

Trinity Oilfield Services & Rentals, LLC

Environmental Site Summary & Backfill Request



Company: Mewbourne Oil Company **Address:** P.O. Box 5270, Hobbs, NM 88241 **Telephone #:** (575)393-5905

Site Name: Merit 32 DM St. Com #1H **NMOCD Reference#:** 1RP-4724

Surface Owner: State of New Mexico **Mineral Owner:** State of New Mexico

Unit Letter: "D" (NW/NW) **Section:** 32 **Township:** 18S **Range:** 35E **County:** Lea **GPS Coordinates:** 32.7105675N -103.487175 W

Depth to Ground Water: 58' - 60' **Distance to Surface Water Body:** ☐ <200' ☐ 200' - 1,000' ☒ >1,000'

Wellhead Protection Area: <1,000' from Water Source or <200' from Domestic Water Source? ☐ Y ☒ N

NMOCD Ranking Score: 10 **Soil Remediation Levels (mg/kg):** Benzene: 10 BTEX: 50 TPH: ☐ 100 ☒ 1,000 ☐ 5,000 Chloride: ☐ 250 ☒ 500 ☐ 1,000

Date/Time of Release: 6/9/2017 **Type of Release:** Produced Water & Crude Oil **Approximate Volume of Release:** 130 bbls

Background Information:

On June 9, 2017, Mewbourne Oil Company (Mewbourne) discovered a release at the Merit 32 DM St. Com #1H (Merit 32) tank battery. Lightning struck the tank battery, resulting in a fire and the release of a total of approximately 130 barrels (bbls) of crude oil and produced water. During initial response activities, the well was shut-in, and all separation equipment was isolated from the transfer system. Vacuum trucks were utilized to recover approximately 10 bbls of crude oil and 120 bbls of produced water. Heavily impacted, visibly stained soil was scraped up and stockpiled on-site, pending final disposition.

The release impacted approximately 18,500 square feet (ft²) of the tank battery pad and commingled with an existing historical, non-reportable (i.e., <5 bbls) release. Overspray from the release impacted an area of the adjacent pastureland measuring approximately 2,000 ft².

The release was immediately reported to the New Mexico Oil Conservation Division's (NMOCD) Hobbs District Office. The NMOCD "Release Notification & Corrective Action" (Form C-141) is provided as Appendix A. General photographs of the release site are provided in Appendix B. A "Site Location Map" is provided as Figure 1.

Summary of Field Activities:

On June 15, 2017, one (1) hand-augered borehole (AH-1) was advanced at the site to investigate the vertical extent of impacted soil. The auger hole was located in the approximate center of the containment area of the former tank battery and was advanced to the hard rock layer running underneath the site (approximately 2 feet below ground surface). Representative soil samples were field-screened with a chloride test kit, and the results indicated additional vertical delineation was required.

On June 19, 2017, four (4) delineation trenches were advanced to further investigate the vertical extent of impacted soil in the containment area of the former tank battery. Trenches SP-4 and SP-5 were advanced at the western and eastern extents, respectively, of the containment area. Trench SP-6 was advanced along the flow path of the release. A delineation trench was also advanced in the area represented by auger hole AH-1. The trenches were advanced to the hard rock layer running underneath the site: approximately 2 feet below ground surface (bgs). Representative soil samples were field-screened with a chloride test kit, and confirmation samples were submitted to Cardinal Laboratories in Hobbs, New Mexico, for analysis of chloride, total petroleum hydrocarbons (TPH), and/or benzene, toluene, ethylbenzene, and total xylenes (BTEX) concentrations using Environmental Protection Agency (EPA) Methods 300, SW 846-8021b, and SW 846-8015M, respectively. Laboratory analytical results and field tests indicated vertical delineation was achieved in the eastern and western extents of the former containment area, but additional vertical delineation was required in the areas represented by auger hole AH-1 and Trench SP-6. However, further vertical advancement into the hard rock layer was deemed impracticable without specialized equipment.

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Summary of Field Activities (cont.):

On June 21, 2017, a mechanical auger was utilized to advance a borehole (AH-2) in the primary pooling area of the release. The auger hole was advanced to the extent practicable: approximately 5 feet bgs. Representative soil samples were field-screened with a chloride test kit, and a confirmation sample was submitted to the laboratory for analysis of chloride, TPH, and BTEX concentrations. Laboratory analytical results and field screens indicated vertical delineation of the pooling area had been achieved.

On June 27, 2017, a mechanical auger was utilized to advance borehole AH-1 to approximately 2.75 feet bgs. An additional borehole (AH-3) was advanced in the area represented by delineation trench SP-6 to a total depth of approximately 4 feet bgs. Representative soil samples were field-screened with a chloride test kit, and confirmation samples were submitted to the laboratory for analysis of chloride, TPH, and BTEX concentrations. Laboratory analytical results and field screens indicated vertical delineation of the release had been achieved.

Based on laboratory analytical results, and pursuant to the "Environmental Site Summary & Spill Remediation Proposal" (Work Plan) dated July 10, 2017, the excavation was advanced vertically to the hard rock layer running underneath the site, which is commonly encountered at approximately 2 feet bgs. Excavated soil was transferred to R360 (NMOCD Permit #NM-01-00061) for disposal.

On July 21, 2017, pursuant to NMOCD request, additional vertical delineation was conducted in the areas represented by auger holes AH-1 through AH-3 and sample locations SP-2 through SP-5. A mechanical auger was utilized to re-enter and advance existing boreholes AH-1 through AH-3 to depths ranging from 8 feet bgs (AH-1) to 10 feet bgs (AH-2). Boreholes were advanced in the areas represented by samples SP-2 through SP-5 to depths ranging from approximately 5 feet bgs (SP-2 and SP-3) to 7 feet bgs (SP-4 and SP-5). An additional borehole (AH-4) was advanced to approximately 7 feet bgs in the pooling area at the terminus of the flow path of the release. Representative soil samples were field-screened with a chloride test kit, and confirmation samples were submitted to the laboratory for analysis of chloride, TPH, and BTEX concentrations. Laboratory analytical results and field screens confirmed that vertical delineation of the release had been achieved.

On July 26, 2017, a series of delineation trenches were advanced at the site to determine the horizontal extent of impacted soil. The delineation trenches were spaced approximately 40 feet apart along the walls of the excavation and were advanced horizontally (to the extent practicable) in increments ranging from 1 foot to 20 feet, based on the results of concurrent chloride field tests (beginning with sample "Wall #Xa" collected from the existing sidewall and progressing through the alphabet with each subsequent field screen: i.e., Wall #Xb, Wall #Xc, etc.). The trenches were advanced vertically to the hard rock layer running underneath the site (approximately 2 feet bgs). Confirmation samples (Wall #1 through Wall #20) collected from the terminus of each delineation trench were submitted to the laboratory for analysis of chloride, TPH, and BTEX concentrations. Soil samples were also collected from the floor of the excavation and the overspray area to the south. Laboratory analytical results indicated horizontal delineation of the release had been achieved in most areas. However, additional delineation would be required in the areas represented by soil samples Wall #3, Wall #12, and Wall #20. Further delineation and/or excavation in the areas represented by soil samples Wall #11 and Wall #15 was precluded by the presence of a backfilled drilling pit (Wall #11) and a transfer pump and associated pipes, appurtenances, and electrical lines (Wall #15). Further delineation of the area represented by soil sample Wall #6 was deemed unnecessary, as the delineation trench would ultimately intersect the delineation trench for the area represented by Wall #5.

Based on field screens, the excavation sidewalls were advanced to the areas represented by soil samples Wall #4, Wall #5, Wall #7 through Wall #10, Wall #12, Wall #13, Wall #16, Wall #17, and Wall #19.

On August 11 and 14, 2017, based on laboratory analytical results, the excavation was advanced in the areas represented by soil samples Wall #3, Wall #12, and Wall #20, and confirmation soil samples were submitted to the laboratory for analysis of chloride, TPH, and/or BTEX concentrations. Laboratory analytical results indicated horizontal delineation in those areas had been achieved.

Locations of the soil samples, boreholes, and delineation trenches are depicted in Figure 2, "Sample Location Map". Laboratory analytical results are summarized in Table 1, and field screen results are provided in Table 2. Laboratory analytical reports are provided in Appendix C.

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Backfill Request:

Soil samples collected from the sidewalls of the excavation were analyzed by an NMOCD-approved laboratory, and concentrations of chloride, TPH, and BTEX were below the RRALs established for the site, with the exceptions of soil samples Wall #11 and Wall #15, as detailed above. Based on these analytical results, Mewbourne hereby requests permission from the NMOCD and NM State Land Office (NMSLO) to install a 20-mil liner and backfill the excavation with locally acquired, non-impacted material, as described in the Work Plan dated July 10, 2017. Following backfilling, a "Remediation Summary" will be submitted to the NMOCD and NMSLO.

Proposed Soil Boring/Monitor Well Locations:

N/A	N	N/A	W
	N		W
	N		W
	N		W
	N		W

Name/Description:

N/A

Enclosures:

Figure 1: Site Location Map

Figure 2: Site & Sample Location Map

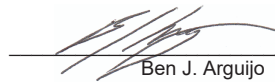
Table 1: Concentrations of Benzene, BTEX, TPH & Chloride in Soil

Table 2: Chloride Field Tests

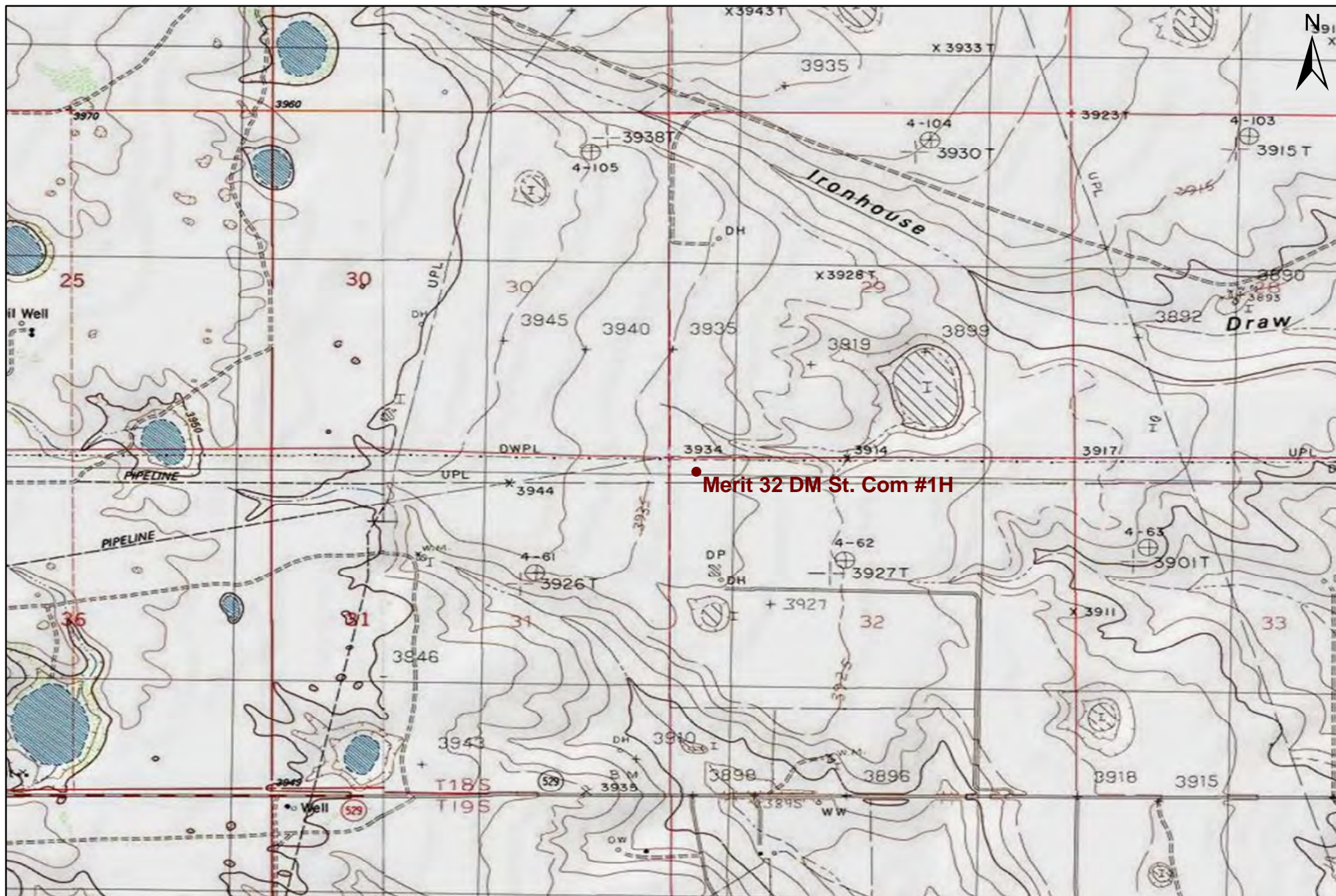
Appendix A: Release Notification & Corrective Action (Form C-141)

Appendix B: Photographs

Appendix C: Laboratory Analytical Results

 8/25/2017
Ben J. Arguijo
Project Manager

Figures



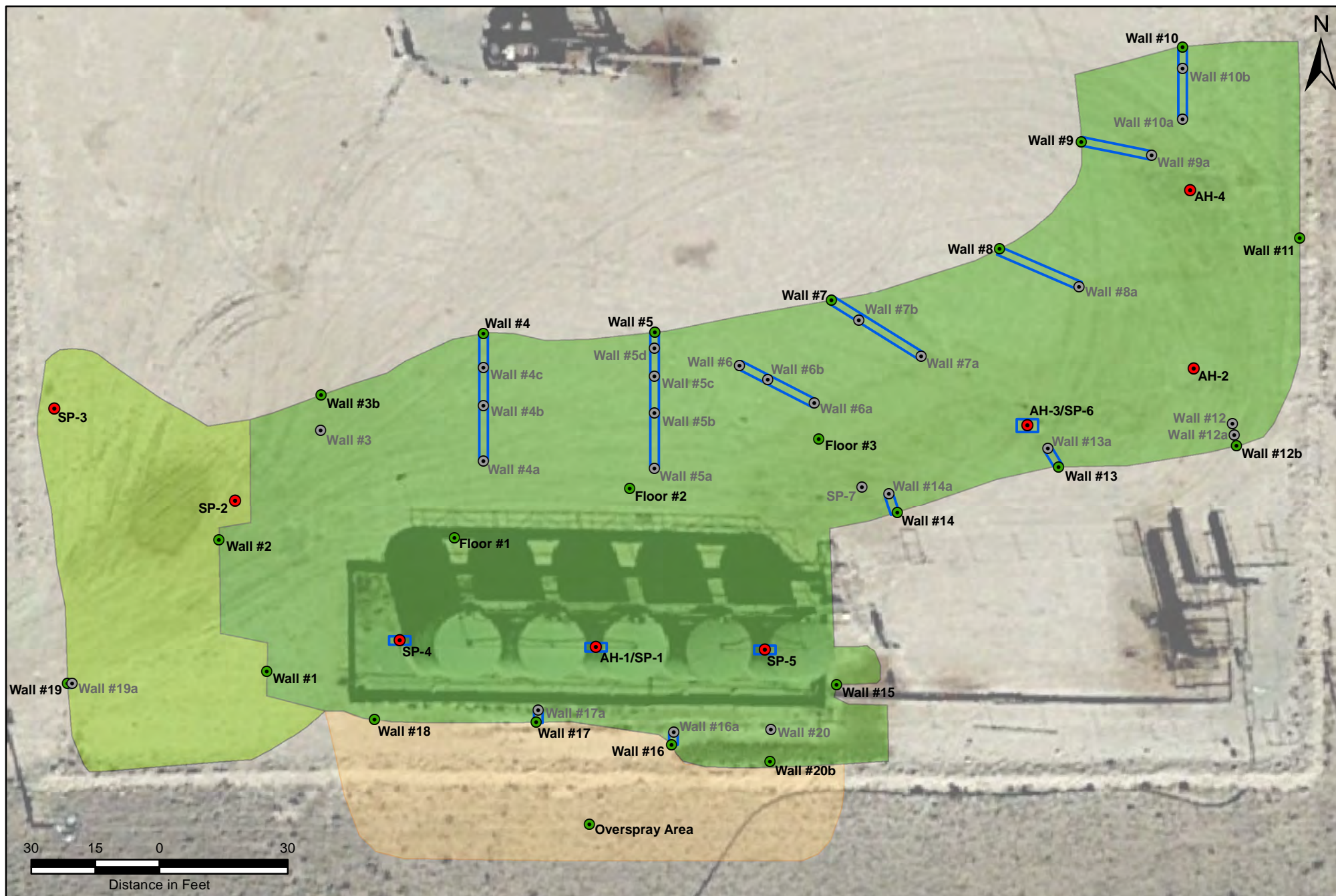
2,000 1,000 0 2,000
Distance in Feet

Figure 1
Site Location Map
Mewbourne Oil Company
Merit 32 DM St. Com #1H
Lea County, New Mexico
NMOCD Reference #: 1RP-4724



Trinity Oilfield Services & Rentals, LLC
P.O. Box 2587
Hobbs, NM 88241

Drawn By: BJA	Checked By: CTR
June 14, 2017	Scale: 1" = 2,000'



Legend

- | | |
|---|--|
| Excavation - 6" - 9" bgs | ● Auger Hole |
| Excavation - 2' bgs | ● Sample Location |
| Overspray | ● Excavated Sample |
| Delineation Trench | |

Figure 2
Sample Location Map
Mewbourne Oil Company
Merit 32 DM St. Com #1H
Lea County, New Mexico
NMOCD Reference #: 1RP-4724



Trinity Oilfield Services & Rentals, LLC
P.O. Box 2587
Hobbs, NM 88241

Drawn By: BJA	Checked By: CTR
August 25, 2017	Scale: 1" = 30'

Tables

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

MEWBOURNE OIL COMPANY
MERIT 32 DM ST. COM #1H
LEA COUNTY, NEW MEXICO
NMOCD REF. #: 1RP-4724



SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SOIL STATUS	METHOD: EPA SW 846-8021B, 5030					METHOD: 8015M				300.0
				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	500
SP-4 @ 2'	2'	6/19/2017	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	56.5
SP-5 @ 2'	2'	6/19/2017	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	155
AH-2 @ 5'	5'	6/21/2017	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	206
AH-1 @ 2.75'	2.75'	6/27/2017	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	12.0	14.6	26.6	137
AH-3 @ 4'	4'	6/27/2017	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	206
AH-1 @ 8'	8'	7/21/2017	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	27.1
AH-2 @ 10'	10'	7/21/2017	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	132
AH-3 @ 9'	9'	7/21/2017	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	109
AH-4 @ 2'	2'	7/21/2017	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	235
AH-4 @ 7'	7'	7/21/2017	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	70.9
SP-2 @ 5'	5'	7/21/2017	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	34.9
SP-3 @ 5'	5'	7/21/2017	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	50.5
SP-4 @ 7'	7'	7/21/2017	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0
SP-5 @ 7'	7'	7/21/2017	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	19.7
Wall #1	1'	7/26/2017	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	99.6
Wall #2	1'	7/26/2017	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	38.3	45.8	84.1	464
Wall #3	1'	7/26/2017	Excavated	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	557
Wall #4	1'	7/26/2017	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	199
Wall #5	1'	7/26/2017	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	192
Wall #6	1'	7/26/2017	Excavated	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	896
Wall #7	1'	7/26/2017	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	253
Wall #8	1'	7/26/2017	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	116
Wall #9	1'	7/26/2017	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	245
Wall #10	1'	7/26/2017	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	130
Wall #11	1'	7/26/2017	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	1,290
Wall #12	1'	7/26/2017	Excavated	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	612
Wall #13	1'	7/26/2017	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	70.4
Wall #14	1'	7/26/2017	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	166
Wall #15	1'	7/26/2017	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	75.7	64.9	141	10,700
Wall #16	1'	7/26/2017	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	104
Wall #17	1'	7/26/2017	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	27.1
Wall #18	1'	7/26/2017	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	14.7	11.3	26.0	31.7

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

MEWBOURNE OIL COMPANY
 MERIT 32 DM ST. COM #1H
 LEA COUNTY, NEW MEXICO
 NMOCD REF. #: 1RP-4724



SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SOIL STATUS	METHOD: EPA SW 846-8021B, 5030					METHOD: 8015M				300.0
				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	500
Wall #19	1'	7/26/2017	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	193
Wall #20	1'	7/26/2017	Excavated	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	918	253	1,171	187
Floor #1	2'	7/26/2017	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	15.3	15.3	41.9
Floor #2	2'	7/26/2017	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	6,480
Floor #3	2'	7/26/2017	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	55.2	21.0	76.2	4,660
Overspray Area	0.5'	7/26/2017	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	24.0
Wall #3b	1'	8/11/2017	In-Situ	-	-	-	-	-	-	-	-	-	144
Wall #20b	1'	8/11/2017	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	-
Wall #12b	1'	8/14/2017	In-Situ	-	-	-	-	-	-	-	-	-	305

NE = Not established

- = Not analyzed

Concentrations in BOLD exceed NMOCD RRALs

**TABLE 2
CHLORIDE FIELD TESTS**

**MEWBOURNE OIL COMPANY
MERIT 32 DM ST. COM #1H
LEA COUNTY, NEW MEXICO
NMOCD REF. #: 1RP-4724**



SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SOIL STATUS	HACH QUANTAB
				CHLORIDE (mg/Kg)
NMOCD Recommended Remediation Action Level (RRAL)				500
AH-1 @ 1'	1'	6/15/2017	Excavated	2,088
AH-1 @ 2'	2'	6/20/2017	In-Situ	2,728
AH-1 @ 2.75' *	2.75'	6/27/2017	In-Situ	140
AH-1 @ 8' *	8'	7/21/2017	In-Situ	<116
AH-2 @ 2'	2'	6/21/2017	In-Situ	3,272
AH-2 @ 3'	3'	6/21/2017	In-Situ	360
AH-2 @ 5' *	5'	6/21/2017	In-Situ	176
AH-2 @ 10' *	10'	7/21/2017	In-Situ	144
AH-3 @ 0.5'	0.5'	6/19/2017	Excavated	7,944
AH-3 @ 1'	1'	6/19/2017	Excavated	9,420
AH-3 @ 2'	2'	6/20/2017	In-Situ	5,312
AH-3 @ 4' *	4'	6/27/2017	In-Situ	280
AH-3 @ 9' *	9'	7/21/2017	In-Situ	144
AH-4 @ 2' *	2'	7/21/2017	In-Situ	176
AH-4 @ 5'	5'	7/21/2017	In-Situ	<116
AH-4 @ 7' *	7'	7/21/2017	In-Situ	<116
SP-2 @ 0.5'	0.5'	6/15/2017	In-Situ	180
SP-2 @ 5' *	5'	7/21/2017	In-Situ	<116
SP-3 @ 0.5'	0.5'	6/15/2017	In-Situ	380
SP-3 @ 5' *	5'	7/21/2017	In-Situ	144
SP-4 @ Surface	Surface	6/16/2017	Excavated	4,548
SP-4 @ 1'	1'	6/19/2017	Excavated	724
SP-4 @ 2' *	2'	6/19/2017	In-Situ	<116
SP-4 @ 7' *	7'	7/21/2017	In-Situ	<116
SP-5 @ Surface	Surface	6/16/2017	Excavated	6,788
SP-5 @ 1'	1'	6/19/2017	Excavated	724
SP-5 @ 2' *	2'	6/19/2017	In-Situ	208
SP-5 @ 7' *	7'	7/21/2017	In-Situ	<116
SP-7 @ 1'	1'	6/20/2017	Excavated	7,312
Wall #1*	1'	7/26/2017	In-Situ	144
Wall #2*	1'	7/26/2017	In-Situ	408
Wall #3*	1'	7/26/2017	Excavated	408
Wall #4a	1'	7/26/2017	Excavated	10,280
Wall #4b	1'	7/26/2017	Excavated	1,784
Wall #4c	1'	7/26/2017	Excavated	1,256
Wall #4*	1'	7/26/2017	In-Situ	336
Wall #5a	1'	7/26/2017	Excavated	3,272
Wall #5b	1'	7/26/2017	Excavated	2,388
Wall #5c	1'	7/26/2017	Excavated	1,256
Wall #5d	1'	7/26/2017	Excavated	696
Wall #5*	1'	7/26/2017	In-Situ	236

Concentrations in BOLD exceed the NMOCD RRAL

*Sample submitted to laboratory

TABLE 2
CHLORIDE FIELD TESTS

MEWBOURNE OIL COMPANY
MERIT 32 DM ST. COM #1H
LEA COUNTY, NEW MEXICO
NMOCD REF. #: 1RP-4724



SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SOIL STATUS	HACH QUANTAB
				CHLORIDE (mg/Kg)
NMOCD Recommended Remediation Action Level (RRAL)				500
Wall #6a	1'	7/26/2017	Excavated	13,460
Wall #6b	1'	7/26/2017	Excavated	544
Wall #6*	1'	7/26/2017	Excavated	592
Wall #7a	1'	7/26/2017	Excavated	8,676
Wall #7b	1'	7/26/2017	Excavated	592
Wall #7*	1'	7/26/2017	In-Situ	304
Wall #8a	1'	7/26/2017	Excavated	16,352
Wall #8*	1'	7/26/2017	In-Situ	236
Wall #9a	1'	7/26/2017	Excavated	22,748
Wall #9*	1'	7/26/2017	In-Situ	236
Wall #10a	1'	7/26/2017	Excavated	4,196
Wall #10b	1'	7/26/2017	Excavated	696
Wall #10*	1'	7/26/2017	In-Situ	304
Wall #11*	1'	7/26/2017	In-Situ	592
Wall #12*	1'	7/26/2017	Excavated	456
Wall #12a	1'	8/14/2017	Excavated	592
Wall #12b*	1'	8/14/2017	In-Situ	268
Wall #13a	1'	7/26/2017	Excavated	1,172
Wall #13*	1'	7/26/2017	In-Situ	180
Wall #14*	1'	7/26/2017	In-Situ	4,548
Wall #15*	1'	7/26/2017	In-Situ	13,460
Wall #16a	1'	7/26/2017	Excavated	812
Wall #16*	1'	7/26/2017	In-Situ	180
Wall #17a	1'	7/26/2017	Excavated	1,016
Wall #17*	1'	7/26/2017	In-Situ	304
Wall #18*	1'	7/26/2017	In-Situ	208
Wall #19a	1'	7/26/2017	Excavated	544
Wall #19*	1'	7/26/2017	In-Situ	336
Wall #20*	1'	7/26/2017	Excavated	268

Concentrations in BOLD exceed the NMOCD RRAL

*Sample submitted to laboratory

Appendices

Appendix A

Release Notification &

Corrective Action (Form C-141)

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

Form C-141
Revised August 8, 2011

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

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company: Mewbourne Oil Company	Contact: Zack Thomas	
Address: PO Box 5270 Hobbs NM 88241	Telephone No. 575-393-5905	
Facility Name: Merit 32 DM St. com #1H	Facility Type: Producing Oil Well	
Surface Owner: State	Mineral Owner:	API No. 30-025-40836

LOCATION OF RELEASE

Unit Letter D	Section 32	Township 18S	Range 35E	Feet from the 245'	North/South Line North	Feet from the 330'	East/West Line West	County Lea
------------------	---------------	-----------------	--------------	-----------------------	---------------------------	-----------------------	------------------------	---------------

Latitude 32.7105675 Longitude -103.487175

NATURE OF RELEASE

Type of Release: Oil/produced water	Volume of Release: estimated 130 bbls	Volume Recovered: 10 bbls oil/ 120 bbls pw
Source of Release: Tank Battery	Date and Hour of Occurrence 6-9-17 5:00 am	Date and Hour of Discovery 6-9-17 5:00 am
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Mark Whitaker; NMOCD	
By Whom? Zack Thomas	Date and Hour 6-9-17 12:40 pm	
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.*

Lightning struck tank battery causing fire. Well was shut-in and all separation equipment isolated. Monument and Hobbs Fire Departments were dispatched to put out fire.

Describe Area Affected and Cleanup Action Taken.*

Affected area- Pad surface Northwest of tank containment. Vacuum truck used to recover all standing fluid.

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

Signature: 	OIL CONSERVATION DIVISION	
Printed Name: Zack Thomas	Approved by Environmental Specialist: 	
Title: Environmental Rep.	Approval Date: 6/15/2017	Expiration Date:
E-mail Address: zthomas@mewbourne.com	Conditions of Approval: see attached directive	Attached <input checked="" type="checkbox"/>
Date: 6-12-17	Phone: 575-602-2188	

* Attach Additional Sheets If Necessary

1RP-4724

nOY1716634012

pOY1716634836

Appendix B

Photographs



Merit 32 DM St. Com #1H - Release (Looking East)



Merit 32 DM St. Com #1H - Release (Looking East)



Merit 32 DM St. Com #1H – Release (Looking South)



Merit 32 DM St. Com #1H – Release (Looking Southwest)



Merit 32 DM St. Com #1H – Release (Looking South)



Merit 32 DM St. Com #1H – Release (Looking South-Southwest)



Merit 32 DM St. Com #1H – Release (Looking Northwest)



Merit 32 DM St. Com #1H – Release (Looking West)



Merit 32 DM St. Com #1H – Release (Looking Northwest)



Merit 32 DM St. Com #1H – Release (Looking North)



Merit 32 DM St. Com #1H – Overspray Area (Looking Southwest)



Merit 32 DM St. Com #1H - Excavation (Looking East)



Merit 32 DM St. Com #1H – Excavation (Looking South)



Merit 32 DM St. Com #1H – Excavation (Looking West)



Merit 32 DM St. Com #1H – Excavation (Looking East)



Merit 32 DM St. Com #1H – Excavation (Looking East)



Merit 32 DM St. Com #1H – Excavation (Looking Southeast)



Merit 32 DM St. Com #1H – Excavation (Looking Southeast)



Merit 32 DM St. Com #1H – Excavation (Looking Southeast)



Merit 32 DM St. Com #1H – Excavation (Looking East-Southeast)



Merit 32 DM St. Com #1H – Excavation (Looking Southeast)

Appendix C

Laboratory Analytical Reports



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

July 05, 2017

BEN ARGUIJO

TRINITY OILFIELD SERVICES & RENTALS, LLC

P. O. BOX 2587

HOBBS, NM 88241

RE: MERIT 32 DM ST. COM #1H

Enclosed are the results of analyses for samples received by the laboratory on 06/20/17 16:25.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-17-9. 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, 88241Project: MERIT 32 DM ST. COM #1H
Project Number: DM ST. COM #1H
Project Manager: BEN ARGUIJO
Fax To: NONEReported:
05-Jul-17 10:00

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SP-4 @2'	H701600-01	Soil	19-Jun-17 12:10	20-Jun-17 16:25
SP-5 @2'	H701600-02	Soil	19-Jun-17 12:15	20-Jun-17 16:25

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Project: MERIT 32 DM ST. COM #1H
Project Number: DM ST. COM #1H
Project Manager: BEN ARGUIJO
Fax To: NONE

Reported:
05-Jul-17 10:00

SP-4 @2'
H701600-01 (Soil)

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

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	7062201	MS	22-Jun-17	8021B	
Toluene*	<0.050		0.050	mg/kg	50	7062201	MS	22-Jun-17	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	7062201	MS	22-Jun-17	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	7062201	MS	22-Jun-17	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	7062201	MS	22-Jun-17	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			107 %	72-148		7062201	MS	22-Jun-17	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10	<10.0		10.0	mg/kg	1	7062104	MS	03-Jul-17	8015B	
DRO >C10-C28	<10.0		10.0	mg/kg	1	7062104	MS	03-Jul-17	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	7062104	MS	03-Jul-17	8015B	
Surrogate: 1-Chlorooctane			101 %	28.3-164		7062104	MS	03-Jul-17	8015B	
Surrogate: 1-Chlorooctadecane			108 %	34.7-157		7062104	MS	03-Jul-17	8015B	

Green Analytical Laboratories

Soluble (DI Water Extraction)

Chloride	56.5		10.0	mg/kg wet	10	B706277	JDA	30-Jun-17	EPA300.0	
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Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Project: MERIT 32 DM ST. COM #1H
Project Number: DM ST. COM #1H
Project Manager: BEN ARGUIJO
Fax To: NONE

Reported:
05-Jul-17 10:00

SP-5 @2' H701600-02 (Soil)

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

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	7062201	MS	22-Jun-17	8021B	
Toluene*	<0.050		0.050	mg/kg	50	7062201	MS	22-Jun-17	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	7062201	MS	22-Jun-17	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	7062201	MS	22-Jun-17	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	7062201	MS	22-Jun-17	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			103 %	72-148		7062201	MS	22-Jun-17	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10	<10.0		10.0	mg/kg	1	7062104	MS	22-Jun-17	8015B	
DRO >C10-C28	<10.0		10.0	mg/kg	1	7062104	MS	22-Jun-17	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	7062104	MS	22-Jun-17	8015B	
Surrogate: 1-Chlorooctane			83.1 %	28.3-164		7062104	MS	22-Jun-17	8015B	
Surrogate: 1-Chlorooctadecane			72.6 %	34.7-157		7062104	MS	22-Jun-17	8015B	

Green Analytical Laboratories

Soluble (DI Water Extraction)

Chloride	155		10.0	mg/kg wet	10	B706277	JDA	30-Jun-17	EPA300.0	
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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Project: MERIT 32 DM ST. COM #1H
Project Number: DM ST. COM #1H
Project Manager: BEN ARGUIJO
Fax To: NONE

Reported:
05-Jul-17 10:00

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
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Batch 7062201 - Volatiles

Blank (7062201-BLK1)

Prepared & Analyzed: 22-Jun-17

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 BTX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	ND		mg/kg	0.0500		98.6	72-148			

LCS (7062201-BS1)

Prepared & Analyzed: 22-Jun-17

Benzene	2.17	0.050	mg/kg	2.00		109	79.5-124			
Toluene	2.00	0.050	mg/kg	2.00		99.8	75.5-127			
Ethylbenzene	2.03	0.050	mg/kg	2.00		101	77.7-125			
Total Xylenes	5.87	0.150	mg/kg	6.00		97.9	70.9-124			
Surrogate: 4-Bromofluorobenzene (PID)	0.0495		mg/kg	0.0500		98.9	72-148			

LCS Dup (7062201-BSD1)

Prepared & Analyzed: 22-Jun-17

Benzene	2.20	0.050	mg/kg	2.00		110	79.5-124	1.21	6.5	
Toluene	2.03	0.050	mg/kg	2.00		101	75.5-127	1.55	7.02	
Ethylbenzene	2.09	0.050	mg/kg	2.00		105	77.7-125	3.17	7.83	
Total Xylenes	6.06	0.150	mg/kg	6.00		101	70.9-124	3.22	7.78	
Surrogate: 4-Bromofluorobenzene (PID)	0.0498		mg/kg	0.0500		99.6	72-148			

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Project: MERIT 32 DM ST. COM #1H
Project Number: DM ST. COM #1H
Project Manager: BEN ARGUIJO
Fax To: NONE

Reported:
05-Jul-17 10:00

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
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Batch 7062104 - General Prep - Organics

Blank (7062104-BLK1)

Prepared & Analyzed: 21-Jun-17

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	45.2		mg/kg	50.0		90.4	28.3-164			
Surrogate: 1-Chlorooctadecane	40.0		mg/kg	50.0		80.1	34.7-157			

LCS (7062104-BS1)

Prepared & Analyzed: 21-Jun-17

GRO C6-C10	177	10.0	mg/kg	200		88.6	76.6-119			
DRO >C10-C28	182	10.0	mg/kg	200		90.9	81.4-124			
Total TPH C6-C28	359	10.0	mg/kg	400		89.8	79.4-121			
Surrogate: 1-Chlorooctane	48.8		mg/kg	50.0		97.6	28.3-164			
Surrogate: 1-Chlorooctadecane	43.6		mg/kg	50.0		87.1	34.7-157			

LCS Dup (7062104-BSD1)

Prepared & Analyzed: 21-Jun-17

GRO C6-C10	183	10.0	mg/kg	200		91.4	76.6-119	3.03	7.94	
DRO >C10-C28	186	10.0	mg/kg	200		92.9	81.4-124	2.24	9.83	
Total TPH C6-C28	369	10.0	mg/kg	400		92.1	79.4-121	2.63	8.57	
Surrogate: 1-Chlorooctane	50.7		mg/kg	50.0		101	28.3-164			
Surrogate: 1-Chlorooctadecane	42.0		mg/kg	50.0		84.0	34.7-157			

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Project: MERIT 32 DM ST. COM #1H
Project Number: DM ST. COM #1H
Project Manager: BEN ARGUIJO
Fax To: NONE

Reported:
05-Jul-17 10:00

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 B706277 - General Prep - Wet Chem										
Blank (B706277-BLK1)										
Prepared & Analyzed: 30-Jun-17										
Chloride	ND	1.00	mg/kg wet							
LCS (B706277-BS1)										
Prepared & Analyzed: 30-Jun-17										
Chloride	238	10.0	mg/kg wet	250		95.0	85-115			
LCS Dup (B706277-BSD1)										
Prepared & Analyzed: 30-Jun-17										
Chloride	239	10.0	mg/kg wet	250		95.4	85-115	0.433	20	

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**CARDINAL LABORATORIES**

101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 1 of 1

Company Name: Trinity Oilfield Services & Rentals, LLC				BILL TO				ANALYSIS REQUEST																													
Project Manager: Ben J. Arguijo				P.O. #:				<div style="display: flex; flex-direction: column; align-items: center;"> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> <div>Chloride (300)</div> </div>																													
Address: P.O. Box 2587				Company: Mewbourne Oil Co.																																	
City: Hobbs		State: NM Zip: 88241		Attn: Zack Thomas																																	
Phone #: (575)390-7208		Fax #:		Address: P.O. Box 5270																																	
Project #:		Project Owner: Mewbourne Oil Co.		City: Hobbs																																	
Project Name: Merit 32 DM St. Com #1H				State: NM Zip: 88241																																	
Project Location: Lea Co., NM				Phone #: (575)393-5905																																	
Sampler Name: Ben J. Arguijo				Fax #: (575) 397-6252																																	
FOR LAB USE ONLY				MATRIX		PRESERV		SAMPLING																													
Lab I.D.		Sample I.D.		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER		ACID/BASE		ICE / COOL		OTHER		DATE		TIME													
H701600 -																																					
1		SP-402'		G 1		X										X						6/19/12		1210		X X X											
2		SP-502'		K X		X										K						↓		1215		X X X											

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

Relinquished By:		Date: 6/20/12		Received By: Valerie Nunez		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
		Time: 1625				Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #:	
Relinquished By:		Date:		Received By:		REMARKS: Please e-mail results to zthomas@mewbourne.com & ben@trinityoilfieldservices.com	
		Time:					
Delivered By: (Circle One)				Sample Condition			
Sampler - UPS - Bus - Other: #75 5-90C				Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		(Initials) V.N.	



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

July 03, 2017

BEN ARGUIJO

TRINITY OILFIELD SERVICES & RENTALS, LLC

P. O. BOX 2587

HOBBS, NM 88241

RE: MERIT 32 DM ST. COM #1H

Enclosed are the results of analyses for samples received by the laboratory on 06/23/17 14:05.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-17-9. 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: MERIT 32 DM ST. COM #1H
Project Number: MEWBOURNE
Project Manager: BEN ARGUIJO
Fax To: NONE

Reported:
03-Jul-17 16:18

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
AH-2 @ 5'	H701652-01	Soil	21-Jun-17 10:30	23-Jun-17 14:05

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Project: MERIT 32 DM ST. COM #1H
Project Number: MEWBOURNE
Project Manager: BEN ARGUIJO
Fax To: NONE

Reported:
03-Jul-17 16:18

AH-2 @ 5' H701652-01 (Soil)

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

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	7062603	MS	27-Jun-17	8021B	
Toluene*	<0.050	0.050	mg/kg	50	7062603	MS	27-Jun-17	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	7062603	MS	27-Jun-17	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	7062603	MS	27-Jun-17	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	7062603	MS	27-Jun-17	8021B	
Surrogate: 4-Bromofluorobenzene (PID)		101 %		72-148	7062603	MS	27-Jun-17	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10	<10.0	10.0	mg/kg	1	7062604	MS	26-Jun-17	8015B	
DRO >C10-C28	<10.0	10.0	mg/kg	1	7062604	MS	26-Jun-17	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	7062604	MS	26-Jun-17	8015B	
Surrogate: 1-Chlorooctane		81.4 %		28.3-164	7062604	MS	26-Jun-17	8015B	
Surrogate: 1-Chlorooctadecane		82.4 %		34.7-157	7062604	MS	26-Jun-17	8015B	

Green Analytical Laboratories

Soluble (DI Water Extraction)

Chloride	206	10.0	mg/kg wet	10	B706277	JDA	30-Jun-17	EPA300.0	
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Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Project: MERIT 32 DM ST. COM #1H
Project Number: MEWBOURNE
Project Manager: BEN ARGUIJO
Fax To: NONE

Reported:
03-Jul-17 16:18

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch 7062603 - Volatiles

Blank (7062603-BLK1)

Prepared & Analyzed: 26-Jun-17

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)	ND		mg/kg	0.0500		98.1	72-148		

LCS (7062603-BS1)

Prepared & Analyzed: 26-Jun-17

Benzene	2.21	0.050	mg/kg	2.00		111	79.5-124		
Toluene	2.00	0.050	mg/kg	2.00		100	75.5-127		
Ethylbenzene	2.09	0.050	mg/kg	2.00		105	77.7-125		
Total Xylenes	6.12	0.150	mg/kg	6.00		102	70.9-124		
Surrogate: 4-Bromofluorobenzene (PID)	0.0494		mg/kg	0.0500		98.8	72-148		

LCS Dup (7062603-BSD1)

Prepared & Analyzed: 26-Jun-17

Benzene	2.22	0.050	mg/kg	2.00		111	79.5-124	0.417	6.5
Toluene	2.03	0.050	mg/kg	2.00		101	75.5-127	1.29	7.02
Ethylbenzene	2.12	0.050	mg/kg	2.00		106	77.7-125	1.31	7.83
Total Xylenes	6.21	0.150	mg/kg	6.00		104	70.9-124	1.46	7.78
Surrogate: 4-Bromofluorobenzene (PID)	0.0495		mg/kg	0.0500		99.0	72-148		

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Project: MERIT 32 DM ST. COM #1H
Project Number: MEWBOURNE
Project Manager: BEN ARGUIJO
Fax To: NONE

Reported:
03-Jul-17 16:18

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
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Batch 7062604 - General Prep - Organics

Blank (7062604-BLK1)

Prepared & Analyzed: 26-Jun-17

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	48.3		mg/kg	50.0		96.6	28.3-164			
Surrogate: 1-Chlorooctadecane	48.6		mg/kg	50.0		97.2	34.7-157			

LCS (7062604-BS1)

Prepared & Analyzed: 26-Jun-17

GRO C6-C10	203	10.0	mg/kg	200		101	76.6-119			
DRO >C10-C28	211	10.0	mg/kg	200		106	81.4-124			
Total TPH C6-C28	414	10.0	mg/kg	400		103	79.4-121			
Surrogate: 1-Chlorooctane	53.3		mg/kg	50.0		107	28.3-164			
Surrogate: 1-Chlorooctadecane	53.6		mg/kg	50.0		107	34.7-157			

LCS Dup (7062604-BSD1)

Prepared & Analyzed: 26-Jun-17

GRO C6-C10	211	10.0	mg/kg	200		106	76.6-119	4.16	7.94	
DRO >C10-C28	223	10.0	mg/kg	200		111	81.4-124	5.30	9.83	
Total TPH C6-C28	434	10.0	mg/kg	400		108	79.4-121	4.74	8.57	
Surrogate: 1-Chlorooctane	55.5		mg/kg	50.0		111	28.3-164			
Surrogate: 1-Chlorooctadecane	56.2		mg/kg	50.0		112	34.7-157			

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Project: MERIT 32 DM ST. COM #1H
 Project Number: MEWBOURNE
 Project Manager: BEN ARGUIJO
 Fax To: NONE

 Reported:
 03-Jul-17 16:18

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
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Batch B706277 - General Prep - Wet Chem
Blank (B706277-BLK1)

Prepared & Analyzed: 30-Jun-17

Chloride	ND	1.00	mg/kg wet							
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LCS (B706277-BS1)

Prepared & Analyzed: 30-Jun-17

Chloride	238	10.0	mg/kg wet	250		95.0	85-115			
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LCS Dup (B706277-BSD1)

Prepared & Analyzed: 30-Jun-17

Chloride	239	10.0	mg/kg wet	250		95.4	85-115	0.433	20	
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Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte




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Celey D. Keene, Lab Director/Quality Manager



Page 1 of 1

Relinquished By: 		Date: 6/23/12	Received By:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
		Time: 1405		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:		Date: 6-23-12	Received By: 	REMARKS:	
		Time: 2:05			
Delivered By: (Circle One)		Sample Condition	CHECKED BY:	Please e-mail results to zthomas@mewbourne.com & ben@trinityoilfieldservices.com	
Sampler - UPS - Bus - Other:		Cool <input type="checkbox"/> Intact <input type="checkbox"/>	(Initials)		
		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			



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

July 06, 2017

BEN ARGUIJO

TRINITY OILFIELD SERVICES & RENTALS, LLC

P. O. BOX 2587

HOBBS, NM 88241

RE: MERIT 32 DM ST. COM #1H

Enclosed are the results of analyses for samples received by the laboratory on 06/29/17 11:46.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-17-9. 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, 88241Project: MERIT 32 DM ST. COM #1H
Project Number: MEWBOURNE
Project Manager: BEN ARGUIJO
Fax To: NONEReported:
06-Jul-17 11:46

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
AH-1 @ 2.75'	H701713-01	Soil	27-Jun-17 10:45	29-Jun-17 11:46
AH-3 @ 4'	H701713-02	Soil	27-Jun-17 13:35	29-Jun-17 11:46

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Project: MERIT 32 DM ST. COM #1H
Project Number: MEWBOURNE
Project Manager: BEN ARGUIJO
Fax To: NONE

Reported:
06-Jul-17 11:46

AH-1 @ 2.75' H701713-01 (Soil)

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

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	7062903	MS	29-Jun-17	8021B
Toluene*	<0.050	0.050	mg/kg	50	7062903	MS	29-Jun-17	8021B
Ethylbenzene*	<0.050	0.050	mg/kg	50	7062903	MS	29-Jun-17	8021B
Total Xylenes*	<0.150	0.150	mg/kg	50	7062903	MS	29-Jun-17	8021B
Total BTEX	<0.300	0.300	mg/kg	50	7062903	MS	29-Jun-17	8021B
Surrogate: 4-Bromofluorobenzene (PID)		102 %		72-148	7062903	MS	29-Jun-17	8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10	<10.0	10.0	mg/kg	1	7062906	MS	30-Jun-17	8015B
DRO >C10-C28	12.0	10.0	mg/kg	1	7062906	MS	30-Jun-17	8015B
EXT DRO >C28-C36	14.6	10.0	mg/kg	1	7062906	MS	30-Jun-17	8015B
Surrogate: 1-Chlorooctane		80.1 %		28.3-164	7062906	MS	30-Jun-17	8015B
Surrogate: 1-Chlorooctadecane		84.1 %		34.7-157	7062906	MS	30-Jun-17	8015B

Green Analytical Laboratories

Soluble (DI Water Extraction)

Chloride	137	10.0	mg/kg wet	10	B706277	JDA	30-Jun-17	EPA300.0
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Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Project: MERIT 32 DM ST. COM #1H
Project Number: MEWBOURNE
Project Manager: BEN ARGUIJO
Fax To: NONE

Reported:
06-Jul-17 11:46

AH-3 @ 4' H701713-02 (Soil)

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

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	7062903	MS	29-Jun-17	8021B	
Toluene*	<0.050		0.050	mg/kg	50	7062903	MS	29-Jun-17	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	7062903	MS	29-Jun-17	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	7062903	MS	29-Jun-17	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	7062903	MS	29-Jun-17	8021B	
<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			102 %	72-148		7062903	MS	29-Jun-17	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10	<10.0		10.0	mg/kg	1	7062906	MS	30-Jun-17	8015B	
DRO >C10-C28	<10.0		10.0	mg/kg	1	7062906	MS	30-Jun-17	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	7062906	MS	30-Jun-17	8015B	
<i>Surrogate: 1-Chlorooctane</i>			96.8 %	28.3-164		7062906	MS	30-Jun-17	8015B	
<i>Surrogate: 1-Chlorooctadecane</i>			101 %	34.7-157		7062906	MS	30-Jun-17	8015B	

Green Analytical Laboratories

Soluble (DI Water Extraction)

Chloride	206		10.0	mg/kg wet	10	B706277	JDA	30-Jun-17	EPA300.0	
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Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Project: MERIT 32 DM ST. COM #1H
Project Number: MEWBOURNE
Project Manager: BEN ARGUIJO
Fax To: NONE

Reported:
06-Jul-17 11:46

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch 7062903 - Volatiles

Blank (7062903-BLK1)

Prepared & Analyzed: 29-Jun-17

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 BTX	ND	0.300	mg/kg						
Surrogate: 4-Bromofluorobenzene (PID)	ND		mg/kg	0.0500		99.0	72-148		

LCS (7062903-BS1)

Prepared & Analyzed: 29-Jun-17

Benzene	2.16	0.050	mg/kg	2.00		108	79.5-124		
Toluene	1.96	0.050	mg/kg	2.00		98.2	75.5-127		
Ethylbenzene	2.04	0.050	mg/kg	2.00		102	77.7-125		
Total Xylenes	6.08	0.150	mg/kg	6.00		101	70.9-124		
Surrogate: 4-Bromofluorobenzene (PID)	0.0501		mg/kg	0.0500		100	72-148		

LCS Dup (7062903-BSD1)

Prepared & Analyzed: 29-Jun-17

Benzene	2.13	0.050	mg/kg	2.00		106	79.5-124	1.42	6.5
Toluene	1.93	0.050	mg/kg	2.00		96.3	75.5-127	1.95	7.02
Ethylbenzene	2.00	0.050	mg/kg	2.00		99.9	77.7-125	1.92	7.83
Total Xylenes	6.00	0.150	mg/kg	6.00		100	70.9-124	1.31	7.78
Surrogate: 4-Bromofluorobenzene (PID)	0.0502		mg/kg	0.0500		100	72-148		

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Project: MERIT 32 DM ST. COM #1H
Project Number: MEWBOURNE
Project Manager: BEN ARGUIJO
Fax To: NONE

Reported:
06-Jul-17 11:46

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
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Batch 7062906 - General Prep - Organics

Blank (7062906-BLK1)

Prepared & Analyzed: 29-Jun-17

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	49.0		mg/kg	50.0		98.0	28.3-164			
Surrogate: 1-Chlorooctadecane	51.1		mg/kg	50.0		102	34.7-157			

LCS (7062906-BS1)

Prepared & Analyzed: 29-Jun-17

GRO C6-C10	205	10.0	mg/kg	200		103	76.6-119			
DRO >C10-C28	222	10.0	mg/kg	200		111	81.4-124			
Total TPH C6-C28	427	10.0	mg/kg	400		107	79.4-121			
Surrogate: 1-Chlorooctane	56.7		mg/kg	50.0		113	28.3-164			
Surrogate: 1-Chlorooctadecane	59.7		mg/kg	50.0		119	34.7-157			

LCS Dup (7062906-BSD1)

Prepared & Analyzed: 29-Jun-17

GRO C6-C10	210	10.0	mg/kg	200		105	76.6-119	2.25	7.94	
DRO >C10-C28	228	10.0	mg/kg	200		114	81.4-124	2.84	9.83	
Total TPH C6-C28	438	10.0	mg/kg	400		110	79.4-121	2.56	8.57	
Surrogate: 1-Chlorooctane	58.0		mg/kg	50.0		116	28.3-164			
Surrogate: 1-Chlorooctadecane	62.8		mg/kg	50.0		126	34.7-157			

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:TRINITY OILFIELD SERVICES & RENTALS, LLC
P. O. BOX 2587
HOBBS NM, 88241Project: MERIT 32 DM ST. COM #1H
Project Number: MEWBOURNE
Project Manager: BEN ARGUIJO
Fax To: NONEReported:
06-Jul-17 11:46**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 B706277 - General Prep - Wet Chem**Blank (B706277-BLK1)**

Prepared & Analyzed: 30-Jun-17

Chloride ND 1.00 mg/kg wet

LCS (B706277-BS1)

Prepared & Analyzed: 30-Jun-17

Chloride 238 10.0 mg/kg wet 250 95.0 85-115

LCS Dup (B706277-BSD1)

Prepared & Analyzed: 30-Jun-17

Chloride 239 10.0 mg/kg wet 250 95.4 85-115 0.433 20

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

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

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Celey D. Keene, Lab Director/Quality Manager

**CARDINAL LABORATORIES**

101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 1 of 1

Company Name: Trinity Oilfield Services & Rentals, LLC				BILL TO				ANALYSIS REQUEST															
Project Manager: Ben J. Arguijo				P.O. #:				<div style="display: flex; justify-content: space-around;"> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> <div>Chloride (300)</div> </div>															
Address: P.O. Box 2587				Company: Mewbourne Oil Co.																			
City: Hobbs		State: NM		Zip: 88241		Attn: Zack Thomas																	
Phone #: (575)390-7208		Fax #:		Address: P.O. Box 5270																			
Project #:		Project Owner: Mewbourne Oil Co.		City: Hobbs																			
Project Name: Merit 32 DM St. Com #1H				State: NM		Zip: 88241																	
Project Location: Lea Co., NM				Phone #: (575)393-5905																			
Sampler Name: Todd Roberson				Fax #: (575) 397-6252																			
FOR LAB USE ONLY				MATRIX		PRESERV		SAMPLING															
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME									
H701713	AH-1 @ 2.75'	G	1			X				X			6/27/17	1045	X	X	X						
	AH-3 @ 4'	G	1			X				X			6/27/17	1235	X	X	X						

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Relinquished By:	Date: 6/28/17	Received By:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
	Time: 10:20		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date: 6/29/17	Received By:	REMARKS:	
	Time: 1146		<div style="text-align: center;"> Please e-mail results to zthomas@mewbourne.com & ben@trinityoilfieldservices.com </div>	
Delivered By: (Circle One)				
Sampler - UPS - Bus - Other:	4.30	Sample Condition		
		Cool Intact		
		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
		<input type="checkbox"/> Yes <input type="checkbox"/> No		
		CHECKED BY:		
		(Initials)		
		TP-#15		

July 27, 2017

BEN ARGUIJO

TRINITY OILFIELD SERVICES & RENTALS, LLC

P. O. BOX 2587

HOBBS, NM 88241

RE: MERIT 32 DM ST. COM #1H

Enclosed are the results of analyses for samples received by the laboratory on 07/21/17 16:50.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-17-9. 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, 88241Project: MERIT 32 DM ST. COM #1H
Project Number: MEWBOURNE
Project Manager: BEN ARGUIJO
Fax To: NONEReported:
27-Jul-17 16:28

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
AH-1 @ 8'	H701908-01	Soil	21-Jul-17 08:55	21-Jul-17 16:50
AH-2 @ 10'	H701908-02	Soil	21-Jul-17 09:50	21-Jul-17 16:50
AH-3 @ 9'	H701908-03	Soil	21-Jul-17 09:30	21-Jul-17 16:50
AH-4 @ 2'	H701908-04	Soil	21-Jul-17 10:00	21-Jul-17 16:50
AH-4 @ 7'	H701908-05	Soil	21-Jul-17 10:15	21-Jul-17 16:50
SP-2 @ 5'	H701908-06	Soil	21-Jul-17 08:35	21-Jul-17 16:50
SP-3 @ 5'	H701908-07	Soil	21-Jul-17 08:25	21-Jul-17 16:50
SP-4 @ 7'	H701908-08	Soil	21-Jul-17 09:05	21-Jul-17 16:50
SP-5 @ 7'	H701908-09	Soil	21-Jul-17 09:15	21-Jul-17 16:50

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Project: MERIT 32 DM ST. COM #1H
Project Number: MEWBOURNE
Project Manager: BEN ARGUIJO
Fax To: NONE

Reported:
27-Jul-17 16:28

AH-1 @ 8' H701908-01 (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	7072402	MS	24-Jul-17	8021B	
Toluene*	<0.050		0.050	mg/kg	50	7072402	MS	24-Jul-17	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	7072402	MS	24-Jul-17	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	7072402	MS	24-Jul-17	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	7072402	MS	24-Jul-17	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			108 %		72-148	7072402	MS	24-Jul-17	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10	<10.0		10.0	mg/kg	1	7072401	MS	24-Jul-17	8015B	
DRO >C10-C28	<10.0		10.0	mg/kg	1	7072401	MS	24-Jul-17	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	7072401	MS	24-Jul-17	8015B	
Surrogate: 1-Chlorooctane			84.1 %		28.3-164	7072401	MS	24-Jul-17	8015B	
Surrogate: 1-Chlorooctadecane			81.9 %		34.7-157	7072401	MS	24-Jul-17	8015B	

Green Analytical Laboratories

Soluble (DI Water Extraction)

Chloride	27.1		10.0	mg/kg wet	10	B707202	JDA	26-Jul-17	EPA300.0	
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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Project: MERIT 32 DM ST. COM #1H
Project Number: MEWBOURNE
Project Manager: BEN ARGUIJO
Fax To: NONE

Reported:
27-Jul-17 16:28

AH-2 @ 10' H701908-02 (Soil)

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

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	7072402	MS	24-Jul-17	8021B	
Toluene*	<0.050		0.050	mg/kg	50	7072402	MS	24-Jul-17	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	7072402	MS	24-Jul-17	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	7072402	MS	24-Jul-17	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	7072402	MS	24-Jul-17	8021B	
<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			108 %	72-148		7072402	MS	24-Jul-17	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10	<10.0		10.0	mg/kg	1	7072401	MS	24-Jul-17	8015B	
DRO >C10-C28	<10.0		10.0	mg/kg	1	7072401	MS	24-Jul-17	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	7072401	MS	24-Jul-17	8015B	
<i>Surrogate: 1-Chlorooctane</i>			77.2 %	28.3-164		7072401	MS	24-Jul-17	8015B	
<i>Surrogate: 1-Chlorooctadecane</i>			75.2 %	34.7-157		7072401	MS	24-Jul-17	8015B	

Green Analytical Laboratories

Soluble (DI Water Extraction)

Chloride	132		10.0	mg/kg wet	10	B707202	JDA	27-Jul-17	EPA300.0	
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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Project: MERIT 32 DM ST. COM #1H
Project Number: MEWBOURNE
Project Manager: BEN ARGUIJO
Fax To: NONE

Reported:
27-Jul-17 16:28

AH-3 @ 9' H701908-03 (Soil)

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

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	7072402	MS	24-Jul-17	8021B	
Toluene*	<0.050		0.050	mg/kg	50	7072402	MS	24-Jul-17	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	7072402	MS	24-Jul-17	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	7072402	MS	24-Jul-17	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	7072402	MS	24-Jul-17	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			107 %	72-148		7072402	MS	24-Jul-17	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10	<10.0		10.0	mg/kg	1	7072401	MS	24-Jul-17	8015B	
DRO >C10-C28	<10.0		10.0	mg/kg	1	7072401	MS	24-Jul-17	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	7072401	MS	24-Jul-17	8015B	
Surrogate: 1-Chlorooctane			82.0 %	28.3-164		7072401	MS	24-Jul-17	8015B	
Surrogate: 1-Chlorooctadecane			77.6 %	34.7-157		7072401	MS	24-Jul-17	8015B	

Green Analytical Laboratories

Soluble (DI Water Extraction)

Chloride	109		10.0	mg/kg wet	10	B707202	JDA	27-Jul-17	EPA300.0	
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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:TRINITY OILFIELD SERVICES & RENTALS, LLC
P. O. BOX 2587
HOBBS NM, 88241Project: MERIT 32 DM ST. COM #1H
Project Number: MEWBOURNE
Project Manager: BEN ARGUIJO
Fax To: NONEReported:
27-Jul-17 16:28**AH-4 @ 2'**
H701908-04 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	7072402	MS	24-Jul-17	8021B	
Toluene*	<0.050		0.050	mg/kg	50	7072402	MS	24-Jul-17	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	7072402	MS	24-Jul-17	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	7072402	MS	24-Jul-17	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	7072402	MS	24-Jul-17	8021B	
<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			107 %	72-148		7072402	MS	24-Jul-17	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10	<10.0		10.0	mg/kg	1	7072401	MS	24-Jul-17	8015B	
DRO >C10-C28	<10.0		10.0	mg/kg	1	7072401	MS	24-Jul-17	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	7072401	MS	24-Jul-17	8015B	
<i>Surrogate: 1-Chlorooctane</i>			73.3 %	28.3-164		7072401	MS	24-Jul-17	8015B	
<i>Surrogate: 1-Chlorooctadecane</i>			74.2 %	34.7-157		7072401	MS	24-Jul-17	8015B	

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

Chloride	235		10.0	mg/kg wet	10	B707202	JDA	27-Jul-17	EPA300.0	
----------	-----	--	------	-----------	----	---------	-----	-----------	----------	--

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Project: MERIT 32 DM ST. COM #1H
Project Number: MEWBOURNE
Project Manager: BEN ARGUIJO
Fax To: NONE

Reported:
27-Jul-17 16:28

AH-4 @ 7' H701908-05 (Soil)

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

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	7072402	MS	24-Jul-17	8021B	
Toluene*	<0.050		0.050	mg/kg	50	7072402	MS	24-Jul-17	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	7072402	MS	24-Jul-17	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	7072402	MS	24-Jul-17	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	7072402	MS	24-Jul-17	8021B	
<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			107 %	72-148		7072402	MS	24-Jul-17	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10	<10.0		10.0	mg/kg	1	7072401	MS	24-Jul-17	8015B	
DRO >C10-C28	<10.0		10.0	mg/kg	1	7072401	MS	24-Jul-17	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	7072401	MS	24-Jul-17	8015B	
<i>Surrogate: 1-Chlorooctane</i>			84.3 %	28.3-164		7072401	MS	24-Jul-17	8015B	
<i>Surrogate: 1-Chlorooctadecane</i>			80.3 %	34.7-157		7072401	MS	24-Jul-17	8015B	

Green Analytical Laboratories

Soluble (DI Water Extraction)

Chloride	70.9		10.0	mg/kg wet	10	B707202	JDA	27-Jul-17	EPA300.0	
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Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Project: MERIT 32 DM ST. COM #1H
Project Number: MEWBOURNE
Project Manager: BEN ARGUIJO
Fax To: NONE

Reported:
27-Jul-17 16:28

SP-2 @ 5'
H701908-06 (Soil)

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

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	7072402	MS	24-Jul-17	8021B	
Toluene*	<0.050		0.050	mg/kg	50	7072402	MS	24-Jul-17	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	7072402	MS	24-Jul-17	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	7072402	MS	24-Jul-17	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	7072402	MS	24-Jul-17	8021B	
<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			107 %	72-148		7072402	MS	24-Jul-17	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10	<10.0		10.0	mg/kg	1	7072401	MS	24-Jul-17	8015B	
DRO >C10-C28	<10.0		10.0	mg/kg	1	7072401	MS	24-Jul-17	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	7072401	MS	24-Jul-17	8015B	
<i>Surrogate: 1-Chlorooctane</i>			84.5 %	28.3-164		7072401	MS	24-Jul-17	8015B	
<i>Surrogate: 1-Chlorooctadecane</i>			76.2 %	34.7-157		7072401	MS	24-Jul-17	8015B	

Green Analytical Laboratories

Soluble (DI Water Extraction)

Chloride	34.9		10.0	mg/kg wet	10	B707202	JDA	27-Jul-17	EPA300.0	
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Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Project: MERIT 32 DM ST. COM #1H
Project Number: MEWBOURNE
Project Manager: BEN ARGUIJO
Fax To: NONE

Reported:
27-Jul-17 16:28

SP-3 @ 5'
H701908-07 (Soil)

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

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	7072402	MS	24-Jul-17	8021B	
Toluene*	<0.050		0.050	mg/kg	50	7072402	MS	24-Jul-17	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	7072402	MS	24-Jul-17	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	7072402	MS	24-Jul-17	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	7072402	MS	24-Jul-17	8021B	
<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			106 %	72-148		7072402	MS	24-Jul-17	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10	<10.0		10.0	mg/kg	1	7072401	MS	24-Jul-17	8015B	
DRO >C10-C28	<10.0		10.0	mg/kg	1	7072401	MS	24-Jul-17	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	7072401	MS	24-Jul-17	8015B	
<i>Surrogate: 1-Chlorooctane</i>			80.2 %	28.3-164		7072401	MS	24-Jul-17	8015B	
<i>Surrogate: 1-Chlorooctadecane</i>			77.9 %	34.7-157		7072401	MS	24-Jul-17	8015B	

Green Analytical Laboratories

Soluble (DI Water Extraction)

Chloride	50.5		10.0	mg/kg wet	10	B707202	JDA	27-Jul-17	EPA300.0	
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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Project: MERIT 32 DM ST. COM #1H
Project Number: MEWBOURNE
Project Manager: BEN ARGUIJO
Fax To: NONE

Reported:
27-Jul-17 16:28

SP-4 @ 7'
H701908-08 (Soil)

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

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	7072402	MS	24-Jul-17	8021B	
Toluene*	<0.050		0.050	mg/kg	50	7072402	MS	24-Jul-17	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	7072402	MS	24-Jul-17	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	7072402	MS	24-Jul-17	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	7072402	MS	24-Jul-17	8021B	
<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			106 %	72-148		7072402	MS	24-Jul-17	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10	<10.0		10.0	mg/kg	1	7072401	MS	24-Jul-17	8015B	
DRO >C10-C28	<10.0		10.0	mg/kg	1	7072401	MS	24-Jul-17	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	7072401	MS	24-Jul-17	8015B	
<i>Surrogate: 1-Chlorooctane</i>			83.5 %	28.3-164		7072401	MS	24-Jul-17	8015B	
<i>Surrogate: 1-Chlorooctadecane</i>			77.2 %	34.7-157		7072401	MS	24-Jul-17	8015B	

Green Analytical Laboratories

Soluble (DI Water Extraction)

Chloride	<10.0		10.0	mg/kg wet	10	B707202	JDA	27-Jul-17	EPA300.0	
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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Project: MERIT 32 DM ST. COM #1H
Project Number: MEWBOURNE
Project Manager: BEN ARGUIJO
Fax To: NONE

Reported:
27-Jul-17 16:28

SP-5 @ 7'
H701908-09 (Soil)

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

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	7072402	MS	24-Jul-17	8021B	
Toluene*	<0.050		0.050	mg/kg	50	7072402	MS	24-Jul-17	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	7072402	MS	24-Jul-17	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	7072402	MS	24-Jul-17	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	7072402	MS	24-Jul-17	8021B	
<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			107 %	72-148		7072402	MS	24-Jul-17	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10	<10.0		10.0	mg/kg	1	7072401	MS	24-Jul-17	8015B	
DRO >C10-C28	<10.0		10.0	mg/kg	1	7072401	MS	24-Jul-17	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	7072401	MS	24-Jul-17	8015B	
<i>Surrogate: 1-Chlorooctane</i>			89.4 %	28.3-164		7072401	MS	24-Jul-17	8015B	
<i>Surrogate: 1-Chlorooctadecane</i>			82.2 %	34.7-157		7072401	MS	24-Jul-17	8015B	

Green Analytical Laboratories

Soluble (DI Water Extraction)

Chloride	19.7		10.0	mg/kg wet	10	B707202	JDA	27-Jul-17	EPA300.0	
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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Project: MERIT 32 DM ST. COM #1H
Project Number: MEWBOURNE
Project Manager: BEN ARGUIJO
Fax To: NONE

Reported:
27-Jul-17 16:28

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
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Batch 7072402 - Volatiles

Blank (7072402-BLK1)

Prepared & Analyzed: 24-Jul-17

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 BTX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0536		mg/kg	0.0500		107	72-148			

LCS (7072402-BS1)

Prepared & Analyzed: 24-Jul-17

Benzene	1.65	0.050	mg/kg	2.00		82.6	79.5-124			
Toluene	1.82	0.050	mg/kg	2.00		90.9	75.5-127			
Ethylbenzene	2.03	0.050	mg/kg	2.00		101	77.7-125			
Total Xylenes	6.13	0.150	mg/kg	6.00		102	70.9-124			
Surrogate: 4-Bromofluorobenzene (PID)	0.0515		mg/kg	0.0500		103	72-148			

LCS Dup (7072402-BSD1)

Prepared & Analyzed: 24-Jul-17

Benzene	1.69	0.050	mg/kg	2.00		84.5	79.5-124	2.20	6.5	
Toluene	1.86	0.050	mg/kg	2.00		93.2	75.5-127	2.55	7.02	
Ethylbenzene	2.08	0.050	mg/kg	2.00		104	77.7-125	2.56	7.83	
Total Xylenes	6.33	0.150	mg/kg	6.00		105	70.9-124	3.15	7.78	
Surrogate: 4-Bromofluorobenzene (PID)	0.0529		mg/kg	0.0500		106	72-148			

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Project: MERIT 32 DM ST. COM #1H
Project Number: MEWBOURNE
Project Manager: BEN ARGUIJO
Fax To: NONE

Reported:
27-Jul-17 16:28

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
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Batch 7072401 - General Prep - Organics

Blank (7072401-BLK1)

Prepared & Analyzed: 24-Jul-17

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	45.4		mg/kg	50.0		90.7	28.3-164			
Surrogate: 1-Chlorooctadecane	42.1		mg/kg	50.0		84.3	34.7-157			

LCS (7072401-BS1)

Prepared & Analyzed: 24-Jul-17

GRO C6-C10	183	10.0	mg/kg	200		91.6	76.6-119			
DRO >C10-C28	189	10.0	mg/kg	200		94.3	81.4-124			
Total TPH C6-C28	372	10.0	mg/kg	400		93.0	79.4-121			
Surrogate: 1-Chlorooctane	48.8		mg/kg	50.0		97.6	28.3-164			
Surrogate: 1-Chlorooctadecane	47.7		mg/kg	50.0		95.3	34.7-157			

LCS Dup (7072401-BSD1)

Prepared & Analyzed: 24-Jul-17

GRO C6-C10	186	10.0	mg/kg	200		92.8	76.6-119	1.25	7.94	
DRO >C10-C28	188	10.0	mg/kg	200		93.8	81.4-124	0.539	9.83	
Total TPH C6-C28	373	10.0	mg/kg	400		93.3	79.4-121	0.346	8.57	
Surrogate: 1-Chlorooctane	49.3		mg/kg	50.0		98.7	28.3-164			
Surrogate: 1-Chlorooctadecane	44.5		mg/kg	50.0		89.0	34.7-157			

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Project: MERIT 32 DM ST. COM #1H
 Project Number: MEWBOURNE
 Project Manager: BEN ARGUIJO
 Fax To: NONE

 Reported:
 27-Jul-17 16:28

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
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Batch B707202 - General Prep - Wet Chem
Blank (B707202-BLK1)

Prepared: 25-Jul-17 Analyzed: 26-Jul-17

Chloride	ND	10.0	mg/kg wet							
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LCS (B707202-BS1)

Prepared: 25-Jul-17 Analyzed: 26-Jul-17

Chloride	240	10.0	mg/kg wet	250		96.1	85-115			
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LCS Dup (B707202-BSD1)

Prepared: 25-Jul-17 Analyzed: 26-Jul-17

Chloride	239	10.0	mg/kg wet	250		95.4	85-115	0.714	20	
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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

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

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Celey D. Keene, Lab Director/Quality Manager

**CARDINAL LABORATORIES**

101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 1 of 1

Company Name: Trinity Oilfield Services & Rentals, LLC				BILL TO				ANALYSIS REQUEST																																																																																																																																																																																																																																		
Project Manager: Ben J. Arguijo				P.O. #:				<div style="display: flex; flex-direction: column; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TPH (8015M)</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">BTEX (8021B)</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Chloride (300)</div> </div>																																																																																																																																																																																																																																		
Address: P.O. Box 2587				Company: Mewbourne Oil Co.																																																																																																																																																																																																																																						
City: Hobbs		State: NM Zip: 88241		Attn: Zack Thomas																																																																																																																																																																																																																																						
Phone #: (575)390-7208		Fax #:		Address: P.O. Box 5270																																																																																																																																																																																																																																						
Project #:		Project Owner: Mewbourne Oil Co.		City: Hobbs																																																																																																																																																																																																																																						
Project Name: Merit 32 DM St. Com #1H				State: NM Zip: 88241																																																																																																																																																																																																																																						
Project Location: Lea Co., NM				Phone #: (575)393-5905																																																																																																																																																																																																																																						
Sampler Name: Ben J. Arguijo				Fax #: (575) 397-6252																																																																																																																																																																																																																																						
<table border="1"> <thead> <tr> <th colspan="2">FOR LAB USE ONLY</th> <th rowspan="2">GRAB OR (C)OMP.</th> <th rowspan="2"># CONTAINERS</th> <th colspan="5">MATRIX</th> <th colspan="2">PRESERV</th> <th colspan="2">SAMPLING</th> <th rowspan="2">DATE</th> <th rowspan="2">TIME</th> <th rowspan="2">TPH (8015M)</th> <th rowspan="2">BTEX (8021B)</th> <th rowspan="2">Chloride (300)</th> </tr> <tr> <th>Lab I.D.</th> <th>Sample I.D.</th> <th>GROUNDWATER</th> <th>WASTEWATER</th> <th>SOIL</th> <th>OIL</th> <th>SLUDGE</th> <th>OTHER</th> <th>ACID/BASE</th> <th>ICE / COOL</th> <th>OTHER</th> </tr> </thead> <tbody> <tr> <td>47701908</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>1</td> <td>AH-1 @ 8'</td> <td>G</td> <td>1</td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td>7/21/17</td> <td>0855</td> <td>X</td> <td>X</td> <td>X</td> <td></td> </tr> <tr> <td>2</td> <td>AH-2 @ 10'</td> <td>G</td> <td>1</td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td>7/21/17</td> <td>0950</td> <td>X</td> <td>X</td> <td>X</td> <td></td> </tr> <tr> <td>3</td> <td>AH-3 @ 9'</td> <td>G</td> <td>1</td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td>7/21/17</td> <td>0930</td> <td>X</td> <td>X</td> <td>X</td> <td></td> </tr> <tr> <td>4</td> <td>AH-4 @ 2'</td> <td>G</td> <td>1</td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td>7/21/17</td> <td>1000</td> <td>X</td> <td>X</td> <td>X</td> <td></td> </tr> <tr> <td>5</td> <td>AH-4 @ 7'</td> <td>G</td> <td>1</td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td>7/21/17</td> <td>1015</td> <td>X</td> <td>X</td> <td>X</td> <td></td> </tr> <tr> <td>6</td> <td>SP-2 @ 5'</td> <td>G</td> <td>1</td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td>7/21/17</td> <td>0835</td> <td>X</td> <td>X</td> <td>X</td> <td></td> </tr> <tr> <td>7</td> <td>SP-3 @ 5'</td> <td>G</td> <td>1</td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td>7/21/17</td> <td>0825</td> <td>X</td> <td>X</td> <td>X</td> <td></td> </tr> <tr> <td>8</td> <td>SP-4 @ 7'</td> <td>G</td> <td>1</td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td>7/21/17</td> <td>0905</td> <td>X</td> <td>X</td> <td>X</td> <td></td> </tr> <tr> <td>9</td> <td>SP-5 @ 7'</td> <td>G</td> <td>1</td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td>7/21/17</td> <td>0915</td> <td>X</td> <td>X</td> <td>X</td> <td></td> </tr> </tbody> </table>																				FOR LAB USE ONLY		GRAB OR (C)OMP.	# CONTAINERS	MATRIX					PRESERV		SAMPLING		DATE	TIME	TPH (8015M)	BTEX (8021B)	Chloride (300)	Lab I.D.	Sample I.D.	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER	47701908																			1	AH-1 @ 8'	G	1		X					X			7/21/17	0855	X	X	X		2	AH-2 @ 10'	G	1		X					X			7/21/17	0950	X	X	X		3	AH-3 @ 9'	G	1		X					X			7/21/17	0930	X	X	X		4	AH-4 @ 2'	G	1		X					X			7/21/17	1000	X	X	X		5	AH-4 @ 7'	G	1		X					X			7/21/17	1015	X	X	X		6	SP-2 @ 5'	G	1		X					X			7/21/17	0835	X	X	X		7	SP-3 @ 5'	G	1		X					X			7/21/17	0825	X	X	X		8	SP-4 @ 7'	G	1		X					X			7/21/17	0905	X	X	X		9	SP-5 @ 7'	G	1		X					X			7/21/17	0915
FOR LAB USE ONLY		GRAB OR (C)OMP.	# CONTAINERS	MATRIX					PRESERV		SAMPLING		DATE	TIME	TPH (8015M)	BTEX (8021B)	Chloride (300)																																																																																																																																																																																																																									
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Relinquished By:	Date: 7/21/17 Time: 10:50	Received By:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
Relinquished By:	Date:	Received By:	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #:
Delivered By: (Circle One) 3.22			REMARKS: Please e-mail results to zthomas@mewbourne.com & ben@trinityoilfieldservices.com * Fx + Delo as per ben. 7/27/17. ch
Sampler - UPS - Bus - Other: Corrected 3.450			
Sample Condition		CHECKED BY: (Initials)	
Cool Intact	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	T.P. #25	

August 10, 2017

BEN ARGUIJO

TRINITY OILFIELD SERVICES & RENTALS, LLC

P. O. BOX 2587

HOBBS, NM 88241

RE: MERIT 32 DM ST. COM #1H

Enclosed are the results of analyses for samples received by the laboratory on 07/27/17 14:02.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-17-9. 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, 88241Project: MERIT 32 DM ST. COM #1H
Project Number: MEWBOURNE
Project Manager: BEN ARGUIJO
Fax To: NONEReported:
10-Aug-17 09:50

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WALL # 1	H701969-01	Soil	26-Jul-17 08:30	27-Jul-17 14:02
WALL # 2	H701969-02	Soil	26-Jul-17 08:35	27-Jul-17 14:02
WALL # 3	H701969-03	Soil	26-Jul-17 08:40	27-Jul-17 14:02
WALL # 4	H701969-04	Soil	26-Jul-17 09:20	27-Jul-17 14:02
WALL # 5	H701969-05	Soil	26-Jul-17 09:50	27-Jul-17 14:02
WALL # 6	H701969-06	Soil	26-Jul-17 11:10	27-Jul-17 14:02
WALL # 7	H701969-07	Soil	26-Jul-17 10:40	27-Jul-17 14:02
WALL # 8	H701969-08	Soil	26-Jul-17 11:00	27-Jul-17 14:02
WALL # 9	H701969-09	Soil	26-Jul-17 11:25	27-Jul-17 14:02
WALL # 10	H701969-10	Soil	26-Jul-17 11:50	27-Jul-17 14:02
WALL # 11	H701969-11	Soil	26-Jul-17 13:30	27-Jul-17 14:02
WALL # 12	H701969-12	Soil	26-Jul-17 13:35	27-Jul-17 14:02
WALL # 13	H701969-13	Soil	26-Jul-17 14:00	27-Jul-17 14:02
WALL # 14	H701969-14	Soil	26-Jul-17 14:05	27-Jul-17 14:02
WALL # 15	H701969-15	Soil	26-Jul-17 14:10	27-Jul-17 14:02
WALL # 16	H701969-16	Soil	26-Jul-17 14:30	27-Jul-17 14:02
WALL # 17	H701969-17	Soil	26-Jul-17 14:50	27-Jul-17 14:02
WALL # 18	H701969-18	Soil	26-Jul-17 14:55	27-Jul-17 14:02
WALL # 19	H701969-19	Soil	26-Jul-17 15:10	27-Jul-17 14:02
WALL # 20	H701969-20	Soil	26-Jul-17 15:15	27-Jul-17 14:02
FLOOR # 1	H701969-21	Soil	26-Jul-17 15:20	27-Jul-17 14:02
FLOOR # 2	H701969-22	Soil	26-Jul-17 15:25	27-Jul-17 14:02
FLOOR # 3	H701969-23	Soil	26-Jul-17 15:30	27-Jul-17 14:02
OVERSPRAY AREA	H701969-24	Soil	26-Jul-17 15:40	27-Jul-17 14:02

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Project: MERIT 32 DM ST. COM #1H
Project Number: MEWBOURNE
Project Manager: BEN ARGUIJO
Fax To: NONE

Reported:
10-Aug-17 09:50

WALL # 1
H701969-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	7072807	MS	29-Jul-17	8021B	
Toluene*	<0.050		0.050	mg/kg	50	7072807	MS	29-Jul-17	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	7072807	MS	29-Jul-17	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	7072807	MS	29-Jul-17	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	7072807	MS	29-Jul-17	8021B	
<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			102 %	72-148		7072807	MS	29-Jul-17	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10	<10.0		10.0	mg/kg	1	7072802	MS	28-Jul-17	8015B	
DRO >C10-C28	<10.0		10.0	mg/kg	1	7072802	MS	28-Jul-17	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	7072802	MS	28-Jul-17	8015B	
<i>Surrogate: 1-Chlorooctane</i>			99.6 %	28.3-164		7072802	MS	28-Jul-17	8015B	
<i>Surrogate: 1-Chlorooctadecane</i>			104 %	34.7-157		7072802	MS	28-Jul-17	8015B	

Green Analytical Laboratories
Soluble (DI Water Extraction)

Chloride	99.6		12.0	mg/kg wet	12	B708044	JDA	08-Aug-17	EPA300.0	
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Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Project: MERIT 32 DM ST. COM #1H
Project Number: MEWBOURNE
Project Manager: BEN ARGUIJO
Fax To: NONE

Reported:
10-Aug-17 09:50

WALL # 2 H701969-02 (Soil)

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

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	7072807	MS	29-Jul-17	8021B	
Toluene*	<0.050		0.050	mg/kg	50	7072807	MS	29-Jul-17	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	7072807	MS	29-Jul-17	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	7072807	MS	29-Jul-17	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	7072807	MS	29-Jul-17	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			101 %	72-148		7072807	MS	29-Jul-17	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10	<10.0		10.0	mg/kg	1	7072802	MS	28-Jul-17	8015B	
DRO >C10-C28	38.3		10.0	mg/kg	1	7072802	MS	28-Jul-17	8015B	
EXT DRO >C28-C36	45.8		10.0	mg/kg	1	7072802	MS	28-Jul-17	8015B	
Surrogate: 1-Chlorooctane			94.5 %	28.3-164		7072802	MS	28-Jul-17	8015B	
Surrogate: 1-Chlorooctadecane			98.8 %	34.7-157		7072802	MS	28-Jul-17	8015B	

Green Analytical Laboratories

Soluble (DI Water Extraction)

Chloride	464		12.0	mg/kg wet	12	B708044	JDA	08-Aug-17	EPA300.0	
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Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Project: MERIT 32 DM ST. COM #1H
Project Number: MEWBOURNE
Project Manager: BEN ARGUIJO
Fax To: NONE

Reported:
10-Aug-17 09:50

WALL # 3
H701969-03 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	7072807	MS	29-Jul-17	8021B	
Toluene*	<0.050		0.050	mg/kg	50	7072807	MS	29-Jul-17	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	7072807	MS	29-Jul-17	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	7072807	MS	29-Jul-17	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	7072807	MS	29-Jul-17	8021B	
<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			103 %	72-148		7072807	MS	29-Jul-17	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10	<10.0		10.0	mg/kg	1	7072802	MS	28-Jul-17	8015B	
DRO >C10-C28	<10.0		10.0	mg/kg	1	7072802	MS	28-Jul-17	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	7072802	MS	28-Jul-17	8015B	
<i>Surrogate: 1-Chlorooctane</i>			95.2 %	28.3-164		7072802	MS	28-Jul-17	8015B	
<i>Surrogate: 1-Chlorooctadecane</i>			95.4 %	34.7-157		7072802	MS	28-Jul-17	8015B	

Green Analytical Laboratories
Soluble (DI Water Extraction)

Chloride	557		12.0	mg/kg wet	12	B708044	JDA	08-Aug-17	EPA300.0	
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Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Project: MERIT 32 DM ST. COM #1H
Project Number: MEWBOURNE
Project Manager: BEN ARGUIJO
Fax To: NONE

Reported:
10-Aug-17 09:50

WALL # 4 H701969-04 (Soil)

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

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	7072807	MS	29-Jul-17	8021B	
Toluene*	<0.050		0.050	mg/kg	50	7072807	MS	29-Jul-17	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	7072807	MS	29-Jul-17	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	7072807	MS	29-Jul-17	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	7072807	MS	29-Jul-17	8021B	
<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			103 %	72-148		7072807	MS	29-Jul-17	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10	<10.0		10.0	mg/kg	1	7072802	MS	28-Jul-17	8015B	
DRO >C10-C28	<10.0		10.0	mg/kg	1	7072802	MS	28-Jul-17	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	7072802	MS	28-Jul-17	8015B	
<i>Surrogate: 1-Chlorooctane</i>			89.1 %	28.3-164		7072802	MS	28-Jul-17	8015B	
<i>Surrogate: 1-Chlorooctadecane</i>			93.1 %	34.7-157		7072802	MS	28-Jul-17	8015B	

Green Analytical Laboratories

Soluble (DI Water Extraction)

Chloride	199		12.0	mg/kg wet	12	B708044	JDA	08-Aug-17	EPA300.0	
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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Project: MERIT 32 DM ST. COM #1H
Project Number: MEWBOURNE
Project Manager: BEN ARGUIJO
Fax To: NONE

Reported:
10-Aug-17 09:50

WALL # 5 H701969-05 (Soil)

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

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	7072807	MS	29-Jul-17	8021B	
Toluene*	<0.050		0.050	mg/kg	50	7072807	MS	29-Jul-17	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	7072807	MS	29-Jul-17	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	7072807	MS	29-Jul-17	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	7072807	MS	29-Jul-17	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			102 %	72-148		7072807	MS	29-Jul-17	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10	<10.0		10.0	mg/kg	1	7072802	MS	28-Jul-17	8015B	
DRO >C10-C28	<10.0		10.0	mg/kg	1	7072802	MS	28-Jul-17	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	7072802	MS	28-Jul-17	8015B	
Surrogate: 1-Chlorooctane			96.5 %	28.3-164		7072802	MS	28-Jul-17	8015B	
Surrogate: 1-Chlorooctadecane			100 %	34.7-157		7072802	MS	28-Jul-17	8015B	

Green Analytical Laboratories

Soluble (DI Water Extraction)

Chloride	192		12.0	mg/kg wet	12	B708044	JDA	08-Aug-17	EPA300.0	
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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Project: MERIT 32 DM ST. COM #1H
Project Number: MEWBOURNE
Project Manager: BEN ARGUIJO
Fax To: NONE

Reported:
10-Aug-17 09:50

WALL # 6
H701969-06 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	7072807	MS	29-Jul-17	8021B	
Toluene*	<0.050		0.050	mg/kg	50	7072807	MS	29-Jul-17	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	7072807	MS	29-Jul-17	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	7072807	MS	29-Jul-17	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	7072807	MS	29-Jul-17	8021B	
<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			101 %	72-148		7072807	MS	29-Jul-17	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10	<10.0		10.0	mg/kg	1	7072802	MS	28-Jul-17	8015B	
DRO >C10-C28	<10.0		10.0	mg/kg	1	7072802	MS	28-Jul-17	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	7072802	MS	28-Jul-17	8015B	
<i>Surrogate: 1-Chlorooctane</i>			86.9 %	28.3-164		7072802	MS	28-Jul-17	8015B	
<i>Surrogate: 1-Chlorooctadecane</i>			87.1 %	34.7-157		7072802	MS	28-Jul-17	8015B	

Green Analytical Laboratories
Soluble (DI Water Extraction)

Chloride	896		24.0	mg/kg wet	24	B708044	JDA	08-Aug-17	EPA300.0	
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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Project: MERIT 32 DM ST. COM #1H
Project Number: MEWBOURNE
Project Manager: BEN ARGUIJO
Fax To: NONE

Reported:
10-Aug-17 09:50

WALL # 7 H701969-07 (Soil)

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

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	7072807	MS	29-Jul-17	8021B	
Toluene*	<0.050		0.050	mg/kg	50	7072807	MS	29-Jul-17	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	7072807	MS	29-Jul-17	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	7072807	MS	29-Jul-17	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	7072807	MS	29-Jul-17	8021B	
<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			102 %	72-148		7072807	MS	29-Jul-17	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10	<10.0		10.0	mg/kg	1	7072802	MS	28-Jul-17	8015B	
DRO >C10-C28	<10.0		10.0	mg/kg	1	7072802	MS	28-Jul-17	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	7072802	MS	28-Jul-17	8015B	
<i>Surrogate: 1-Chlorooctane</i>			96.6 %	28.3-164		7072802	MS	28-Jul-17	8015B	
<i>Surrogate: 1-Chlorooctadecane</i>			96.9 %	34.7-157		7072802	MS	28-Jul-17	8015B	

Green Analytical Laboratories

Soluble (DI Water Extraction)

Chloride	253		12.0	mg/kg wet	12	B708044	JDA	08-Aug-17	EPA300.0	
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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Project: MERIT 32 DM ST. COM #1H
Project Number: MEWBOURNE
Project Manager: BEN ARGUIJO
Fax To: NONE

Reported:
10-Aug-17 09:50

WALL # 8
H701969-08 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	7072807	MS	29-Jul-17	8021B	
Toluene*	<0.050		0.050	mg/kg	50	7072807	MS	29-Jul-17	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	7072807	MS	29-Jul-17	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	7072807	MS	29-Jul-17	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	7072807	MS	29-Jul-17	8021B	
<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			102 %	72-148		7072807	MS	29-Jul-17	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10	<10.0		10.0	mg/kg	1	7072802	MS	28-Jul-17	8015B	
DRO >C10-C28	<10.0		10.0	mg/kg	1	7072802	MS	28-Jul-17	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	7072802	MS	28-Jul-17	8015B	
<i>Surrogate: 1-Chlorooctane</i>			92.8 %	28.3-164		7072802	MS	28-Jul-17	8015B	
<i>Surrogate: 1-Chlorooctadecane</i>			97.8 %	34.7-157		7072802	MS	28-Jul-17	8015B	

Green Analytical Laboratories
Soluble (DI Water Extraction)

Chloride	116		12.0	mg/kg wet	12	B708044	JDA	08-Aug-17	EPA300.0	
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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Project: MERIT 32 DM ST. COM #1H
Project Number: MEWBOURNE
Project Manager: BEN ARGUIJO
Fax To: NONE

Reported:
10-Aug-17 09:50

WALL # 9 H701969-09 (Soil)

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

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	7072807	MS	29-Jul-17	8021B	
Toluene*	<0.050		0.050	mg/kg	50	7072807	MS	29-Jul-17	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	7072807	MS	29-Jul-17	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	7072807	MS	29-Jul-17	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	7072807	MS	29-Jul-17	8021B	
<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			101 %	72-148		7072807	MS	29-Jul-17	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10	<10.0		10.0	mg/kg	1	7072802	MS	28-Jul-17	8015B	
DRO >C10-C28	<10.0		10.0	mg/kg	1	7072802	MS	28-Jul-17	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	7072802	MS	28-Jul-17	8015B	
<i>Surrogate: 1-Chlorooctane</i>			89.3 %	28.3-164		7072802	MS	28-Jul-17	8015B	
<i>Surrogate: 1-Chlorooctadecane</i>			104 %	34.7-157		7072802	MS	28-Jul-17	8015B	

Green Analytical Laboratories

Soluble (DI Water Extraction)

Chloride	245		12.0	mg/kg wet	12	B708044	JDA	08-Aug-17	EPA300.0	
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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Project: MERIT 32 DM ST. COM #1H
Project Number: MEWBOURNE
Project Manager: BEN ARGUIJO
Fax To: NONE

Reported:
10-Aug-17 09:50

WALL # 10
H701969-10 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	7072808	MS	29-Jul-17	8021B	
Toluene*	<0.050		0.050	mg/kg	50	7072808	MS	29-Jul-17	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	7072808	MS	29-Jul-17	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	7072808	MS	29-Jul-17	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	7072808	MS	29-Jul-17	8021B	
<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			101 %	72-148		7072808	MS	29-Jul-17	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10	<10.0		10.0	mg/kg	1	7072802	MS	28-Jul-17	8015B	
DRO >C10-C28	<10.0		10.0	mg/kg	1	7072802	MS	28-Jul-17	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	7072802	MS	28-Jul-17	8015B	
<i>Surrogate: 1-Chlorooctane</i>			78.3 %	28.3-164		7072802	MS	28-Jul-17	8015B	
<i>Surrogate: 1-Chlorooctadecane</i>			78.7 %	34.7-157		7072802	MS	28-Jul-17	8015B	

Green Analytical Laboratories
Soluble (DI Water Extraction)

Chloride	130		12.0	mg/kg wet	12	B708044	JDA	08-Aug-17	EPA300.0	
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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Project: MERIT 32 DM ST. COM #1H
Project Number: MEWBOURNE
Project Manager: BEN ARGUIJO
Fax To: NONE

Reported:
10-Aug-17 09:50

WALL # 11
H701969-11 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	7072808	MS	29-Jul-17	8021B	
Toluene*	<0.050		0.050	mg/kg	50	7072808	MS	29-Jul-17	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	7072808	MS	29-Jul-17	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	7072808	MS	29-Jul-17	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	7072808	MS	29-Jul-17	8021B	
<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			100 %	72-148		7072808	MS	29-Jul-17	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10	<10.0		10.0	mg/kg	1	7072802	MS	28-Jul-17	8015B	
DRO >C10-C28	<10.0		10.0	mg/kg	1	7072802	MS	28-Jul-17	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	7072802	MS	28-Jul-17	8015B	
<i>Surrogate: 1-Chlorooctane</i>			80.4 %	28.3-164		7072802	MS	28-Jul-17	8015B	
<i>Surrogate: 1-Chlorooctadecane</i>			85.0 %	34.7-157		7072802	MS	28-Jul-17	8015B	

Green Analytical Laboratories
Soluble (DI Water Extraction)

Chloride	1290		48.0	mg/kg wet	48	B708044	JDA	08-Aug-17	EPA300.0	
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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Project: MERIT 32 DM ST. COM #1H
Project Number: MEWBOURNE
Project Manager: BEN ARGUIJO
Fax To: NONE

Reported:
10-Aug-17 09:50

WALL # 12 H701969-12 (Soil)

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

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	7072808	MS	29-Jul-17	8021B	
Toluene*	<0.050		0.050	mg/kg	50	7072808	MS	29-Jul-17	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	7072808	MS	29-Jul-17	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	7072808	MS	29-Jul-17	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	7072808	MS	29-Jul-17	8021B	
<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			101 %	72-148		7072808	MS	29-Jul-17	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10	<10.0		10.0	mg/kg	1	7072802	MS	28-Jul-17	8015B	
DRO >C10-C28	<10.0		10.0	mg/kg	1	7072802	MS	28-Jul-17	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	7072802	MS	28-Jul-17	8015B	
<i>Surrogate: 1-Chlorooctane</i>			86.7 %	28.3-164		7072802	MS	28-Jul-17	8015B	
<i>Surrogate: 1-Chlorooctadecane</i>			87.0 %	34.7-157		7072802	MS	28-Jul-17	8015B	

Green Analytical Laboratories

Soluble (DI Water Extraction)

Chloride	612		24.0	mg/kg wet	24	B708044	JDA	09-Aug-17	EPA300.0	
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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Project: MERIT 32 DM ST. COM #1H
Project Number: MEWBOURNE
Project Manager: BEN ARGUIJO
Fax To: NONE

Reported:
10-Aug-17 09:50

WALL # 13 H701969-13 (Soil)

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

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	7072808	MS	29-Jul-17	8021B	
Toluene*	<0.050		0.050	mg/kg	50	7072808	MS	29-Jul-17	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	7072808	MS	29-Jul-17	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	7072808	MS	29-Jul-17	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	7072808	MS	29-Jul-17	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			102 %	72-148		7072808	MS	29-Jul-17	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10	<10.0		10.0	mg/kg	1	7072802	MS	28-Jul-17	8015B	
DRO >C10-C28	<10.0		10.0	mg/kg	1	7072802	MS	28-Jul-17	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	7072802	MS	28-Jul-17	8015B	
Surrogate: 1-Chlorooctane			102 %	28.3-164		7072802	MS	28-Jul-17	8015B	
Surrogate: 1-Chlorooctadecane			106 %	34.7-157		7072802	MS	28-Jul-17	8015B	

Green Analytical Laboratories

Soluble (DI Water Extraction)

Chloride	70.4		12.0	mg/kg wet	12	B708044	JDA	08-Aug-17	EPA300.0	
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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Project: MERIT 32 DM ST. COM #1H
Project Number: MEWBOURNE
Project Manager: BEN ARGUIJO
Fax To: NONE

Reported:
10-Aug-17 09:50

WALL # 14
H701969-14 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	7072808	MS	29-Jul-17	8021B	
Toluene*	<0.050		0.050	mg/kg	50	7072808	MS	29-Jul-17	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	7072808	MS	29-Jul-17	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	7072808	MS	29-Jul-17	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	7072808	MS	29-Jul-17	8021B	
<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			102 %	72-148		7072808	MS	29-Jul-17	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10	<10.0		10.0	mg/kg	1	7072806	MS	29-Jul-17	8015B	
DRO >C10-C28	<10.0		10.0	mg/kg	1	7072806	MS	29-Jul-17	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	7072806	MS	29-Jul-17	8015B	
<i>Surrogate: 1-Chlorooctane</i>			98.9 %	28.3-164		7072806	MS	29-Jul-17	8015B	
<i>Surrogate: 1-Chlorooctadecane</i>			106 %	34.7-157		7072806	MS	29-Jul-17	8015B	

Green Analytical Laboratories
Soluble (DI Water Extraction)

Chloride	166		10.0	mg/kg wet	10	B708044	JDA	08-Aug-17	EPA300.0	
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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Project: MERIT 32 DM ST. COM #1H
Project Number: MEWBOURNE
Project Manager: BEN ARGUIJO
Fax To: NONE

Reported:
10-Aug-17 09:50

WALL # 15 H701969-15 (Soil)

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

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	7072808	MS	29-Jul-17	8021B	
Toluene*	<0.050		0.050	mg/kg	50	7072808	MS	29-Jul-17	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	7072808	MS	29-Jul-17	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	7072808	MS	29-Jul-17	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	7072808	MS	29-Jul-17	8021B	
<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			102 %	72-148		7072808	MS	29-Jul-17	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10	<10.0		10.0	mg/kg	1	7072806	MS	29-Jul-17	8015B	
DRO >C10-C28	75.7		10.0	mg/kg	1	7072806	MS	29-Jul-17	8015B	
EXT DRO >C28-C36	64.9		10.0	mg/kg	1	7072806	MS	29-Jul-17	8015B	
<i>Surrogate: 1-Chlorooctane</i>			100 %	28.3-164		7072806	MS	29-Jul-17	8015B	
<i>Surrogate: 1-Chlorooctadecane</i>			112 %	34.7-157		7072806	MS	29-Jul-17	8015B	

Green Analytical Laboratories

Soluble (DI Water Extraction)

Chloride	10700		500	mg/kg wet	500	B708044	JDA	09-Aug-17	EPA300.0	
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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Project: MERIT 32 DM ST. COM #1H
Project Number: MEWBOURNE
Project Manager: BEN ARGUIJO
Fax To: NONE

Reported:
10-Aug-17 09:50

WALL # 16
H701969-16 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	7072808	MS	29-Jul-17	8021B	
Toluene*	<0.050		0.050	mg/kg	50	7072808	MS	29-Jul-17	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	7072808	MS	29-Jul-17	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	7072808	MS	29-Jul-17	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	7072808	MS	29-Jul-17	8021B	
<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			102 %	72-148		7072808	MS	29-Jul-17	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10	<10.0		10.0	mg/kg	1	7072806	MS	29-Jul-17	8015B	
DRO >C10-C28	<10.0		10.0	mg/kg	1	7072806	MS	29-Jul-17	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	7072806	MS	29-Jul-17	8015B	
<i>Surrogate: 1-Chlorooctane</i>			92.3 %	28.3-164		7072806	MS	29-Jul-17	8015B	
<i>Surrogate: 1-Chlorooctadecane</i>			93.2 %	34.7-157		7072806	MS	29-Jul-17	8015B	

Green Analytical Laboratories
Soluble (DI Water Extraction)

Chloride	104		10.0	mg/kg wet	10	B708044	JDA	08-Aug-17	EPA300.0	
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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Project: MERIT 32 DM ST. COM #1H
Project Number: MEWBOURNE
Project Manager: BEN ARGUIJO
Fax To: NONE

Reported:
10-Aug-17 09:50

WALL # 17 H701969-17 (Soil)

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

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	7072808	MS	29-Jul-17	8021B	
Toluene*	<0.050		0.050	mg/kg	50	7072808	MS	29-Jul-17	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	7072808	MS	29-Jul-17	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	7072808	MS	29-Jul-17	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	7072808	MS	29-Jul-17	8021B	
<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			102 %	72-148		7072808	MS	29-Jul-17	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10	<10.0		10.0	mg/kg	1	7072806	MS	29-Jul-17	8015B	
DRO >C10-C28	<10.0		10.0	mg/kg	1	7072806	MS	29-Jul-17	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	7072806	MS	29-Jul-17	8015B	
<i>Surrogate: 1-Chlorooctane</i>			101 %	28.3-164		7072806	MS	29-Jul-17	8015B	
<i>Surrogate: 1-Chlorooctadecane</i>			105 %	34.7-157		7072806	MS	29-Jul-17	8015B	

Green Analytical Laboratories

Soluble (DI Water Extraction)

Chloride	27.1		10.0	mg/kg wet	10	B708044	JDA	08-Aug-17	EPA300.0	
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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Project: MERIT 32 DM ST. COM #1H
Project Number: MEWBOURNE
Project Manager: BEN ARGUIJO
Fax To: NONE

Reported:
10-Aug-17 09:50

WALL # 18 H701969-18 (Soil)

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

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	7072808	MS	30-Jul-17	8021B	
Toluene*	<0.050		0.050	mg/kg	50	7072808	MS	30-Jul-17	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	7072808	MS	30-Jul-17	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	7072808	MS	30-Jul-17	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	7072808	MS	30-Jul-17	8021B	
<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			101 %	72-148		7072808	MS	30-Jul-17	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10	<10.0		10.0	mg/kg	1	7072806	MS	29-Jul-17	8015B	
DRO >C10-C28	14.7		10.0	mg/kg	1	7072806	MS	29-Jul-17	8015B	
EXT DRO >C28-C36	11.3		10.0	mg/kg	1	7072806	MS	29-Jul-17	8015B	
<i>Surrogate: 1-Chlorooctane</i>			88.8 %	28.3-164		7072806	MS	29-Jul-17	8015B	
<i>Surrogate: 1-Chlorooctadecane</i>			94.5 %	34.7-157		7072806	MS	29-Jul-17	8015B	

Green Analytical Laboratories

Soluble (DI Water Extraction)

Chloride	31.7		10.0	mg/kg wet	10	B708044	JDA	08-Aug-17	EPA300.0	
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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Project: MERIT 32 DM ST. COM #1H
Project Number: MEWBOURNE
Project Manager: BEN ARGUIJO
Fax To: NONE

Reported:
10-Aug-17 09:50

WALL # 19 H701969-19 (Soil)

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

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	7072808	MS	30-Jul-17	8021B	
Toluene*	<0.050		0.050	mg/kg	50	7072808	MS	30-Jul-17	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	7072808	MS	30-Jul-17	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	7072808	MS	30-Jul-17	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	7072808	MS	30-Jul-17	8021B	
<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			103 %	72-148		7072808	MS	30-Jul-17	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10	<10.0		10.0	mg/kg	1	7072806	MS	29-Jul-17	8015B	
DRO >C10-C28	<10.0		10.0	mg/kg	1	7072806	MS	29-Jul-17	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	7072806	MS	29-Jul-17	8015B	
<i>Surrogate: 1-Chlorooctane</i>			98.9 %	28.3-164		7072806	MS	29-Jul-17	8015B	
<i>Surrogate: 1-Chlorooctadecane</i>			102 %	34.7-157		7072806	MS	29-Jul-17	8015B	

Green Analytical Laboratories

Soluble (DI Water Extraction)

Chloride	193		10.0	mg/kg wet	10	B708044	JDA	08-Aug-17	EPA300.0	
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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Project: MERIT 32 DM ST. COM #1H
Project Number: MEWBOURNE
Project Manager: BEN ARGUIJO
Fax To: NONE

Reported:
10-Aug-17 09:50

WALL # 20 H701969-20 (Soil)

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

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	7072808	MS	30-Jul-17	8021B	
Toluene*	<0.050		0.050	mg/kg	50	7072808	MS	30-Jul-17	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	7072808	MS	30-Jul-17	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	7072808	MS	30-Jul-17	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	7072808	MS	30-Jul-17	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			106 %	72-148		7072808	MS	30-Jul-17	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10	<10.0		10.0	mg/kg	1	7072806	MS	29-Jul-17	8015B	
DRO >C10-C28	918		10.0	mg/kg	1	7072806	MS	29-Jul-17	8015B	
EXT DRO >C28-C36	253		10.0	mg/kg	1	7072806	MS	29-Jul-17	8015B	
Surrogate: 1-Chlorooctane			95.6 %	28.3-164		7072806	MS	29-Jul-17	8015B	
Surrogate: 1-Chlorooctadecane			134 %	34.7-157		7072806	MS	29-Jul-17	8015B	

Green Analytical Laboratories

Soluble (DI Water Extraction)

Chloride	187		10.0	mg/kg wet	10	B708044	JDA	08-Aug-17	EPA300.0	
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Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Project: MERIT 32 DM ST. COM #1H
Project Number: MEWBOURNE
Project Manager: BEN ARGUIJO
Fax To: NONE

Reported:
10-Aug-17 09:50

FLOOR # 1 H701969-21 (Soil)

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

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	7072808	MS	30-Jul-17	8021B	
Toluene*	<0.050		0.050	mg/kg	50	7072808	MS	30-Jul-17	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	7072808	MS	30-Jul-17	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	7072808	MS	30-Jul-17	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	7072808	MS	30-Jul-17	8021B	
<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			102 %	72-148		7072808	MS	30-Jul-17	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10	<10.0		10.0	mg/kg	1	7072806	MS	29-Jul-17	8015B	
DRO >C10-C28	<10.0		10.0	mg/kg	1	7072806	MS	29-Jul-17	8015B	
EXT DRO >C28-C36	15.3		10.0	mg/kg	1	7072806	MS	29-Jul-17	8015B	
<i>Surrogate: 1-Chlorooctane</i>			94.0 %	28.3-164		7072806	MS	29-Jul-17	8015B	
<i>Surrogate: 1-Chlorooctadecane</i>			97.8 %	34.7-157		7072806	MS	29-Jul-17	8015B	

Green Analytical Laboratories

Soluble (DI Water Extraction)

Chloride	41.9		10.0	mg/kg wet	10	B708046	JDA	09-Aug-17	EPA300.0	
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Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Project: MERIT 32 DM ST. COM #1H
Project Number: MEWBOURNE
Project Manager: BEN ARGUIJO
Fax To: NONE

Reported:
10-Aug-17 09:50

FLOOR # 2
H701969-22 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	7072808	MS	30-Jul-17	8021B	
Toluene*	<0.050		0.050	mg/kg	50	7072808	MS	30-Jul-17	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	7072808	MS	30-Jul-17	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	7072808	MS	30-Jul-17	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	7072808	MS	30-Jul-17	8021B	
<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			104 %	72-148		7072808	MS	30-Jul-17	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10	<10.0		10.0	mg/kg	1	7072806	MS	29-Jul-17	8015B	
DRO >C10-C28	<10.0		10.0	mg/kg	1	7072806	MS	29-Jul-17	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	7072806	MS	29-Jul-17	8015B	
<i>Surrogate: 1-Chlorooctane</i>			110 %	28.3-164		7072806	MS	29-Jul-17	8015B	
<i>Surrogate: 1-Chlorooctadecane</i>			116 %	34.7-157		7072806	MS	29-Jul-17	8015B	

Green Analytical Laboratories
Soluble (DI Water Extraction)

Chloride	6480		200	mg/kg wet	200	B708046	JDA	09-Aug-17	EPA300.0	
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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Project: MERIT 32 DM ST. COM #1H
Project Number: MEWBOURNE
Project Manager: BEN ARGUIJO
Fax To: NONE

Reported:
10-Aug-17 09:50

FLOOR # 3 H701969-23 (Soil)

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

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	7072808	MS	30-Jul-17	8021B	
Toluene*	<0.050		0.050	mg/kg	50	7072808	MS	30-Jul-17	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	7072808	MS	30-Jul-17	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	7072808	MS	30-Jul-17	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	7072808	MS	30-Jul-17	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			103 %	72-148		7072808	MS	30-Jul-17	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10	<10.0		10.0	mg/kg	1	7072806	MS	29-Jul-17	8015B	
DRO >C10-C28	55.2		10.0	mg/kg	1	7072806	MS	29-Jul-17	8015B	
EXT DRO >C28-C36	21.0		10.0	mg/kg	1	7072806	MS	29-Jul-17	8015B	
Surrogate: 1-Chlorooctane			106 %	28.3-164		7072806	MS	29-Jul-17	8015B	
Surrogate: 1-Chlorooctadecane			119 %	34.7-157		7072806	MS	29-Jul-17	8015B	

Green Analytical Laboratories

Soluble (DI Water Extraction)

Chloride	4660		200	mg/kg wet	200	B708046	JDA	09-Aug-17	EPA300.0	
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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Project: MERIT 32 DM ST. COM #1H
Project Number: MEWBOURNE
Project Manager: BEN ARGUIJO
Fax To: NONE

Reported:
10-Aug-17 09:50

OVERSPRAY AREA
H701969-24 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	7072808	MS	30-Jul-17	8021B	
Toluene*	<0.050		0.050	mg/kg	50	7072808	MS	30-Jul-17	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	7072808	MS	30-Jul-17	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	7072808	MS	30-Jul-17	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	7072808	MS	30-Jul-17	8021B	
<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			102 %	72-148		7072808	MS	30-Jul-17	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10	<10.0		10.0	mg/kg	1	7072806	MS	29-Jul-17	8015B	
DRO >C10-C28	<10.0		10.0	mg/kg	1	7072806	MS	29-Jul-17	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	7072806	MS	29-Jul-17	8015B	
<i>Surrogate: 1-Chlorooctane</i>			91.5 %	28.3-164		7072806	MS	29-Jul-17	8015B	
<i>Surrogate: 1-Chlorooctadecane</i>			96.6 %	34.7-157		7072806	MS	29-Jul-17	8015B	

Green Analytical Laboratories
Soluble (DI Water Extraction)

Chloride	24.0		10.0	mg/kg wet	10	B708046	JDA	09-Aug-17	EPA300.0	
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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Project: MERIT 32 DM ST. COM #1H
Project Number: MEWBOURNE
Project Manager: BEN ARGUIJO
Fax To: NONE

Reported:
10-Aug-17 09:50

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
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Batch 7072807 - Volatiles

Blank (7072807-BLK1)

Prepared: 28-Jul-17 Analyzed: 29-Jul-17

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)	0.0508		mg/kg	0.0500		102	72-148			

LCS (7072807-BS1)

Prepared: 28-Jul-17 Analyzed: 29-Jul-17

Benzene	1.91	0.050	mg/kg	2.00		95.3	79.5-124			
Toluene	1.79	0.050	mg/kg	2.00		89.6	75.5-127			
Ethylbenzene	1.84	0.050	mg/kg	2.00		92.1	77.7-125			
Total Xylenes	5.59	0.150	mg/kg	6.00		93.1	70.9-124			
Surrogate: 4-Bromofluorobenzene (PID)	0.0488		mg/kg	0.0500		97.6	72-148			

LCS Dup (7072807-BSD1)

Prepared: 28-Jul-17 Analyzed: 29-Jul-17

Benzene	1.89	0.050	mg/kg	2.00		94.3	79.5-124	1.01	6.5	
Toluene	1.81	0.050	mg/kg	2.00		90.3	75.5-127	0.801	7.02	
Ethylbenzene	1.85	0.050	mg/kg	2.00		92.3	77.7-125	0.169	7.83	
Total Xylenes	5.66	0.150	mg/kg	6.00		94.3	70.9-124	1.29	7.78	
Surrogate: 4-Bromofluorobenzene (PID)	0.0498		mg/kg	0.0500		99.6	72-148			

Batch 7072808 - Volatiles

Blank (7072808-BLK1)

Prepared: 28-Jul-17 Analyzed: 29-Jul-17

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)	0.0501		mg/kg	0.0500		100	72-148			

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Project: MERIT 32 DM ST. COM #1H
Project Number: MEWBOURNE
Project Manager: BEN ARGUIJO
Fax To: NONE

Reported:
10-Aug-17 09:50

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch 7072808 - Volatiles

LCS (7072808-BS1)

Prepared: 28-Jul-17 Analyzed: 29-Jul-17

Benzene	1.93	0.050	mg/kg	2.00		96.6	79.5-124		
Toluene	1.80	0.050	mg/kg	2.00		89.9	75.5-127		
Ethylbenzene	1.88	0.050	mg/kg	2.00		93.9	77.7-125		
Total Xylenes	5.68	0.150	mg/kg	6.00		94.6	70.9-124		
Surrogate: 4-Bromofluorobenzene (PID)	0.0498		mg/kg	0.0500		99.7	72-148		

LCS Dup (7072808-BS1)

Prepared: 28-Jul-17 Analyzed: 29-Jul-17

Benzene	1.94	0.050	mg/kg	2.00		96.9	79.5-124	0.304	6.5
Toluene	1.81	0.050	mg/kg	2.00		90.6	75.5-127	0.754	7.02
Ethylbenzene	1.87	0.050	mg/kg	2.00		93.5	77.7-125	0.466	7.83
Total Xylenes	5.65	0.150	mg/kg	6.00		94.2	70.9-124	0.464	7.78
Surrogate: 4-Bromofluorobenzene (PID)	0.0502		mg/kg	0.0500		100	72-148		

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Project: MERIT 32 DM ST. COM #1H
Project Number: MEWBOURNE
Project Manager: BEN ARGUIJO
Fax To: NONE

Reported:
10-Aug-17 09:50

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
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Batch 7072802 - General Prep - Organics

Blank (7072802-BLK1)

Prepared & Analyzed: 28-Jul-17

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	51.7		mg/kg	50.0		103	28.3-164			
Surrogate: 1-Chlorooctadecane	56.0		mg/kg	50.0		112	34.7-157			

LCS (7072802-BS1)

Prepared & Analyzed: 28-Jul-17

GRO C6-C10	198	10.0	mg/kg	200		99.1	76.6-119			
DRO >C10-C28	211	10.0	mg/kg	200		105	81.4-124			
Total TPH C6-C28	409	10.0	mg/kg	400		102	79.4-121			
Surrogate: 1-Chlorooctane	55.2		mg/kg	50.0		110	28.3-164			
Surrogate: 1-Chlorooctadecane	59.5		mg/kg	50.0		119	34.7-157			

LCS Dup (7072802-BSD1)

Prepared & Analyzed: 28-Jul-17

GRO C6-C10	179	10.0	mg/kg	200		89.5	76.6-119	10.1	7.94	QR-02
DRO >C10-C28	193	10.0	mg/kg	200		96.5	81.4-124	8.90	9.83	
Total TPH C6-C28	372	10.0	mg/kg	400		93.0	79.4-121	9.48	8.57	QR-02
Surrogate: 1-Chlorooctane	49.8		mg/kg	50.0		99.6	28.3-164			
Surrogate: 1-Chlorooctadecane	53.8		mg/kg	50.0		108	34.7-157			

Batch 7072806 - General Prep - Organics

Blank (7072806-BLK1)

Prepared & Analyzed: 28-Jul-17

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	55.1		mg/kg	50.0		110	28.3-164			
Surrogate: 1-Chlorooctadecane	59.3		mg/kg	50.0		119	34.7-157			

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Project: MERIT 32 DM ST. COM #1H
Project Number: MEWBOURNE
Project Manager: BEN ARGUIJO
Fax To: NONE

Reported:
10-Aug-17 09:50

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
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Batch 7072806 - General Prep - Organics

LCS (7072806-BS1)

Prepared & Analyzed: 28-Jul-17

GRO C6-C10	216	10.0	mg/kg	200		108	76.6-119			
DRO >C10-C28	227	10.0	mg/kg	200		114	81.4-124			
Total TPH C6-C28	443	10.0	mg/kg	400		111	79.4-121			
Surrogate: 1-Chlorooctane	62.1		mg/kg	50.0		124	28.3-164			
Surrogate: 1-Chlorooctadecane	65.6		mg/kg	50.0		131	34.7-157			

LCS Dup (7072806-BS1)

Prepared & Analyzed: 28-Jul-17

GRO C6-C10	210	10.0	mg/kg	200		105	76.6-119	2.77	7.94	
DRO >C10-C28	222	10.0	mg/kg	200		111	81.4-124	2.33	9.83	
Total TPH C6-C28	432	10.0	mg/kg	400		108	79.4-121	2.54	8.57	
Surrogate: 1-Chlorooctane	60.5		mg/kg	50.0		121	28.3-164			
Surrogate: 1-Chlorooctadecane	65.8		mg/kg	50.0		132	34.7-157			

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Project: MERIT 32 DM ST. COM #1H
Project Number: MEWBOURNE
Project Manager: BEN ARGUIJO
Fax To: NONE

Reported:
10-Aug-17 09:50

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
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Batch B708044 - General Prep - Wet Chem

Blank (B708044-BLK1)

Prepared: 07-Aug-17 Analyzed: 08-Aug-17

Chloride	ND	10.0	mg/kg wet							
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LCS (B708044-BS1)

Prepared: 07-Aug-17 Analyzed: 08-Aug-17

Chloride	232	10.0	mg/kg wet	250		92.9	85-115			
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LCS Dup (B708044-BSD1)

Prepared: 07-Aug-17 Analyzed: 08-Aug-17

Chloride	235	10.0	mg/kg wet	250		94.0	85-115	1.20	20	
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Batch B708046 - General Prep - Wet Chem

Blank (B708046-BLK1)

Prepared: 07-Aug-17 Analyzed: 09-Aug-17

Chloride	ND	1.00	mg/kg wet							
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LCS (B708046-BS1)

Prepared: 07-Aug-17 Analyzed: 09-Aug-17

Chloride	239	10.0	mg/kg wet	250		95.7	85-115			
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LCS Dup (B708046-BSD1)

Prepared: 07-Aug-17 Analyzed: 09-Aug-17

Chloride	242	10.0	mg/kg wet	250		96.6	85-115	0.915	20	
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Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager

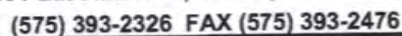


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Page 1 of 3

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



Page 2 of 3

Please e-mail results to zthomas@mewbourne.com
& ben@trinitvoilfieldservices.com



Page 3 of 3

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



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

August 17, 2017

BEN ARGUIJO

TRINITY OILFIELD SERVICES & RENTALS, LLC

P. O. BOX 2587

HOBBS, NM 88241

RE: MERIT 32 DM ST. COM #1H

Enclosed are the results of analyses for samples received by the laboratory on 08/11/17 16:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-17-9. 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, 88241Project: MERIT 32 DM ST. COM #1H
Project Number: MEWBOURNE
Project Manager: BEN ARGUIJO
Fax To: NONEReported:
17-Aug-17 11:49

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WALL # 20B	H702130-01	Soil	11-Aug-17 15:15	11-Aug-17 16:30
WALL # 3B	H702130-02	Soil	11-Aug-17 16:00	11-Aug-17 16:30

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:TRINITY OILFIELD SERVICES & RENTALS, LLC
P. O. BOX 2587
HOBBS NM, 88241Project: MERIT 32 DM ST. COM #1H
Project Number: MEWBOURNE
Project Manager: BEN ARGUIJO
Fax To: NONEReported:
17-Aug-17 11:49**WALL # 20B**
H702130-01 (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	7081614	MS	14-Aug-17	8021B	
Toluene*	<0.050		0.050	mg/kg	50	7081614	MS	14-Aug-17	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	7081614	MS	14-Aug-17	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	7081614	MS	14-Aug-17	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	7081614	MS	14-Aug-17	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			104 %	72-148		7081614	MS	14-Aug-17	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10	<10.0		10.0	mg/kg	1	7081629	MS	14-Aug-17	8015B	
DRO >C10-C28	<10.0		10.0	mg/kg	1	7081629	MS	14-Aug-17	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	7081629	MS	14-Aug-17	8015B	
Surrogate: 1-Chlorooctane			83.0 %	28.3-164		7081629	MS	14-Aug-17	8015B	
Surrogate: 1-Chlorooctadecane			89.5 %	34.7-157		7081629	MS	14-Aug-17	8015B	

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:TRINITY OILFIELD SERVICES & RENTALS, LLC
P. O. BOX 2587
HOBBS NM, 88241Project: MERIT 32 DM ST. COM #1H
Project Number: MEWBOURNE
Project Manager: BEN ARGUIJO
Fax To: NONEReported:
17-Aug-17 11:49**WALL # 3B**
H702130-02 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Green Analytical Laboratories**Soluble (DI Water Extraction)**

Chloride	144		10.0	mg/kg wet	10	B708132	JDA	16-Aug-17	EPA300.0	
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Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Project: MERIT 32 DM ST. COM #1H
Project Number: MEWBOURNE
Project Manager: BEN ARGUIJO
Fax To: NONE

Reported:
17-Aug-17 11:49

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
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Batch 7081614 - Volatiles

Blank (7081614-BLK1)

Prepared & Analyzed: 14-Aug-17

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 BTX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0513		mg/kg	0.0500		103	72-148			

LCS (7081614-BS1)

Prepared & Analyzed: 14-Aug-17

Benzene	1.95	0.050	mg/kg	2.00		97.4	79.5-124			
Toluene	1.81	0.050	mg/kg	2.00		90.3	75.5-127			
Ethylbenzene	1.89	0.050	mg/kg	2.00		94.6	77.7-125			
Total Xylenes	5.66	0.150	mg/kg	6.00		94.3	70.9-124			
Surrogate: 4-Bromofluorobenzene (PID)	0.0509		mg/kg	0.0500		102	72-148			

LCS Dup (7081614-BSD1)

Prepared & Analyzed: 14-Aug-17

Benzene	1.98	0.050	mg/kg	2.00		98.8	79.5-124	1.41	6.5	
Toluene	1.86	0.050	mg/kg	2.00		93.0	75.5-127	3.03	7.02	
Ethylbenzene	1.94	0.050	mg/kg	2.00		96.8	77.7-125	2.37	7.83	
Total Xylenes	5.80	0.150	mg/kg	6.00		96.6	70.9-124	2.51	7.78	
Surrogate: 4-Bromofluorobenzene (PID)	0.0512		mg/kg	0.0500		102	72-148			

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Project: MERIT 32 DM ST. COM #1H
Project Number: MEWBOURNE
Project Manager: BEN ARGUIJO
Fax To: NONE

Reported:
17-Aug-17 11:49

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
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Batch 7081629 - General Prep - Organics

Blank (7081629-BLK1)

Prepared & Analyzed: 14-Aug-17

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	47.5		mg/kg	50.0		95.0	28.3-164			
Surrogate: 1-Chlorooctadecane	47.6		mg/kg	50.0		95.2	34.7-157			

LCS (7081629-BS1)

Prepared & Analyzed: 14-Aug-17

GRO C6-C10	212	10.0	mg/kg	200		106	76.6-119			
DRO >C10-C28	210	10.0	mg/kg	200		105	81.4-124			
Total TPH C6-C28	422	10.0	mg/kg	400		105	79.4-121			
Surrogate: 1-Chlorooctane	50.1		mg/kg	50.0		100	28.3-164			
Surrogate: 1-Chlorooctadecane	49.4		mg/kg	50.0		98.7	34.7-157			

LCS Dup (7081629-BSD1)

Prepared & Analyzed: 14-Aug-17

GRO C6-C10	208	10.0	mg/kg	200		104	76.6-119	1.84	7.94	
DRO >C10-C28	209	10.0	mg/kg	200		105	81.4-124	0.298	9.83	
Total TPH C6-C28	417	10.0	mg/kg	400		104	79.4-121	1.07	8.57	
Surrogate: 1-Chlorooctane	48.9		mg/kg	50.0		97.8	28.3-164			
Surrogate: 1-Chlorooctadecane	49.7		mg/kg	50.0		99.4	34.7-157			

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:TRINITY OILFIELD SERVICES & RENTALS, LLC
P. O. BOX 2587
HOBBS NM, 88241Project: MERIT 32 DM ST. COM #1H
Project Number: MEWBOURNE
Project Manager: BEN ARGUIJO
Fax To: NONEReported:
17-Aug-17 11:49**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
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Batch B708132 - General Prep - Wet Chem**Blank (B708132-BLK1)**

Prepared: 16-Aug-17 Analyzed: 17-Aug-17

Chloride ND 10.0 mg/kg wet

LCS (B708132-BS1)

Prepared & Analyzed: 16-Aug-17

Chloride 237 10.0 mg/kg wet 250 95.0 85-115

LCS Dup (B708132-BSD1)

Prepared & Analyzed: 16-Aug-17

Chloride 238 10.0 mg/kg wet 250 95.3 85-115 0.366 20

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

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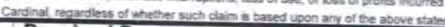
Celey D. Keene, Lab Director/Quality Manager



Page 9 of 9

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Relinquished By: 		Date: 8/11/17		Received By: 		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:	
		Time: 1630				Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Fax #:	
Relinquished By:		Date:		Received By:		REMARKS: * PWSH *			
		Time:							
Delivered By: (Circle One) 27.5°				Sample Condition		CHECKED BY:			
Sampler - UPS - Bus - Other: Corrected 27.75°				Cool Intact		(Initials)			
				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		70 #75			

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326

August 21, 2017

BEN ARGUIJO

TRINITY OILFIELD SERVICES & RENTALS, LLC

P. O. BOX 2587

HOBBS, NM 88241

RE: MERIT 32 DM ST. COM #1H

Enclosed are the results of analyses for samples received by the laboratory on 08/14/17 16:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-17-9. 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, 88241Project: MERIT 32 DM ST. COM #1H
Project Number: MEWBOURNE
Project Manager: BEN ARGUIJO
Fax To: NONEReported:
21-Aug-17 12:59

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
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WALL #12B	H702146-01	Soil	14-Aug-17 15:40	14-Aug-17 16:40
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Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:TRINITY OILFIELD SERVICES & RENTALS, LLC
P. O. BOX 2587
HOBBS NM, 88241Project: MERIT 32 DM ST. COM #1H
Project Number: MEWBOURNE
Project Manager: BEN ARGUIJO
Fax To: NONEReported:
21-Aug-17 12:59**WALL #12B**
H702146-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Green Analytical Laboratories**Soluble (DI Water Extraction)**

Chloride	305		10.0	mg/kg wet	10	B708153	JDA	18-Aug-17	EPA300.0	
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Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Project: MERIT 32 DM ST. COM #1H
 Project Number: MEWBOURNE
 Project Manager: BEN ARGUIJO
 Fax To: NONE

 Reported:
 21-Aug-17 12:59

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch B708153 - General Prep - Wet Chem									
Blank (B708153-BLK1)				Prepared & Analyzed: 18-Aug-17					
Chloride	ND	10.0	mg/kg wet						
LCS (B708153-BS1)				Prepared & Analyzed: 18-Aug-17					
Chloride	241	10.0	mg/kg wet	250		96.4	85-115		
LCS Dup (B708153-BSD1)				Prepared & Analyzed: 18-Aug-17					
Chloride	240	10.0	mg/kg wet	250		96.0	85-115	0.441	20

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

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

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Celey D. Keene, Lab Director/Quality Manager




CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

(575) 393-2326 FAX (575) 393-2476										BILL TO										ANALYSIS REQUEST																															
Company Name: <i>Trinity Oilfield Services</i>										P.O. #:										Chloride (500)																															
Project Manager: <i>Ben J. Aguayo</i>										Company: <i>Munbarne</i>																																									
Address:										Attn:																																									
City: <i>Hobbs</i> State: <i>NM</i> Zip: <i>88241</i>										Address:																																									
Phone #: <i>(575) 390-7208</i> Fax #:										City:																																									
Project #: _____ Project Owner:										State: _____ Zip: _____																																									
Project Name: <i>Merit 3d DM St. Comp #1/H</i>										Phone #:																																									
Project Location: <i>Lea Co NM</i>										Fax #:																																									
Sampler Name: <i>Ben J. Aguayo</i>																																																			
FOR LAB USE ONLY																																																			
<div style="display: flex; justify-content: space-between;"> <div>Lab I.D.</div> <div>Sample I.D.</div> </div> <div style="margin-top: 20px;"> <i>H 70245</i> <i>1</i> </div>										<div style="display: flex; justify-content: space-between;"> <div>(GRAB OR C)OMP.</div> <div># CONTAINERS</div> </div> <div style="margin-top: 20px;"> <i>91</i> </div>										<div style="display: flex; justify-content: space-between;"> <div>MATRIX</div> <div>PRESERV.</div> <div>SAMPLING</div> </div> <div style="margin-top: 20px;"> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">GROUNDWATER</td> <td style="width: 15%;">WASTEWATER</td> <td style="width: 15%;">SOIL</td> <td style="width: 15%;">OIL</td> <td style="width: 15%;">SLUDGE</td> <td style="width: 15%;">OTHER:</td> <td style="width: 15%;">ACID/BASE:</td> <td style="width: 15%;">ICE / COOL</td> <td style="width: 15%;">OTHER:</td> <td style="width: 15%;">DATE</td> <td style="width: 15%;">TIME</td> </tr> <tr> <td></td> <td></td> <td style="text-align: center;"><i>X</i></td> <td></td> <td></td> <td></td> <td></td> <td style="text-align: center;"><i>X</i></td> <td></td> <td style="text-align: center;"><i>8/14/17</i></td> <td style="text-align: center;"><i>1540</i></td> </tr> </table> </div>										GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME			<i>X</i>					<i>X</i>		<i>8/14/17</i>	<i>1540</i>
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		<i>X</i>					<i>X</i>		<i>8/14/17</i>	<i>1540</i>																																									

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

Relinquished By: 		Date: 8/11/17	Received By: Tamara [Signature]	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
		Time: 1640		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:		Date:	Received By:	REMARKS: ★ RUSH ★	
		Time:			
Delivered By: (Circle One) 32.88		Sample Condition	CHECKED BY:		
Sampler - UPS - Bus - Other: Corrected 3305		Cool <input type="checkbox"/> Yes <input type="checkbox"/> No	(Initials) T9#75	Brought directly to Lab from	
		Intact <input type="checkbox"/> Yes <input type="checkbox"/> No			

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326