



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 (ft²) of gypsum pad and pasture. An initial C-141 (Release Notification and Corrective Action) was submitted to NMOCD on August 24th, 2017 for approval.

Basin personnel were on site beginning July 23rd, 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.

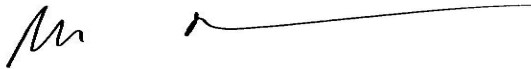
In the event the reserve pit area is encountered during remediation, the perimeter of the reserve pit will be identified, and it will have a new liner placed with 2' of clean, non-impacted topsoil placed and contoured for drainage.

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

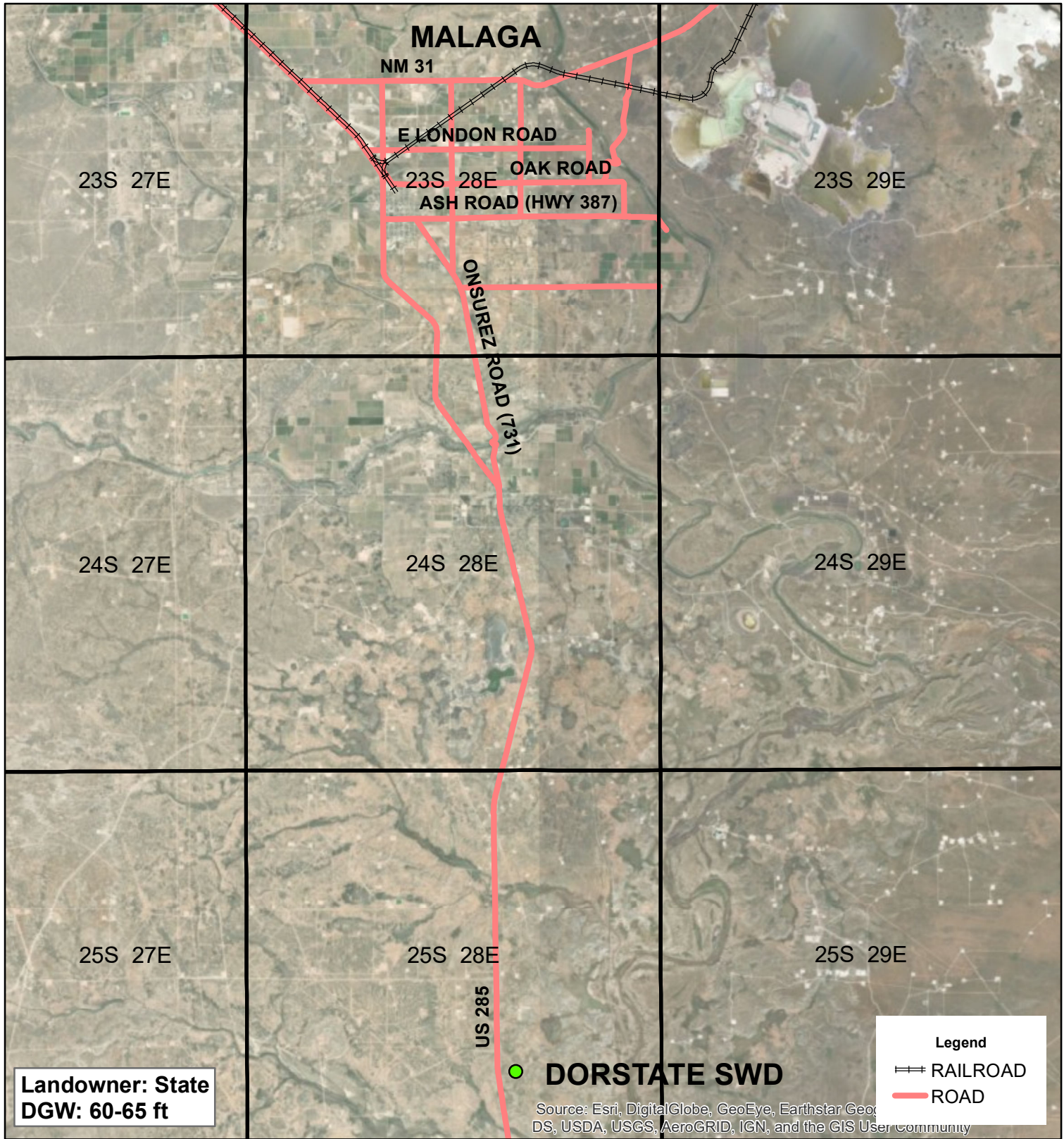
Figure 4 - Soil Chemistry Table

Appendix A – Photo Documentation

Appendix B – Initial C-141 Forms

Appendix C – Analytical Reports

Geographic Location



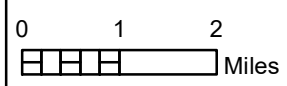
Landowner: State
DGW: 60-65 ft

DORSTATE SWD



CAMBRIAN
DORSTATE SWD
 2RP-4364
 UL H SECTION 27
 T-25-S R-28-E
 EDDY COUNTY, NM

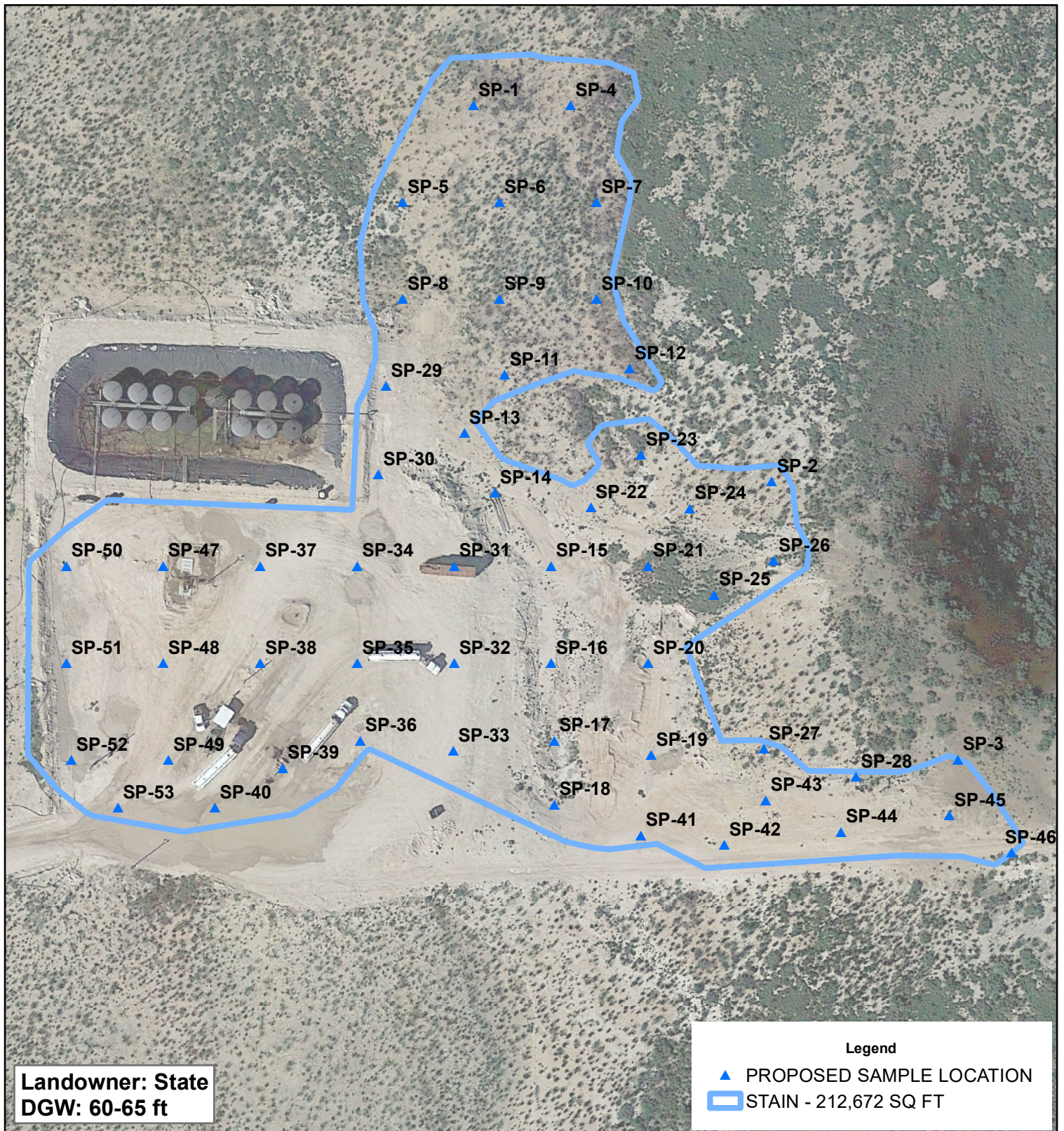
GPS: 32.102789 -104.068449



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



Initial Sampling



**CAMBRIAN
DORSTATE SWD**

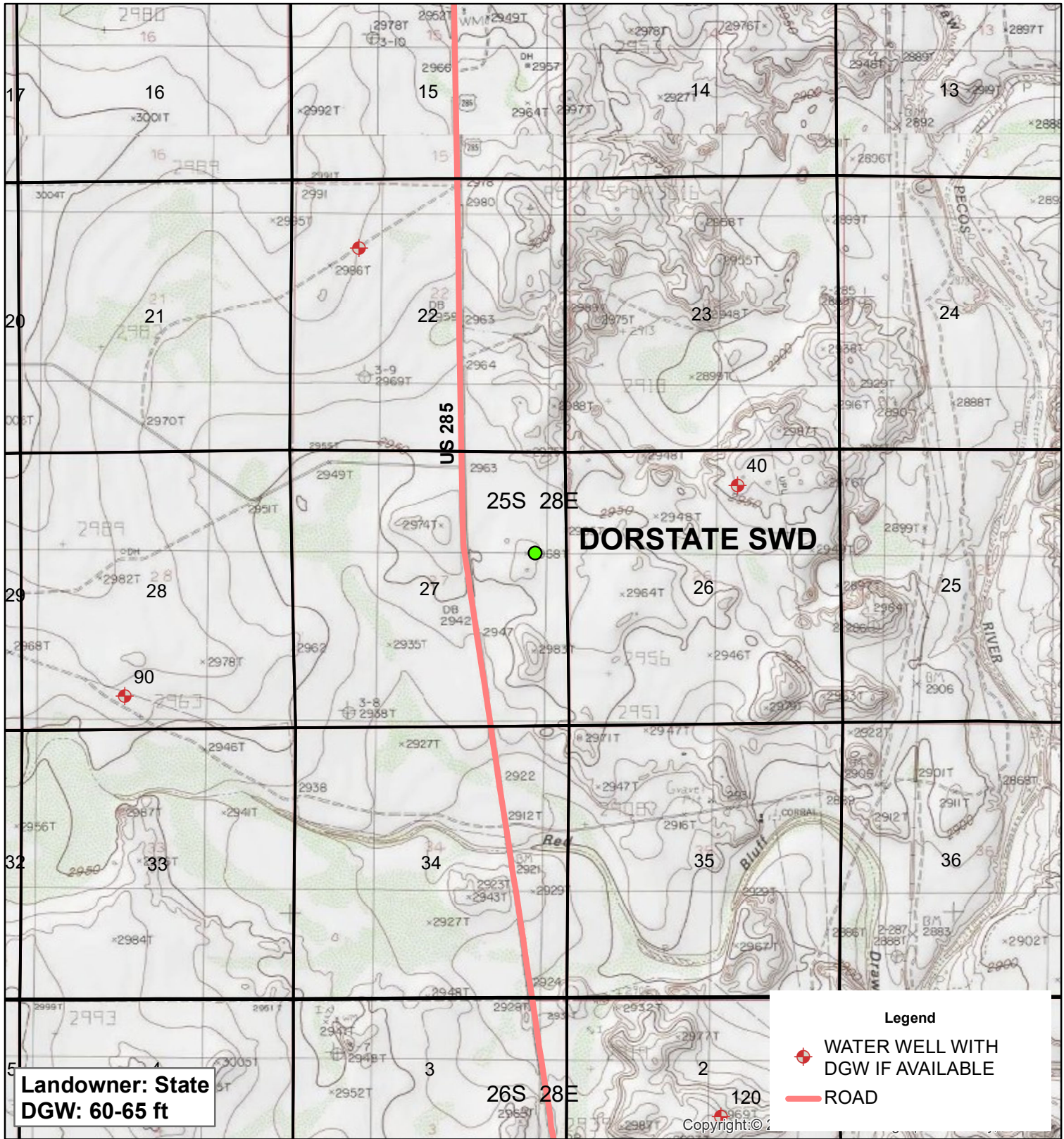
UL H SECTION 27
T-25-S R-28-E
EDDY COUNTY, NM

0 50 100
Feet

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



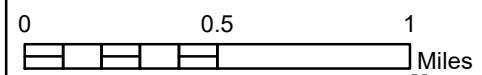
Depth to Groundwater



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 ₆ -C ₁₂ (mg/Kg)	DRO C ₁₂ -C ₂₈ (mg/Kg)	EXT DRO C ₂₈ -C ₃₅ (mg/Kg)	TPH C ₆ -C ₃₅ (mg/Kg)	CHLORIDE (mg/Kg)
NMOCD Recommended Remediation Action Levels (RRALs)				10	NE	NE	NE	50	NE	NE	NE	1,000	600
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	4,030
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	2,120
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	1,610
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	4,740
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	1,860
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	850
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	758
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	4,800
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	3,900
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	8,070
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	5,040
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	1,450
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	2,460
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	1,180
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	2,600

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 ₆ -C ₁₂ (mg/Kg)	DRO C ₁₂ -C ₂₈ (mg/Kg)	EXT DRO C ₂₈ -C ₃₅ (mg/Kg)	TPH C ₆ -C ₃₅ (mg/Kg)	CHLORIDE (mg/Kg)
NMOCD Recommended Remediation Action Levels (RRALs)				10	NE	NE	NE	50	NE	NE	NE	1,000	600
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	9,180
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	5,240
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	1,710
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	3,130
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	1,150
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	2,390
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	931
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	945
SP-29 @ 1'	1'	4/9/2018	In-Situ	-	-	-	-	-	-	-	-	-	1,310
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 ₆ -C ₁₂ (mg/Kg)	DRO C ₁₂ -C ₂₈ (mg/Kg)	EXT DRO C ₂₈ -C ₃₅ (mg/Kg)	TPH C ₆ -C ₃₅ (mg/Kg)	CHLORIDE (mg/Kg)
NMOCD Recommended Remediation Action Levels (RRALs)				10	NE	NE	NE	50	NE	NE	NE	1,000	600
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	1,490
SP-30 @ 6'	6'	4/9/2018	In-Situ	-	-	-	-	-	-	-	-	-	336
SP-31 @ 1'	1'	4/9/2018	In-Situ	-	-	-	-	-	-	-	-	-	928
SP-31 @ 10'	10'	4/10/2018	In-Situ	-	-	-	-	-	-	-	-	-	944
SP-32 @ 1'	1'	4/10/2018	In-Situ	-	-	-	-	-	-	-	-	-	912
SP-32 @ 10'	10'	4/10/2018	In-Situ	-	-	-	-	-	-	-	-	-	560
SP-33 @ 1'	1'	4/10/2018	In-Situ	-	-	-	-	-	-	-	-	-	4,240
SP-33 @ 10'	10'	4/10/2018	In-Situ	-	-	-	-	-	-	-	-	-	3,800
SP-34 @ 1'	1'	4/10/2018	In-Situ	-	-	-	-	-	-	-	-	-	7,100
SP-34 @ 10'	10'	4/10/2018	In-Situ	-	-	-	-	-	-	-	-	-	1,540
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	8,200
SP-35 @ 10'	10'	4/10/2018	In-Situ	-	-	-	-	-	-	-	-	-	4,300
SP-36 @ 1'	1'	4/11/2018	In-Situ	<0.050	0.062	<0.050	1.12	1.18	38.1	1,190	216	1,444	12,000
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	2,320
SP-37 @ 1'	1'	4/11/2018	In-Situ	-	-	-	-	-	-	-	-	-	5,440
SP-37 @ 10'	10'	4/11/2018	In-Situ	-	-	-	-	-	-	-	-	-	4,560
SP-38 @ 1'	1'	4/11/2018	In-Situ	-	-	-	-	-	-	-	-	-	8,800
SP-38 @ 10'	10'	4/11/2018	In-Situ	-	-	-	-	-	-	-	-	-	1,650
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	15,600
SP-39 @ 10'	10'	4/11/2018	In-Situ	-	-	-	-	-	-	-	-	-	7,000
SP-40 @ 1'	1'	4/11/2018	In-Situ	-	-	-	-	-	-	-	-	-	2,160
SP-40 @ 10'	10'	4/11/2018	In-Situ	-	-	-	-	-	-	-	-	-	960

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 ₆ -C ₁₂ (mg/Kg)	DRO C ₁₂ -C ₂₈ (mg/Kg)	EXT DRO C ₂₈ -C ₃₅ (mg/Kg)	TPH C ₆ -C ₃₅ (mg/Kg)	CHLORIDE (mg/Kg)
NMOCD Recommended Remediation Action Levels (RRALs)				10	NE	NE	NE	50	NE	NE	NE	1,000	600
SP-41 @ 1'	1'	4/12/2018	In-Situ	-	-	-	-	-	-	-	-	-	1,600
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	2,600
SP-42 @ 6'	6'	4/12/2018	In-Situ	-	-	-	-	-	-	-	-	-	384
SP-43 @ 1'	1'	4/12/2018	In-Situ	-	-	-	-	-	-	-	-	-	2,520
SP-43 @ 10'	10'	4/12/2018	In-Situ	-	-	-	-	-	-	-	-	-	3,120
SP-44 @ 1'	1'	4/12/2018	In-Situ	-	-	-	-	-	-	-	-	-	2,280
SP-44 @ 7'	7'	4/12/2018	In-Situ	-	-	-	-	-	-	-	-	-	304
SP-45 @ 1'	1'	4/12/2018	In-Situ	-	-	-	-	-	-	-	-	-	864
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	-	-	-	-	-	-	-	-	-	2,160
SP-47 @ 10'	10'	4/13/2018	In-Situ	-	-	-	-	-	-	-	-	-	1,090
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	6,320
SP-48 @ 10'	10'	4/13/2018	In-Situ	-	-	-	-	-	-	-	-	-	5,200
SP-49 @ 1'	1'	4/13/2018	In-Situ	-	-	-	-	-	-	-	-	-	8,000
SP-49 @ 10'	10'	4/13/2018	In-Situ	-	-	-	-	-	-	-	-	-	1,200
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	7,360
SP-50 @ 10'	10'	4/13/2018	In-Situ	-	-	-	-	-	-	-	-	-	3,160
SP-51 @ 1'	1'	4/13/2018	In-Situ	-	-	-	-	-	-	-	-	-	2,000
SP-51 @ 10'	10'	4/13/2018	In-Situ	-	-	-	-	-	-	-	-	-	1,020

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 ₆ -C ₁₂ (mg/Kg)	DRO C ₁₂ -C ₂₈ (mg/Kg)	EXT DRO C ₂₈ -C ₃₅ (mg/Kg)	TPH C ₆ -C ₃₅ (mg/Kg)	CHLORIDE (mg/Kg)
NMOCD Recommended Remediation Action Levels (RRALs)				10	NE	NE	NE	50	NE	NE	NE	1,000	600
SP-52 @ 1'	1'	4/13/2018	In-Situ	-	-	-	-	-	-	-	-	-	2,640
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	5,280
SP-53 @ 10'	10'	4/13/2018	In-Situ	-	-	-	-	-	-	-	-	-	784

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	Cambrian Management, Ltd.	Contact	Mike Anthony
Address	PO Box 272, Midland, TX 79702	Telephone No.	432-631-4398
Facility Name	Dockstate SWD	Facility Type	SWD

Surface Owner	Mineral Owner	API No.	30-015-23728
---------------	---------------	---------	--------------

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	Water, Produced Water	Volume of Release	25 bbls	Volume Recovered	0
Source of Release		Date and Hour of Occurrence		Date and Hour of Discovery	8-23-17
Was Immediate Notice Given?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	0:04 PM		
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 bumps 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 NMOC 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 NMOC 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, NMOC 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: Denise Jones		OIL CONSERVATION DIVISION	
Printed Name: Denise Jones		Signed By: [Signature] Approved by Environmental Specialist:	
Title: Regulatory Analyst	Approval Date: 8/29/17	Expiration Date: N/A	
E-mail Address: djones@cambrianmngmt.com	Conditions of Approval: See attached		Attached: [Signature] 4B6A
Date: 8-24-17	Phone: 432-620-9181		

* Attach Additional Sheets If Necessary



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

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.

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, 88241Project: DORSTATE SWD
Project Number: NONE GIVEN
Project Manager: BEN ARGUIJO
Fax To: NONEReported:
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	
Surrogate: 4-Bromofluorobenzene (PID)			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	
Surrogate: 1-Chlorooctane			80.6 %	41-142		8040603	MS	06-Apr-18	8015B	
Surrogate: 1-Chlorooctadecane			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	
Surrogate: 4-Bromofluorobenzene (PID)			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	
Surrogate: 1-Chlorooctane			82.4 %	41-142		8040603	MS	06-Apr-18	8015B	
Surrogate: 1-Chlorooctadecane			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	
Surrogate: 4-Bromofluorobenzene (PID)			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	
Surrogate: 1-Chlorooctane			82.8 %	41-142		8040603	MS	06-Apr-18	8015B	
Surrogate: 1-Chlorooctadecane			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	
DRO >C10-C28*	29.7		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	
Surrogate: 4-Bromofluorobenzene (PID)			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	
DRO >C10-C28*	37.0		10.0	mg/kg	1	8040901	MS	10-Apr-18	8015B	
EXT DRO >C28-C36	11.5		10.0	mg/kg	1	8040901	MS	10-Apr-18	8015B	
Surrogate: 1-Chlorooctane			96.4 %	41-142		8040901	MS	10-Apr-18	8015B	
Surrogate: 1-Chlorooctadecane			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	
Surrogate: 4-Bromofluorobenzene (PID)			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	
Surrogate: 1-Chlorooctane			93.8 %	41-142		8040901	MS	10-Apr-18	8015B	
Surrogate: 1-Chlorooctadecane			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	
Surrogate: 4-Bromofluorobenzene (PID)			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	
Surrogate: 1-Chlorooctane			87.5 %	41-142		8040902	MS	10-Apr-18	8015B	
Surrogate: 1-Chlorooctadecane			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	
Surrogate: 4-Bromofluorobenzene (PID)			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	
DRO >C10-C28*	35.7		10.0	mg/kg	1	8040902	MS	10-Apr-18	8015B	
EXT DRO >C28-C36	24.9		10.0	mg/kg	1	8040902	MS	10-Apr-18	8015B	
Surrogate: 1-Chlorooctane			91.9 %	41-142		8040902	MS	10-Apr-18	8015B	
Surrogate: 1-Chlorooctadecane			94.9 %	37.6-147		8040902	MS	10-Apr-18	8015B	

Green Analytical Laboratories

Soluble (DI Water Extraction)

Chloride	931		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	
Surrogate: 4-Bromofluorobenzene (PID)			110 %	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	
Surrogate: 1-Chlorooctane			93.0 %	41-142		8040902	MS	10-Apr-18	8015B	
Surrogate: 1-Chlorooctadecane			89.6 %	37.6-147		8040902	MS	10-Apr-18	8015B	

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 & 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							
Surrogate: 4-Bromofluorobenzene (PID)	0.103		mg/kg	0.100		103	72-148			

LCS (8040505-BS1)

Prepared & 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			
Surrogate: 4-Bromofluorobenzene (PID)	0.101		mg/kg	0.100		101	72-148			

LCS Dup (8040505-BSD1)

Prepared & 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	
Surrogate: 4-Bromofluorobenzene (PID)	0.103		mg/kg	0.100		103	72-148			

Batch 8040506 - Volatiles

Blank (8040506-BLK1)

Prepared & 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							
Surrogate: 4-Bromofluorobenzene (PID)	0.107		mg/kg	0.100		107	72-148			

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence 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 & 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			
Surrogate: 4-Bromofluorobenzene (PID)	0.107		mg/kg	0.100		107	72-148			

LCS Dup (8040506-BS1)

Prepared & 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	
Surrogate: 4-Bromofluorobenzene (PID)	0.108		mg/kg	0.100		108	72-148			

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence 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 & 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 & 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 & 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	
Surrogate: 1-Chlorooctane	47.1		mg/kg	50.0		94.2	41-142			
Surrogate: 1-Chlorooctadecane	49.8		mg/kg	50.0		99.7	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 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 & Analyzed: 06-Apr-18

Chloride	ND	10.0	mg/kg wet
----------	----	------	-----------

LCS (B804052-BS1)

Prepared & Analyzed: 06-Apr-18

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

LCS Dup (B804052-BSD1)

Prepared & 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 & Analyzed: 06-Apr-18

Chloride	ND	10.0	mg/kg wet
----------	----	------	-----------

LCS (B804053-BS1)

Prepared & Analyzed: 06-Apr-18

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

LCS Dup (B804053-BSD1)

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

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

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

FORM-006
Revision 1.0

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

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

FORM-006
Revision 1.0

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

101 East Marland, Hobbs, NM 88240

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

FORM-006
Revision 1.0

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

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.

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,



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		
Chloride	1310	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		
Chloride	336	16.0	04/25/2018	ND	432	108	400	3.77			

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

BTX 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 BTX	<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		
Chloride	1490	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 CO		

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					
Surrogate: 1-Chlorooctane	82.7 %	41-142							
Surrogate: 1-Chlorooctadecane	74.7 %	37.6-147							

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	
Chloride	336	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
Chloride	928	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
Chloride	944	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 CO		

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	912	16.0	04/25/2018	ND	432	108	400	3.77		

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	04/25/2018	ND	432	108	400	3.77	

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

Chloride, SM4500Cl-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, SM4500Cl-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, SM4500Cl-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
Chloride	1540	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 CO		

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
Chloride	8200	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*	97.7	10.0	04/23/2018	ND	209	104	200	2.13	
EXT DRO >C28-C36	38.0	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	
Chloride	4300	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 CO		

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	
Toluene*	0.062	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*	1.12	0.150	04/23/2018	ND	6.32	105	6.00	4.60	
Total BTEX	1.18	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
Chloride	12000	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*	38.1	10.0	04/23/2018	ND	213	107	200	0.870	
DRO >C10-C28*	1190	10.0	04/23/2018	ND	209	104	200	2.13	
EXT DRO >C28-C36	216	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 CO		

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
Chloride	2320	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	
DRO >C10-C28*	19.2	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, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5440	16.0	04/25/2018	ND	432	108	400	3.77		

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4560	16.0	04/25/2018	ND	432	108	400	3.77		

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	8800	16.0	04/25/2018	ND	432	108	400	3.77		

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1650	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 CO		

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 CO		

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

Chloride, SM4500Cl-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, SM4500Cl-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, SM4500Cl-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, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	368	16.0	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 CO		

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
Chloride	2600	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 CO		

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 CO		

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	864	16.0	04/25/2018	ND	416	104	400	3.77		

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	04/25/2018	ND	416	104	400	3.77	

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	04/25/2018	ND	416	104	400	3.77		

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

Chloride, SM4500Cl-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	416	104	400	3.77	

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1090	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 CO		

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
Chloride	6320	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 CO		

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5200	16.0	04/25/2018	ND	416	104	400	3.77		

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8000	16.0	04/25/2018	ND	416	104	400	3.77	

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1200	16.0	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 CO		

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	
Chloride	7360	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*	67.8	10.0	04/23/2018	ND	209	104	200	2.13	
EXT DRO >C28-C36	58.0	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 CO		

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

Chloride, SM4500Cl-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, SM4500Cl-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, SM4500Cl-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, SM4500Cl-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, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	528	16.0	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 CO		

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
Chloride	5280	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*	13.8	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
Chloride	784	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

*=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



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

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

Page 1 of 5

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Trinity Oilfield Services & Rentals, LLC										P.O. #:		BILL TO										ANALYSIS REQUEST									
Project Manager: Ben J. Arguilo										Compan		Trinity																			
Address: P.O. Box 2587										Attn:																					
City: Hobbs										Address																					
Phone #: (575)390-7208										City:																					
Project #:										State: Zip:																					
Project Name: Dorstate SWD										Phone #:																					
Project Location: Eddy, NM										Fax #:																					
Sampler Name: Tristan Payne										Matrix																					
FOR LAB USE ONLY										PRESERV																					
Lab I.D.										SAMPLING																					
Sample I.D.										DATE																					
H001094										TIME																					
1										SP-29 @ 1'																					
2										SP-29 @ 8'																					
3										SP-30 @ 1'																					
4										SP-30 @ 6'																					
5										SP-31 @ 1'																					
6										SP-31 @ 10'																					
7										SP-32 @ 1'																					
8										SP-32 @ 10'																					
9										SP-33 @ 1'																					
10										SP-33 @ 10'																					
11										SP-33 @ 10'																					
12										SP-33 @ 10'																					
13										SP-33 @ 10'																					
14										SP-33 @ 10'																					
15										SP-33 @ 10'																					
16										SP-33 @ 10'																					
17										SP-33 @ 10'																					
18										SP-33 @ 10'																					
19										SP-33 @ 10'																					
20										SP-33 @ 10'																					
21										SP-33 @ 10'																					
22										SP-33 @ 10'																					
23										SP-33 @ 10'																					
24										SP-33 @ 10'																					
25										SP-33 @ 10'																					
26										SP-33 @ 10'																					
27										SP-33 @ 10'																					
28										SP-33 @ 10'																					
29										SP-33 @ 10'																					
30										SP-33 @ 10'																					
31										SP-33 @ 10'																					
32										SP-33 @ 10'																					
33										SP-33 @ 10'																					
34										SP-33 @ 10'																					
35										SP-33 @ 10'																					
36										SP-33 @ 10'																					
37										SP-33 @ 10'																					
38										SP-33 @ 10'																					
39										SP-33 @ 10'																					
40										SP-33 @ 10'																					
41										SP-33 @ 10'																					
42										SP-33 @ 10'																					
43										SP-33 @ 10'																					
44										SP-33 @ 10'																					
45										SP-33 @ 10'																					
46										SP-33 @ 10'																					
47										SP-33 @ 10'																					
48										SP-33 @ 10'																					
49										SP-33 @ 10'																					
50										SP-33 @ 10'																					
51										SP-33 @ 10'																					
52										SP-33 @ 10'																					
53										SP-33 @ 10'																					
54										SP-33 @ 10'																					
55										SP-33 @ 10'																					
56										SP-33 @ 10'																					
57										SP-33 @ 10'																					
58										SP-33 @ 10'																					
59										SP-33 @ 10'																					
60										SP-33 @ 10'																					
61										SP-33 @ 10'																					
62										SP-33 @ 10'																					
63										SP-33 @ 10'																					
64										SP-33 @ 10'																					
65										SP-33 @ 10'																					
66										SP-33 @ 10'																					
67										SP-33 @ 10'																					
68										SP-33 @ 10'																					
69										SP-33 @ 10'																					
70										SP-33 @ 10'																					
71										SP-33 @ 10'																					
72										SP-33 @ 10'																					
73										SP-33 @ 10'																					
74										SP-33 @ 10'																					
75										SP-33																					



CARDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 2 of 5

BILL TO

ANALYSIS REQUEST

Company Name: Trinity Oilfield Services & Rentals, LLC

Project Manager: Ben J. Arguilo

Address: P.O. Box 2587

City: Hobbs

Phone #: (575)390-7208

Project #:

Project Name: Dorstate SWD

Project Location: Eddy, NM

Sampler Name: Tristian Payne

P.O. #:

Company: Trinity

Attn:

Address:

City:

State:

Phone #:

Fax #:

FOR LAB USE ONLY

Lab I.D.

Sample I.D.

H801094

(G)RAB OR (C)OMP.

CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER:

ACID/BASE:

ICE / COOL

OTHER:

DATE

TIME

TPH (8015M)

BTEX (8021B)

Chloride (300)

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

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

Relinquished By:

Date: 4/19/18

Received By:

Phone Result: ☐ Yes ☐ No ☐ Add'l Phone #:

Fax Result: ☐ Yes ☐ No ☐ Add'l Fax #:

REMARKS:

Relinquished By:

Date:

Received By:

Please e-mail results to ben@trinityoilfieldservices.com & todd@trinityoilfieldservices.com

Delivered By: (Circle One)

#75

Sample Condition

CHECKED BY: (initials)

* Added as per Ben. 4/12/18

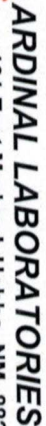
Sampler - UPS - Bus - Other:

1.12/1.052

Yes ☐ No ☐

Yes ☐ No ☐

* Added as per Ben. 4/12/18



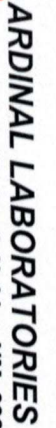
101 East Marland, Hobbs, NM 88240

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

Page 3 of 5

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Trinity Oilfield Services & Rentals, LLC										P.O. #:		BILL TO										ANALYSIS REQUEST									
Project Manager: Ben J. Arguilo										Compan:		Trinity																			
Address: P.O. Box 2587										Attn:																					
City: Hobbs										Address																					
Phone #: (575)390-7208										City:																					
Fax #: (575)390-7208										State: NM Zip: 88241																					
Project #:										Project Owner: Permian Water Solutions																					
Project Name: Dorstate SWD										State: Zip:																					
Project Location: Eddy, NM										Phone #:																					
Sampler Name: Tristan Payne										Fax #																					
FOR LAB USE ONLY										Matrix																					
Lab I.D.										Sample I.D.																					
H01004										(G)RAB OR (C)OMP.																					
21										SP-39 @ 4'																					
22										SP-39 @ 10'																					
23										SP-40 @ 1'																					
24										SP-40 @ 10'																					
25										SP-41 @ 1'																					
26										SP-41 @ 5'																					
27										SP-42 @ 1'																					
28										SP-42 @ 6'																					
29										SP-43 @ 1'																					
30										SP-43 @ 10'																					
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.										DATE																					
Relinquished By:										Received By:																					
Relinquished By:										Received By:																					
Delivered By: (Circle One) 15										Sample Condition																					
Sampler - UPS - Bus - Other: 1.10/1.05										Cool Intact																					
1.10/1.05										Yes No																					
Please e-mail results to ben@trinityoilfieldservices.com & todd@trinityoilfieldservices.com										Fax Result: Yes No																					
REMARKS:										Add'l Phone #: Add'l Fax #:																					



Page 4 of 5

ANALYSIS REQUEST

Please e-mail results to ben@trinityoilfieldservices.com & todd@trinityoilfieldservices.com



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

Page 5 of 5

Please e-mail results to ben@trinityoilfieldservices.com & todd@trinityoilfieldservices.com