		
Total Xylenes*	<0.150	0.150	04/27/2018	ND	5.91	98.6	6.00	1.54		
Total BTEX	<0.300	0.300	04/27/2018	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.0 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>2320</b>	16.0	04/25/2018	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS				I-03		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	04/27/2018	ND	208	104	200	0.405		
<b>DRO &gt;C10-C28*</b>	<b>19.2</b>	10.0	04/27/2018	ND	204	102	200	0.173		
EXT DRO >C28-C36	<10.0	10.0	04/27/2018	ND						

Surrogate: 1-Chlorooctane 88.7 % 41-142

Surrogate: 1-Chlorooctadecane 76.1 % 37.6-147

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

**Analytical Results For:**

 TRINITY OILFIELD SERVICES & RENTALS, LLC  
 BEN ARGUIJO  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received:	04/19/2018	Sampling Date:	04/11/2018
Reported:	04/30/2018	Sampling Type:	Soil
Project Name:	DORSTATE SWD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	PERMIAN WATER SOLUTIONS - EDDY CO		

**Sample ID: SP- 37 @ 1' (H801094-17)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>5440</b>	16.0	04/25/2018	ND	432	108	400	3.77	

**Sample ID: SP- 37 @ 10' (H801094-18)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>4560</b>	16.0	04/25/2018	ND	432	108	400	3.77	

**Sample ID: SP- 38 @ 1' (H801094-19)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>8800</b>	16.0	04/25/2018	ND	432	108	400	3.77	

**Sample ID: SP- 38 @ 10' (H801094-20)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>1650</b>	16.0	04/25/2018	ND	432	108	400	3.77	

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

**Analytical Results For:**

 TRINITY OILFIELD SERVICES & RENTALS, LLC  
 BEN ARGUIJO  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received:	04/19/2018	Sampling Date:	04/11/2018
Reported:	04/30/2018	Sampling Type:	Soil
Project Name:	DORSTATE SWD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	PERMIAN WATER SOLUTIONS - EDDY CC		

**Sample ID: SP- 39 @ 4' (H801094-21)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/23/2018	ND	2.13	106	2.00	2.90	
Toluene*	<0.050	0.050	04/23/2018	ND	2.09	104	2.00	2.48	
Ethylbenzene*	<0.050	0.050	04/23/2018	ND	2.07	103	2.00	4.39	
Total Xylenes*	<0.150	0.150	04/23/2018	ND	6.32	105	6.00	4.60	
Total BTEX	<0.300	0.300	04/23/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.9 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	15600	16.0	04/25/2018	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/23/2018	ND	213	107	200	0.870	
DRO >C10-C28*	<10.0	10.0	04/23/2018	ND	209	104	200	2.13	
EXT DRO >C28-C36	<10.0	10.0	04/23/2018	ND					

Surrogate: 1-Chlorooctane 87.6 % 41-142

Surrogate: 1-Chlorooctadecane 82.9 % 37.6-147

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

**Analytical Results For:**

 TRINITY OILFIELD SERVICES & RENTALS, LLC  
 BEN ARGUIJO  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received:	04/19/2018	Sampling Date:	04/11/2018
Reported:	04/30/2018	Sampling Type:	Soil
Project Name:	DORSTATE SWD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	PERMIAN WATER SOLUTIONS - EDDY CC		

**Sample ID: SP- 39 @ 10' (H801094-22)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7000	16.0	04/25/2018	ND	432	108	400	3.77	

**Sample ID: SP- 40 @ 1' (H801094-23)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2160	16.0	04/25/2018	ND	432	108	400	3.77	

**Sample ID: SP- 40 @ 10' (H801094-24)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	960	16.0	04/25/2018	ND	432	108	400	3.77	

**Sample ID: SP- 41 @ 1' (H801094-25)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1600	16.0	04/25/2018	ND	432	108	400	3.77	

**Sample ID: SP- 41 @ 5' (H801094-26)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	04/25/2018	ND	432	108	400	3.77	

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

**Analytical Results For:**

 TRINITY OILFIELD SERVICES & RENTALS, LLC  
 BEN ARGUIJO  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received:	04/19/2018	Sampling Date:	04/12/2018
Reported:	04/30/2018	Sampling Type:	Soil
Project Name:	DORSTATE SWD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	PERMIAN WATER SOLUTIONS - EDDY CC		

**Sample ID: SP- 42 @ 1' (H801094-27)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/23/2018	ND	2.13	106	2.00	2.90	
Toluene*	<0.050	0.050	04/23/2018	ND	2.09	104	2.00	2.48	
Ethylbenzene*	<0.050	0.050	04/23/2018	ND	2.07	103	2.00	4.39	
Total Xylenes*	<0.150	0.150	04/23/2018	ND	6.32	105	6.00	4.60	
Total BTEX	<0.300	0.300	04/23/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.9 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>2600</b>	16.0	04/25/2018	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/23/2018	ND	213	107	200	0.870	
DRO >C10-C28*	<10.0	10.0	04/23/2018	ND	209	104	200	2.13	
EXT DRO >C28-C36	<10.0	10.0	04/23/2018	ND					

Surrogate: 1-Chlorooctane 86.9 % 41-142

Surrogate: 1-Chlorooctadecane 81.7 % 37.6-147

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

**Analytical Results For:**

 TRINITY OILFIELD SERVICES & RENTALS, LLC  
 BEN ARGUIJO  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received:	04/19/2018	Sampling Date:	04/12/2018
Reported:	04/30/2018	Sampling Type:	Soil
Project Name:	DORSTATE SWD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	PERMIAN WATER SOLUTIONS - EDDY CC		

**Sample ID: SP- 42 @ 6' (H801094-28)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	04/25/2018	ND	432	108	400	3.77	

**Sample ID: SP- 43 @ 1' (H801094-29)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2520	16.0	04/25/2018	ND	432	108	400	3.77	

**Sample ID: SP- 43 @ 10' (H801094-30)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3120	16.0	04/25/2018	ND	432	108	400	3.77	

**Sample ID: SP- 44 @ 1' (H801094-31)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2280	16.0	04/25/2018	ND	416	104	400	3.77	QM-07

**Sample ID: SP- 44 @ 7' (H801094-32)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	04/25/2018	ND	416	104	400	3.77	

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

**Analytical Results For:**

 TRINITY OILFIELD SERVICES & RENTALS, LLC  
 BEN ARGUIJO  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received:	04/19/2018	Sampling Date:	04/12/2018
Reported:	04/30/2018	Sampling Type:	Soil
Project Name:	DORSTATE SWD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	PERMIAN WATER SOLUTIONS - EDDY CC		

**Sample ID: SP- 45 @ 1' (H801094-33)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>864</b>	16.0	04/25/2018	ND	416	104	400	3.77	

**Sample ID: SP- 45 @ 3' (H801094-34)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>224</b>	16.0	04/25/2018	ND	416	104	400	3.77	

**Sample ID: SP- 46 @ 1' (H801094-35)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>160</b>	16.0	04/25/2018	ND	416	104	400	3.77	

**Sample ID: SP- 47 @ 1' (H801094-36)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>2160</b>	16.0	04/25/2018	ND	416	104	400	3.77	

**Sample ID: SP- 47 @ 10' (H801094-37)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>1090</b>	16.0	04/25/2018	ND	416	104	400	3.77	

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

**Analytical Results For:**

 TRINITY OILFIELD SERVICES & RENTALS, LLC  
 BEN ARGUIJO  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received:	04/19/2018	Sampling Date:	04/13/2018
Reported:	04/30/2018	Sampling Type:	Soil
Project Name:	DORSTATE SWD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	PERMIAN WATER SOLUTIONS - EDDY CC		

**Sample ID: SP- 48 @ 1' (H801094-38)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/23/2018	ND	2.13	106	2.00	2.90		
Toluene*	<0.050	0.050	04/23/2018	ND	2.09	104	2.00	2.48		
Ethylbenzene*	<0.050	0.050	04/23/2018	ND	2.07	103	2.00	4.39		
Total Xylenes*	<0.150	0.150	04/23/2018	ND	6.32	105	6.00	4.60		
Total BTEX	<0.300	0.300	04/23/2018	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>6320</b>	16.0	04/25/2018	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	04/23/2018	ND	213	107	200	0.870		
DRO >C10-C28*	<10.0	10.0	04/23/2018	ND	209	104	200	2.13		
EXT DRO >C28-C36	<10.0	10.0	04/23/2018	ND						

Surrogate: 1-Chlorooctane 84.5 % 41-142

Surrogate: 1-Chlorooctadecane 80.6 % 37.6-147

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

**Analytical Results For:**

 TRINITY OILFIELD SERVICES & RENTALS, LLC  
 BEN ARGUIJO  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received:	04/19/2018	Sampling Date:	04/13/2018
Reported:	04/30/2018	Sampling Type:	Soil
Project Name:	DORSTATE SWD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	PERMIAN WATER SOLUTIONS - EDDY CC		

**Sample ID: SP- 48 @ 10' (H801094-39)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>5200</b>	16.0	04/25/2018	ND	416	104	400	3.77	

**Sample ID: SP- 49 @ 1' (H801094-40)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>8000</b>	16.0	04/25/2018	ND	416	104	400	3.77	

**Sample ID: SP- 49 @ 10' (H801094-41)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>1200</b>	16.0	04/25/2018	ND	416	104	400	3.77	

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

**Analytical Results For:**

 TRINITY OILFIELD SERVICES & RENTALS, LLC  
 BEN ARGUIJO  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received:	04/19/2018	Sampling Date:	04/13/2018
Reported:	04/30/2018	Sampling Type:	Soil
Project Name:	DORSTATE SWD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	PERMIAN WATER SOLUTIONS - EDDY CC		

**Sample ID: SP- 50 @ 1' (H801094-42)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/23/2018	ND	2.13	106	2.00	2.90	
Toluene*	<0.050	0.050	04/23/2018	ND	2.09	104	2.00	2.48	
Ethylbenzene*	<0.050	0.050	04/23/2018	ND	2.07	103	2.00	4.39	
Total Xylenes*	<0.150	0.150	04/23/2018	ND	6.32	105	6.00	4.60	
Total BTEX	<0.300	0.300	04/23/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.9 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>7360</b>	16.0	04/25/2018	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/23/2018	ND	213	107	200	0.870	
<b>DRO &gt;C10-C28*</b>	<b>67.8</b>	10.0	04/23/2018	ND	209	104	200	2.13	
<b>EXT DRO &gt;C28-C36</b>	<b>58.0</b>	10.0	04/23/2018	ND					

Surrogate: 1-Chlorooctane 67.6 % 41-142

Surrogate: 1-Chlorooctadecane 64.5 % 37.6-147

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

**Analytical Results For:**

 TRINITY OILFIELD SERVICES & RENTALS, LLC  
 BEN ARGUIJO  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received:	04/19/2018	Sampling Date:	04/13/2018
Reported:	04/30/2018	Sampling Type:	Soil
Project Name:	DORSTATE SWD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	PERMIAN WATER SOLUTIONS - EDDY CC		

**Sample ID: SP- 50 @ 10' (H801094-43)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3160	16.0	04/25/2018	ND	416	104	400	3.77	

**Sample ID: SP- 51 @ 1' (H801094-44)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2000	16.0	04/25/2018	ND	416	104	400	3.77	

**Sample ID: SP- 51 @ 10' (H801094-45)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1020	16.0	04/25/2018	ND	416	104	400	3.77	

**Sample ID: SP- 52 @ 1' (H801094-46)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2640	16.0	04/25/2018	ND	416	104	400	3.77	

**Sample ID: SP- 52 @ 10' (H801094-47)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	528	16.0	04/25/2018	ND	416	104	400	3.77	

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

**Analytical Results For:**

 TRINITY OILFIELD SERVICES & RENTALS, LLC  
 BEN ARGUIJO  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received:	04/19/2018	Sampling Date:	04/13/2018
Reported:	04/30/2018	Sampling Type:	Soil
Project Name:	DORSTATE SWD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	PERMIAN WATER SOLUTIONS - EDDY CC		

**Sample ID: SP- 53 @ 1' (H801094-48)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/23/2018	ND	2.13	106	2.00	2.90	
Toluene*	<0.050	0.050	04/23/2018	ND	2.09	104	2.00	2.48	
Ethylbenzene*	<0.050	0.050	04/23/2018	ND	2.07	103	2.00	4.39	
Total Xylenes*	<0.150	0.150	04/23/2018	ND	6.32	105	6.00	4.60	
Total BTEX	<0.300	0.300	04/23/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.0 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>5280</b>	16.0	04/25/2018	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/23/2018	ND	213	107	200	0.870	
<b>DRO &gt;C10-C28*</b>	<b>13.8</b>	10.0	04/23/2018	ND	209	104	200	2.13	
EXT DRO >C28-C36	<10.0	10.0	04/23/2018	ND					

Surrogate: 1-Chlorooctane 84.3 % 41-142

Surrogate: 1-Chlorooctadecane 83.4 % 37.6-147

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

**Analytical Results For:**

 TRINITY OILFIELD SERVICES & RENTALS, LLC  
 BEN ARGUIJO  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received:	04/19/2018	Sampling Date:	04/13/2018
Reported:	04/30/2018	Sampling Type:	Soil
Project Name:	DORSTATE SWD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	PERMIAN WATER SOLUTIONS - EDDY CO		

**Sample ID: SP- 53 @ 10' (H801094-49)**
**Chloride, SM4500Cl-B**
**mg/kg**
**Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>784</b>	16.0	04/25/2018	ND	416	104	400	3.77	

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

**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.
- I-03 This result was extracted outside of the EPA recommended holding time of 14 days.
- I-02 This result was analyzed outside of the EPA recommended holding time.
- 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**  
 101 East Marland, Hobbs, NM 88240  
 (575) 393-2326 FAX (575) 393-2476

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

Company Name: Trinity Oilfield Services & Rentals, LLC		P.O. #: <b>BILL TO</b>		ANALYSIS REQUEST	
Project Manager: Ben J. Arguilo		Company: Trinity			
Address: P.O. Box 2587		Attn:			
City: Hobbs		Address:			
Phone #: (575)390-7208		State: NM Zip: 88241			
Project #: _____		City:			
Project Name: Dorstate SWD		State:			
Project Location: Eddy, NM		Phone #:			
Sampler Name: Tristan Payne		Fax #:			

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	TPH (8015M)	BTEX (8021B)	Chloride (300)
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					
1	SP-29 @ 1'	G	1	X						4/9/18	0930			
2	SP-29 @ 8'	G	1	X						4/9/18	1105	X		
3	SP-30 @ 1'	G	1	X						4/9/18	1120	X	X	
4	SP-30 @ 6'	G	1	X						4/9/18	1145	X	X	
5	SP-31 @ 1'	G	1	X						4/9/18	1300	X	X	
6	SP-31 @ 10'	G	1	X						4/10/18	1030	X	X	
7	SP-32 @ 1'	G	1	X						4/10/18	1115	X	X	
8	SP-32 @ 10'	G	1	X						4/10/18	1155	X	X	
9	SP-33 @ 1'	G	1	X						4/10/18	1300	X	X	
10	SP-33 @ 10'	G	1	X						4/10/18	1350	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 analysis. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: _____	Date: _____	Received By: <i>Tristan Payne</i>	Date: _____
Delivered By: (Circle One) <i>UPS</i>	Sample Condition: <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Cool	Checked By: <i>TP</i>	Initials: _____
Sampler - UPS - Bus - Other: <i>1102/1105</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

Please e-mail results to [ben@trinityoilfieldservices.com](mailto:ben@trinityoilfieldservices.com) & [todd@trinityoilfieldservices.com](mailto:todd@trinityoilfieldservices.com)



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

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

**ANALYSIS REQUEST**

**BILL TO**

Company Name: Trinity Oilfield Services & Rentals, LLC  
 Project Manager: Ben J. Argujio  
 Address: P.O. Box 2587  
 City: Hobbs State: NM Zip: 88241  
 Phone #: (575)390-7208 Fax #: \_\_\_\_\_  
 Project #: \_\_\_\_\_ Project Owner: Permian Water Solutions  
 Project Name: Dorstate SWD  
 Project Location: Eddy, NM  
 Sampler Name: Tristian Payne  
 P.O. #: \_\_\_\_\_ Company: Trinity  
 Attn: \_\_\_\_\_ Address: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Phone #: \_\_\_\_\_ Fax #: \_\_\_\_\_

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							DATE	TIME	TPH (8015M)	BTEX (8021B)	Chloride (300)
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:					
H801094															
11	SP-34 @ 1'	G	1	X							4/10/18	1400		X	
12	SP-34 @ 10'	G	1	X							4/10/18	1445		X	
13	SP-35 @ 1'	G	1	X							4/10/18	1450		X	
14	SP-35 @ 10'	G	1	X							4/10/18	1535		X	
15	SP-36 @ 1'	G	1	X							4/11/18	1015		X	
16	SP-36 @ 10'	G	1	X							4/11/18	1100		X	
17	SP-37 @ 1'	G	1	X							4/11/18	1105		X	
18	SP-37 @ 10'	G	1	X							4/11/18	1150		X	
19	SP-38 @ 1'	G	1	X							4/11/18	1350		X	
20	SP-38 @ 10'	G	1	X							4/11/18	1435		X	

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

Relinquished By: \_\_\_\_\_  
 Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Received By: *Todd Henderson*  
 Date: *4/19/18* Time: *4:30*  
 Sample Condition:  Intact  Cool  Yes  No  No  
 CHECKED BY: *[Signature]*  
 Phone Result:  Yes  No  Add'l Phone #:  
 Fax Result:  Yes  No  Add'l Fax #:  
 REMARKS: *\* Added as per Ben. 4/12/18 &*

Delivered By: (Circle One) *#75*  
 Sampler - UPS - Bus - Other: *1:10/1:05e*  
 Please e-mail results to ben@trinityoilfieldservices.com & todd@trinityoilfieldservices.com



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

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

Company Name: Trinity Oilfield Services & Rentals, LLC  
 Project Manager: Ben J. Argujio  
 Address: P.O. Box 2587  
 City: Hobbs State: NM Zip: 88241  
 Phone #: (575)390-7208 Fax #:  
 Project #: Project Owner: Permian Water Solutions  
 Project Name: Dorstate SMD  
 Project Location: Eddy, NM  
 Sampler Name: Tristan Payne

**BILL TO**  
 P.O. #: Trinity  
 Company: Trinity  
 Attn: Trinity  
 Address: Hobbs  
 City: Hobbs State: NM Zip: 88241  
 Phone #: Hobbs  
 Fax #:

Lab I.D.	Sample I.D.	(G)GRAB OR (C)OMP.	# CONTAINERS	MATRIX							DATE	TIME	TPH (8015M)	BTEX (8021B)	Chloride (300)
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:					
21	SP-39 @ 4'	G	1	X							4/11/18	1300	X	X	X
22	SP-39 @ 10'	G	1	X							4/11/18	1345	X	X	X
23	SP-40 @ 1'	G	1	X							4/11/18	1440	X	X	X
24	SP-40 @ 10'	G	1	X							4/11/18	1525	X	X	X
25	SP-41 @ 1'	G	1	X							4/12/18	1030	X	X	X
26	SP-41 @ 5'	G	1	X							4/12/18	1050	X	X	X
27	SP-42 @ 1'	G	1	X							4/12/18	1100	X	X	X
28	SP-42 @ 6'	G	1	X							4/12/18	1125	X	X	X
29	SP-43 @ 1'	G	1	X							4/12/18	1135	X	X	X
30	SP-43 @ 10'	G	1	X							4/12/18	1220	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 rendered by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: [Signature]  
 Date: 4/19/18 Time: 4:30  
 Received By: [Signature]  
 Date: 4/19/18 Time: 4:30  
 Delivered By: (Circle One) UPS  Bus  Other: 1:10 PM / 1:05 PM  
 Sample Condition:  Intact  Broken  
 Cool  Yes  No  
 Checked By: [Signature]

REMARKS:  
 Phone Result:  Yes  No  
 Fax Result:  Yes  No  
 Add'l Phone #:   
 Add'l Fax #:   
 Please e-mail results to ben@trinityoilfieldservices.com & todd@trinityoilfieldservices.com

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



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

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

Company Name: Trinity Oilfield Services & Rentals, LLC Project Manager: Ben J. Argujo Address: P.O. Box 2587 City: Hobbs State: NM Zip: 88241 Phone #: (575)390-7208 Fax #: Project #: Project Owner: Permian Water Solutions Project Name: Dorstate SWD Project Location: Eddy, NM Sampler Name: Tristan Payne		P.O. #: Company: Trinity Attn: Address: City: State: Zip: Phone #: Fax #:		<b>BILL TO</b>		<b>ANALYSIS REQUEST</b>															
FOR LAB USE ONLY Lab I.D. Sample I.D.		(G)RAB OR (C)OMP. # CONTAINERS		MATRIX GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER :		PRESERV DATE TIME		SAMPLING TPH (8015M) BTEX (8021B) Chloride (300)													
31	SP-44 @ 1'	G	1	X				4/12/18	1300	X											
32	SP-44 @ 7'	G	1	X				4/12/18	1330	X											
33	SP-45 @ 1'	G	1	X				4/12/18	1335	X											
34	SP-45 @ 3'	G	1	X				4/12/18	1345	X											
35	SP-46 @ 1'	G	1	X				4/12/18	1440	X											
36	SP-47 @ 1'	G	1	X				4/13/18	1000	X											
37	SP-47 @ 10'	G	1	X				4/13/18	1045	X											
38	SP-48 @ 1'	G	1	X				4/13/18	1050	X											
39	SP-48 @ 10'	G	1	X				4/13/18	1135	X											
40	SP-49 @ 1'	G	1	X				4/13/18	1140	X											

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

Relinquished By: *[Signature]* Date:   
 Received By: *[Signature]* Date:   
 Time:   
 Relinquished By: *[Signature]* Date:   
 Received By: *[Signature]* Date:   
 Time:   
 Delivered By: (Circle One) *UPS*   
 Sampler - UPS - Bus - Other: *1:10 / 1:05c*   
 Sample Condition:  Intact  Cool  Yes  No   
 CHECKED BY: *[Signature]* (Initials)   
 REMARKS:   
 Please e-mail results to ben@trinityoilfieldservices.com & todd@trinityoilfieldservices.com

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

