



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

April 18, 2023

DAN DUNKELBERG

TRINITY OILFIELD SERVICES & RENTALS, LLC

P. O. BOX 2587

HOBBS, NM 88241

RE: HOSS 11 SWD #001

Enclosed are the results of analyses for samples received by the laboratory on 04/12/23 16:43.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/12/2023
 Reported: 04/18/2023
 Project Name: HOSS 11 SWD #001
 Project Number: NOT GIVEN
 Project Location: NONE GIVEN

Sampling Date: 04/10/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: DV-001.0-00.0-S (H231757-01)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/17/2023	ND	1.99	99.7	2.00	0.0717	
Toluene*	<0.050	0.050	04/17/2023	ND	2.10	105	2.00	0.849	
Ethylbenzene*	<0.050	0.050	04/17/2023	ND	2.06	103	2.00	1.24	
Total Xylenes*	<0.150	0.150	04/17/2023	ND	6.47	108	6.00	0.0485	
Total BTEX	<0.300	0.300	04/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	47200	16.0	04/17/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/17/2023	ND	198	98.8	200	1.42	
DRO >C10-C28*	12.6	10.0	04/17/2023	ND	209	105	200	1.35	
EXT DRO >C28-C36	<10.0	10.0	04/17/2023	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/12/2023
 Reported: 04/18/2023
 Project Name: HOSS 11 SWD #001
 Project Number: NOT GIVEN
 Project Location: NONE GIVEN

Sampling Date: 04/10/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: DV-001.0-01.0-S (H231757-02)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/17/2023	ND	1.99	99.7	2.00	0.0717		
Toluene*	<0.050	0.050	04/17/2023	ND	2.10	105	2.00	0.849		
Ethylbenzene*	<0.050	0.050	04/17/2023	ND	2.06	103	2.00	1.24		
Total Xylenes*	<0.150	0.150	04/17/2023	ND	6.47	108	6.00	0.0485		
Total BTEX	<0.300	0.300	04/17/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	04/17/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/17/2023	ND	198	98.8	200	1.42	
DRO >C10-C28*	<10.0	10.0	04/17/2023	ND	209	105	200	1.35	
EXT DRO >C28-C36	<10.0	10.0	04/17/2023	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 04/12/2023
 Reported: 04/18/2023
 Project Name: HOSS 11 SWD #001
 Project Number: NOT GIVEN
 Project Location: NONE GIVEN

Sampling Date: 04/10/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: DV-001.0-02.0-S (H231757-03)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/17/2023	ND	1.99	99.7	2.00	0.0717		
Toluene*	<0.050	0.050	04/17/2023	ND	2.10	105	2.00	0.849		
Ethylbenzene*	<0.050	0.050	04/17/2023	ND	2.06	103	2.00	1.24		
Total Xylenes*	<0.150	0.150	04/17/2023	ND	6.47	108	6.00	0.0485		
Total BTEX	<0.300	0.300	04/17/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	528	16.0	04/17/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/17/2023	ND	198	98.8	200	1.42	
DRO >C10-C28*	<10.0	10.0	04/17/2023	ND	209	105	200	1.35	
EXT DRO >C28-C36	<10.0	10.0	04/17/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 04/12/2023
 Reported: 04/18/2023
 Project Name: HOSS 11 SWD #001
 Project Number: NOT GIVEN
 Project Location: NONE GIVEN

Sampling Date: 04/10/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: DV-002.0-00.0-S (H231757-04)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/17/2023	ND	1.99	99.7	2.00	0.0717	
Toluene*	<0.050	0.050	04/17/2023	ND	2.10	105	2.00	0.849	
Ethylbenzene*	<0.050	0.050	04/17/2023	ND	2.06	103	2.00	1.24	
Total Xylenes*	<0.150	0.150	04/17/2023	ND	6.47	108	6.00	0.0485	
Total BTEX	<0.300	0.300	04/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	34000	16.0	04/17/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/17/2023	ND	198	98.8	200	1.42	
DRO >C10-C28*	80.7	10.0	04/17/2023	ND	209	105	200	1.35	
EXT DRO >C28-C36	22.0	10.0	04/17/2023	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 126 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 04/12/2023
 Reported: 04/18/2023
 Project Name: HOSS 11 SWD #001
 Project Number: NOT GIVEN
 Project Location: NONE GIVEN

Sampling Date: 04/10/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: DV-002.0-01.0-S (H231757-05)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/17/2023	ND	1.99	99.7	2.00	0.0717		
Toluene*	<0.050	0.050	04/17/2023	ND	2.10	105	2.00	0.849		
Ethylbenzene*	<0.050	0.050	04/17/2023	ND	2.06	103	2.00	1.24		
Total Xylenes*	<0.150	0.150	04/17/2023	ND	6.47	108	6.00	0.0485		
Total BTEX	<0.300	0.300	04/17/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2840	16.0	04/17/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/17/2023	ND	198	98.8	200	1.42	
DRO >C10-C28*	<10.0	10.0	04/17/2023	ND	209	105	200	1.35	
EXT DRO >C28-C36	<10.0	10.0	04/17/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 04/12/2023
 Reported: 04/18/2023
 Project Name: HOSS 11 SWD #001
 Project Number: NOT GIVEN
 Project Location: NONE GIVEN

Sampling Date: 04/10/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: DV-002.0-02.0-S (H231757-06)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/17/2023	ND	1.99	99.7	2.00	0.0717	
Toluene*	<0.050	0.050	04/17/2023	ND	2.10	105	2.00	0.849	
Ethylbenzene*	<0.050	0.050	04/17/2023	ND	2.06	103	2.00	1.24	
Total Xylenes*	<0.150	0.150	04/17/2023	ND	6.47	108	6.00	0.0485	
Total BTEX	<0.300	0.300	04/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	416	16.0	04/17/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/17/2023	ND	198	98.8	200	1.42	
DRO >C10-C28*	<10.0	10.0	04/17/2023	ND	209	105	200	1.35	
EXT DRO >C28-C36	<10.0	10.0	04/17/2023	ND					

Surrogate: 1-Chlorooctane 93.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 04/12/2023
 Reported: 04/18/2023
 Project Name: HOSS 11 SWD #001
 Project Number: NOT GIVEN
 Project Location: NONE GIVEN

Sampling Date: 04/10/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: DV-003.0-00.0-S (H231757-07)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/17/2023	ND	1.99	99.7	2.00	0.0717	
Toluene*	<0.050	0.050	04/17/2023	ND	2.10	105	2.00	0.849	
Ethylbenzene*	<0.050	0.050	04/17/2023	ND	2.06	103	2.00	1.24	
Total Xylenes*	<0.150	0.150	04/17/2023	ND	6.47	108	6.00	0.0485	
Total BTEX	<0.300	0.300	04/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	54400	16.0	04/17/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/17/2023	ND	198	98.8	200	1.42	
DRO >C10-C28*	608	10.0	04/17/2023	ND	209	105	200	1.35	
EXT DRO >C28-C36	179	10.0	04/17/2023	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 184 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 04/12/2023
 Reported: 04/18/2023
 Project Name: HOSS 11 SWD #001
 Project Number: NOT GIVEN
 Project Location: NONE GIVEN

Sampling Date: 04/10/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: DV-003.0-02.0-S (H231757-08)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/17/2023	ND	1.99	99.7	2.00	0.0717	
Toluene*	<0.050	0.050	04/17/2023	ND	2.10	105	2.00	0.849	
Ethylbenzene*	<0.050	0.050	04/17/2023	ND	2.06	103	2.00	1.24	
Total Xylenes*	<0.150	0.150	04/17/2023	ND	6.47	108	6.00	0.0485	
Total BTEX	<0.300	0.300	04/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	04/17/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/17/2023	ND	198	98.8	200	1.42	
DRO >C10-C28*	<10.0	10.0	04/17/2023	ND	209	105	200	1.35	
EXT DRO >C28-C36	11.8	10.0	04/17/2023	ND					

Surrogate: 1-Chlorooctane 98.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 04/12/2023
 Reported: 04/18/2023
 Project Name: HOSS 11 SWD #001
 Project Number: NOT GIVEN
 Project Location: NONE GIVEN

Sampling Date: 04/10/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: DV-004.0-00.0-S (H231757-09)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/17/2023	ND	1.99	99.7	2.00	0.0717	
Toluene*	<0.050	0.050	04/17/2023	ND	2.10	105	2.00	0.849	
Ethylbenzene*	<0.050	0.050	04/17/2023	ND	2.06	103	2.00	1.24	
Total Xylenes*	<0.150	0.150	04/17/2023	ND	6.47	108	6.00	0.0485	
Total BTX	<0.300	0.300	04/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	11700	16.0	04/17/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/17/2023	ND	198	98.8	200	1.42	
DRO >C10-C28*	35.2	10.0	04/17/2023	ND	209	105	200	1.35	
EXT DRO >C28-C36	<10.0	10.0	04/17/2023	ND					

Surrogate: 1-Chlorooctane 99.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 04/12/2023
 Reported: 04/18/2023
 Project Name: HOSS 11 SWD #001
 Project Number: NOT GIVEN
 Project Location: NONE GIVEN

Sampling Date: 04/10/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: DV-004.0-01.0-S (H231757-10)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/17/2023	ND	1.99	99.7	2.00	0.0717	
Toluene*	<0.050	0.050	04/17/2023	ND	2.10	105	2.00	0.849	
Ethylbenzene*	<0.050	0.050	04/17/2023	ND	2.06	103	2.00	1.24	
Total Xylenes*	<0.150	0.150	04/17/2023	ND	6.47	108	6.00	0.0485	
Total BTEX	<0.300	0.300	04/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	592	16.0	04/17/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/17/2023	ND	198	98.8	200	1.42	
DRO >C10-C28*	<10.0	10.0	04/17/2023	ND	209	105	200	1.35	
EXT DRO >C28-C36	<10.0	10.0	04/17/2023	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 04/12/2023
 Reported: 04/18/2023
 Project Name: HOSS 11 SWD #001
 Project Number: NOT GIVEN
 Project Location: NONE GIVEN

Sampling Date: 04/10/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: DV-005.0-00.0-S (H231757-11)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/17/2023	ND	1.99	99.7	2.00	0.0717		
Toluene*	<0.050	0.050	04/17/2023	ND	2.10	105	2.00	0.849		
Ethylbenzene*	<0.050	0.050	04/17/2023	ND	2.06	103	2.00	1.24		
Total Xylenes*	0.194	0.150	04/17/2023	ND	6.47	108	6.00	0.0485		
Total BTEX	<0.300	0.300	04/17/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	38800	16.0	04/17/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	16.2	10.0	04/17/2023	ND	198	98.8	200	1.42	
DRO >C10-C28*	1450	10.0	04/17/2023	ND	209	105	200	1.35	
EXT DRO >C28-C36	257	10.0	04/17/2023	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 154 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 04/12/2023
 Reported: 04/18/2023
 Project Name: HOSS 11 SWD #001
 Project Number: NOT GIVEN
 Project Location: NONE GIVEN

Sampling Date: 04/10/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: DV-005.0-03.0-S (H231757-12)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/17/2023	ND	1.99	99.7	2.00	0.0717	
Toluene*	<0.050	0.050	04/17/2023	ND	2.10	105	2.00	0.849	
Ethylbenzene*	<0.050	0.050	04/17/2023	ND	2.06	103	2.00	1.24	
Total Xylenes*	<0.150	0.150	04/17/2023	ND	6.47	108	6.00	0.0485	
Total BTEX	<0.300	0.300	04/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	04/17/2023	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/17/2023	ND	198	98.8	200	1.42	
DRO >C10-C28*	12.8	10.0	04/17/2023	ND	209	105	200	1.35	
EXT DRO >C28-C36	11.0	10.0	04/17/2023	ND					

Surrogate: 1-Chlorooctane 95.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 04/12/2023
 Reported: 04/18/2023
 Project Name: HOSS 11 SWD #001
 Project Number: NOT GIVEN
 Project Location: NONE GIVEN

Sampling Date: 04/10/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: DV-006.0-00.0-S (H231757-13)

BTEx 8021B		mg/kg	Analyzed By: JH/					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.105	0.050	04/17/2023	ND	1.99	99.7	2.00	0.0717	
Toluene*	1.69	0.050	04/17/2023	ND	2.10	105	2.00	0.849	
Ethylbenzene*	1.03	0.050	04/17/2023	ND	2.06	103	2.00	1.24	
Total Xylenes*	14.9	0.150	04/17/2023	ND	6.47	108	6.00	0.0485	
Total BTEX	17.7	0.300	04/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 291 % 71.5-134

Chloride, SM4500Cl-B		mg/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	52000	16.0	04/17/2023	ND	400	100	400	0.00	

TPH 8015M		mg/kg	Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	518	10.0	04/17/2023	ND	198	98.8	200	1.42	
DRO >C10-C28*	6080	10.0	04/17/2023	ND	209	105	200	1.35	
EXT DRO >C28-C36	994	10.0	04/17/2023	ND					

Surrogate: 1-Chlorooctane 155 % 48.2-134

Surrogate: 1-Chlorooctadecane 172 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 04/12/2023
 Reported: 04/18/2023
 Project Name: HOSS 11 SWD #001
 Project Number: NOT GIVEN
 Project Location: NONE GIVEN

Sampling Date: 04/10/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: DV-006.0-04.0-S (H231757-14)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/17/2023	ND	1.99	99.7	2.00	0.0717	
Toluene*	<0.050	0.050	04/17/2023	ND	2.10	105	2.00	0.849	
Ethylbenzene*	<0.050	0.050	04/17/2023	ND	2.06	103	2.00	1.24	
Total Xylenes*	<0.150	0.150	04/17/2023	ND	6.47	108	6.00	0.0485	
Total BTEx	<0.300	0.300	04/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2600	16.0	04/17/2023	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/17/2023	ND	215	107	200	0.780	
DRO >C10-C28*	<10.0	10.0	04/17/2023	ND	215	108	200	0.324	
EXT DRO >C28-C36	<10.0	10.0	04/17/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 04/12/2023
 Reported: 04/18/2023
 Project Name: HOSS 11 SWD #001
 Project Number: NOT GIVEN
 Project Location: NONE GIVEN

Sampling Date: 04/10/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: DV-006.0-06.0-S (H231757-15)

BTEx 8021B			mg/kg		Analyzed By: JH/				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/17/2023	ND	1.99	99.7	2.00	0.0717	
Toluene*	<0.050	0.050	04/17/2023	ND	2.10	105	2.00	0.849	
Ethylbenzene*	<0.050	0.050	04/17/2023	ND	2.06	103	2.00	1.24	
Total Xylenes*	<0.150	0.150	04/17/2023	ND	6.47	108	6.00	0.0485	
Total BTEX	<0.300	0.300	04/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500Cl-B			mg/kg		Analyzed By: GM				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	528	16.0	04/17/2023	ND	400	100	400	0.00	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/17/2023	ND	215	107	200	0.780	
DRO >C10-C28*	<10.0	10.0	04/17/2023	ND	215	108	200	0.324	
EXT DRO >C28-C36	<10.0	10.0	04/17/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 04/12/2023
 Reported: 04/18/2023
 Project Name: HOSS 11 SWD #001
 Project Number: NOT GIVEN
 Project Location: NONE GIVEN

Sampling Date: 04/10/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: DV-007.0-00.0-S (H231757-16)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/17/2023	ND	1.99	99.7	2.00	0.0717	
Toluene*	<0.050	0.050	04/17/2023	ND	2.10	105	2.00	0.849	
Ethylbenzene*	<0.050	0.050	04/17/2023	ND	2.06	103	2.00	1.24	
Total Xylenes*	<0.150	0.150	04/17/2023	ND	6.47	108	6.00	0.0485	
Total BTEX	<0.300	0.300	04/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	14700	16.0	04/17/2023	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/17/2023	ND	215	107	200	0.780	
DRO >C10-C28*	<10.0	10.0	04/17/2023	ND	215	108	200	0.324	
EXT DRO >C28-C36	<10.0	10.0	04/17/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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Analytical Results For:

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

Received: 04/12/2023
 Reported: 04/18/2023
 Project Name: HOSS 11 SWD #001
 Project Number: NOT GIVEN
 Project Location: NONE GIVEN

Sampling Date: 04/10/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: DV-007.0-04.0-S (H231757-17)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/17/2023	ND	1.99	99.7	2.00	0.0717	
Toluene*	<0.050	0.050	04/17/2023	ND	2.10	105	2.00	0.849	
Ethylbenzene*	<0.050	0.050	04/17/2023	ND	2.06	103	2.00	1.24	
Total Xylenes*	<0.150	0.150	04/17/2023	ND	6.47	108	6.00	0.0485	
Total BTX	<0.300	0.300	04/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1660	16.0	04/17/2023	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/17/2023	ND	215	107	200	0.780	
DRO >C10-C28*	<10.0	10.0	04/17/2023	ND	215	108	200	0.324	
EXT DRO >C28-C36	<10.0	10.0	04/17/2023	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/12/2023
 Reported: 04/18/2023
 Project Name: HOSS 11 SWD #001
 Project Number: NOT GIVEN
 Project Location: NONE GIVEN

Sampling Date: 04/10/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: DV-007.0-05.0-S (H231757-18)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/17/2023	ND	1.99	99.7	2.00	0.0717	
Toluene*	<0.050	0.050	04/17/2023	ND	2.10	105	2.00	0.849	
Ethylbenzene*	<0.050	0.050	04/17/2023	ND	2.06	103	2.00	1.24	
Total Xylenes*	<0.150	0.150	04/17/2023	ND	6.47	108	6.00	0.0485	
Total BTEX	<0.300	0.300	04/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	656	16.0	04/17/2023	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/17/2023	ND	215	107	200	0.780	
DRO >C10-C28*	<10.0	10.0	04/17/2023	ND	215	108	200	0.324	
EXT DRO >C28-C36	<10.0	10.0	04/17/2023	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Analytical Results For:

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

Received: 04/12/2023
 Reported: 04/18/2023
 Project Name: HOSS 11 SWD #001
 Project Number: NOT GIVEN
 Project Location: NONE GIVEN

Sampling Date: 04/10/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: DH-001.0-01.0-S (H231757-19)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/17/2023	ND	1.99	99.7	2.00	0.0717	
Toluene*	<0.050	0.050	04/17/2023	ND	2.10	105	2.00	0.849	
Ethylbenzene*	<0.050	0.050	04/17/2023	ND	2.06	103	2.00	1.24	
Total Xylenes*	<0.150	0.150	04/17/2023	ND	6.47	108	6.00	0.0485	
Total BTEX	<0.300	0.300	04/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	04/17/2023	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/17/2023	ND	215	107	200	0.780	
DRO >C10-C28*	<10.0	10.0	04/17/2023	ND	215	108	200	0.324	
EXT DRO >C28-C36	<10.0	10.0	04/17/2023	ND					

Surrogate: 1-Chlorooctane 97.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.0 % 49.1-148

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Analytical Results For:

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

Received: 04/12/2023
 Reported: 04/18/2023
 Project Name: HOSS 11 SWD #001
 Project Number: NOT GIVEN
 Project Location: NONE GIVEN

Sampling Date: 04/10/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: DH-002.0-01.0-P (H231757-20)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/17/2023	ND	1.97	98.4	2.00	6.65		
Toluene*	<0.050	0.050	04/17/2023	ND	2.01	101	2.00	4.22		
Ethylbenzene*	<0.050	0.050	04/17/2023	ND	2.05	103	2.00	4.38		
Total Xylenes*	<0.150	0.150	04/17/2023	ND	6.21	104	6.00	4.48		
Total BTEX	<0.300	0.300	04/17/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	04/17/2023	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/17/2023	ND	215	107	200	0.780	
DRO >C10-C28*	<10.0	10.0	04/17/2023	ND	215	108	200	0.324	
EXT DRO >C28-C36	<10.0	10.0	04/17/2023	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Analytical Results For:

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

Received: 04/12/2023
 Reported: 04/18/2023
 Project Name: HOSS 11 SWD #001
 Project Number: NOT GIVEN
 Project Location: NONE GIVEN

Sampling Date: 04/10/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: DH-003.0-01.0-S (H231757-21)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/17/2023	ND	1.97	98.4	2.00	6.65		
Toluene*	<0.050	0.050	04/17/2023	ND	2.01	101	2.00	4.22		
Ethylbenzene*	<0.050	0.050	04/17/2023	ND	2.05	103	2.00	4.38		
Total Xylenes*	<0.150	0.150	04/17/2023	ND	6.21	104	6.00	4.48		
Total BTEX	<0.300	0.300	04/17/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	04/17/2023	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/17/2023	ND	215	107	200	0.780	
DRO >C10-C28*	<10.0	10.0	04/17/2023	ND	215	108	200	0.324	
EXT DRO >C28-C36	<10.0	10.0	04/17/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.5 % 49.1-148

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Analytical Results For:

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

Received: 04/12/2023
 Reported: 04/18/2023
 Project Name: HOSS 11 SWD #001
 Project Number: NOT GIVEN
 Project Location: NONE GIVEN

Sampling Date: 04/10/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: DH-004.0-01.0-S (H231757-22)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/17/2023	ND	1.97	98.4	2.00	6.65	
Toluene*	<0.050	0.050	04/17/2023	ND	2.01	101	2.00	4.22	
Ethylbenzene*	<0.050	0.050	04/17/2023	ND	2.05	103	2.00	4.38	
Total Xylenes*	<0.150	0.150	04/17/2023	ND	6.21	104	6.00	4.48	
Total BTEX	<0.300	0.300	04/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	04/17/2023	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/17/2023	ND	215	107	200	0.780	
DRO >C10-C28*	<10.0	10.0	04/17/2023	ND	215	108	200	0.324	
EXT DRO >C28-C36	<10.0	10.0	04/17/2023	ND					

Surrogate: 1-Chlorooctane 93.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.6 % 49.1-148

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Analytical Results For:

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

Received: 04/12/2023
 Reported: 04/18/2023
 Project Name: HOSS 11 SWD #001
 Project Number: NOT GIVEN
 Project Location: NONE GIVEN

Sampling Date: 04/10/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: DH-005.0-01.0-S (H231757-23)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/17/2023	ND	1.97	98.4	2.00	6.65		
Toluene*	<0.050	0.050	04/17/2023	ND	2.01	101	2.00	4.22		
Ethylbenzene*	<0.050	0.050	04/17/2023	ND	2.05	103	2.00	4.38		
Total Xylenes*	<0.150	0.150	04/17/2023	ND	6.21	104	6.00	4.48		
Total BTEx	<0.300	0.300	04/17/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	04/17/2023	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/17/2023	ND	215	107	200	0.780	
DRO >C10-C28*	<10.0	10.0	04/17/2023	ND	215	108	200	0.324	
EXT DRO >C28-C36	<10.0	10.0	04/17/2023	ND					

Surrogate: 1-Chlorooctane 97.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.4 % 49.1-148

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Analytical Results For:

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

Received: 04/12/2023
 Reported: 04/18/2023
 Project Name: HOSS 11 SWD #001
 Project Number: NOT GIVEN
 Project Location: NONE GIVEN

Sampling Date: 04/10/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: DH-006.0-01.0-S (H231757-24)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/17/2023	ND	1.97	98.4	2.00	6.65		
Toluene*	<0.050	0.050	04/17/2023	ND	2.01	101	2.00	4.22		
Ethylbenzene*	<0.050	0.050	04/17/2023	ND	2.05	103	2.00	4.38		
Total Xylenes*	<0.150	0.150	04/17/2023	ND	6.21	104	6.00	4.48		
Total BTEx	<0.300	0.300	04/17/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	04/17/2023	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/17/2023	ND	215	107	200	0.780	
DRO >C10-C28*	<10.0	10.0	04/17/2023	ND	215	108	200	0.324	
EXT DRO >C28-C36	<10.0	10.0	04/17/2023	ND					

Surrogate: 1-Chlorooctane 94.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.1 % 49.1-148

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Analytical Results For:

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

Received: 04/12/2023
 Reported: 04/18/2023
 Project Name: HOSS 11 SWD #001
 Project Number: NOT GIVEN
 Project Location: NONE GIVEN

Sampling Date: 04/10/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: DH-007.0-01.0-S (H231757-25)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/17/2023	ND	1.97	98.4	2.00	6.65		
Toluene*	<0.050	0.050	04/17/2023	ND	2.01	101	2.00	4.22		
Ethylbenzene*	<0.050	0.050	04/17/2023	ND	2.05	103	2.00	4.38		
Total Xylenes*	<0.150	0.150	04/17/2023	ND	6.21	104	6.00	4.48		
Total BTEX	<0.300	0.300	04/17/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	04/17/2023	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/17/2023	ND	215	107	200	0.780	
DRO >C10-C28*	<10.0	10.0	04/17/2023	ND	215	108	200	0.324	
EXT DRO >C28-C36	<10.0	10.0	04/17/2023	ND					

Surrogate: 1-Chlorooctane 96.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/12/2023
 Reported: 04/18/2023
 Project Name: HOSS 11 SWD #001
 Project Number: NOT GIVEN
 Project Location: NONE GIVEN

Sampling Date: 04/10/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: DH-008.0-01.0-S (H231757-26)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/17/2023	ND	1.97	98.4	2.00	6.65	
Toluene*	<0.050	0.050	04/17/2023	ND	2.01	101	2.00	4.22	
Ethylbenzene*	<0.050	0.050	04/17/2023	ND	2.05	103	2.00	4.38	
Total Xylenes*	<0.150	0.150	04/17/2023	ND	6.21	104	6.00	4.48	
Total BTEx	<0.300	0.300	04/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	640	16.0	04/17/2023	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/17/2023	ND	215	107	200	0.780	
DRO >C10-C28*	<10.0	10.0	04/17/2023	ND	215	108	200	0.324	
EXT DRO >C28-C36	<10.0	10.0	04/17/2023	ND					

Surrogate: 1-Chlorooctane 85.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 04/12/2023
 Reported: 04/18/2023
 Project Name: HOSS 11 SWD #001
 Project Number: NOT GIVEN
 Project Location: NONE GIVEN

Sampling Date: 04/10/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: DH-009.0-01.0-S (H231757-27)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/17/2023	ND	1.97	98.4	2.00	6.65		
Toluene*	<0.050	0.050	04/17/2023	ND	2.01	101	2.00	4.22		
Ethylbenzene*	<0.050	0.050	04/17/2023	ND	2.05	103	2.00	4.38		
Total Xylenes*	<0.150	0.150	04/17/2023	ND	6.21	104	6.00	4.48		
Total BTEX	<0.300	0.300	04/17/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	640	16.0	04/17/2023	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/17/2023	ND	215	107	200	0.780	
DRO >C10-C28*	<10.0	10.0	04/17/2023	ND	215	108	200	0.324	
EXT DRO >C28-C36	<10.0	10.0	04/17/2023	ND					

Surrogate: 1-Chlorooctane 90.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.8 % 49.1-148

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Notes and Definitions

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


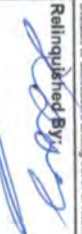


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A handwritten signature in black ink, appearing to read "Celey D. Keene", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager

		101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476		CHAIN-OF-CUSTODY AND ANALYSIS REQUEST	
Company Name: Trinity Oilfield Services				BILL TO	
Project Manager: Dan Dunkelberg				P.O. #:	
Address: 8426 N Dal Paso				Company:	
City: Hobbs				State: NM Zip: 88241	
Phone #: Hobbs				City: Address:	
Project #: Hobbs				City: Address:	
Project Name: Hoss 11 SWD #001				State: Zip:	
Project Location: dan@trinityoilfieldservices.com				Phone #: Fax #:	
Sampler Name:				PRESERV. SAMPLING	
FROM LAB USE ONLY					
Lab I.D. H231757		Sample I.D.			
1 DV-001.0-00.0-S		G 1		X	
2 DV-001.0-01.0-S		G 1		X	
3 DV-001.0-02.0-S		G 1		X	
4 DV-002.0-00.0-S		G 1		X	
5 DV-002.0-01.0-S		G 1		X	
6 DV-002.0-02.0-S		G 1		X	
7 DV-003.0-00.0-S		G 1		X	
8 DV-003.0-02.0-S		G 1		X	
9 DV-004.0-00.0-S		G 1		X	
10 DV-004.0-01.0-S		G 1		X	
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Relinquished By: 		Date: 4/12/23		Received By: 	
Relinquished By:		Date:		Received By:	
Time:		Time:		REMARKS:	
Delivered By: (Circle One)		Observed Temp. °C		Sample Condition	
Sampler - UPS - Bus - Other:		Corrected Temp. °C		Cool Intact	
		-8.4		Yes	
		-9.0		No	
				Checked By: 	
				Turnaround Time:	
				Thermometer ID #113	
				Correction Factor ±0.5 °C	
				Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>	
				Bacteria (only) Sample Condition	
				Cool Intact	
				Yes	
				No	
				Observed Temp. °C	
				Corrected Temp. °C	

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

Page 31 of 32

[illegible]



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

April 19, 2023

DAN DUNKELBERG

TRINITY OILFIELD SERVICES & RENTALS, LLC

P. O. BOX 2587

HOBBS, NM 88241

RE: HOSS 11 SWD #001

Enclosed are the results of analyses for samples received by the laboratory on 04/13/23 15:57.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/13/2023	Sampling Date:	04/13/2023
Reported:	04/19/2023	Sampling Type:	Soil
Project Name:	HOSS 11 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE- EDDY CO, NM		

Sample ID: CF-002.0-09.0-S (H231784-01)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/19/2023	ND	2.00	99.9	2.00	1.54	
Toluene*	<0.050	0.050	04/19/2023	ND	2.10	105	2.00	2.27	
Ethylbenzene*	<0.050	0.050	04/19/2023	ND	2.06	103	2.00	1.19	
Total Xylenes*	<0.150	0.150	04/19/2023	ND	6.40	107	6.00	1.05	
Total BTEX	<0.300	0.300	04/19/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	896	16.0	04/19/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/18/2023	ND	194	96.8	200	8.37	
DRO >C10-C28*	<10.0	10.0	04/18/2023	ND	181	90.5	200	13.0	
EXT DRO >C28-C36	<10.0	10.0	04/18/2023	ND					

Surrogate: 1-Chlorooctane 99.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/13/2023	Sampling Date:	04/13/2023
Reported:	04/19/2023	Sampling Type:	Soil
Project Name:	HOSS 11 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE- EDDY CO, NM		

Sample ID: CF-003.0-07.0-S (H231784-02)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/19/2023	ND	2.00	99.9	2.00	1.54	
Toluene*	<0.050	0.050	04/19/2023	ND	2.10	105	2.00	2.27	
Ethylbenzene*	<0.050	0.050	04/19/2023	ND	2.06	103	2.00	1.19	
Total Xylenes*	<0.150	0.150	04/19/2023	ND	6.40	107	6.00	1.05	
Total BTEx	<0.300	0.300	04/19/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	656	16.0	04/19/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/18/2023	ND	194	96.8	200	8.37	
DRO >C10-C28*	<10.0	10.0	04/18/2023	ND	181	90.5	200	13.0	
EXT DRO >C28-C36	<10.0	10.0	04/18/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/13/2023	Sampling Date:	04/13/2023
Reported:	04/19/2023	Sampling Type:	Soil
Project Name:	HOSS 11 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE- EDDY CO, NM		

Sample ID: CF-005.0-03.0-S (H231784-03)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/19/2023	ND	2.00	99.9	2.00	1.54	
Toluene*	<0.050	0.050	04/19/2023	ND	2.10	105	2.00	2.27	
Ethylbenzene*	<0.050	0.050	04/19/2023	ND	2.06	103	2.00	1.19	
Total Xylenes*	<0.150	0.150	04/19/2023	ND	6.40	107	6.00	1.05	
Total BTEx	<0.300	0.300	04/19/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	624	16.0	04/19/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/18/2023	ND	194	96.8	200	8.37	
DRO >C10-C28*	<10.0	10.0	04/18/2023	ND	181	90.5	200	13.0	
EXT DRO >C28-C36	<10.0	10.0	04/18/2023	ND					

Surrogate: 1-Chlorooctane 82.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/13/2023	Sampling Date:	04/13/2023
Reported:	04/19/2023	Sampling Type:	Soil
Project Name:	HOSS 11 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE- EDDY CO, NM		

Sample ID: DV-006-08.0-S (H231784-04)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/19/2023	ND	2.00	99.9	2.00	1.54		
Toluene*	<0.050	0.050	04/19/2023	ND	2.10	105	2.00	2.27		
Ethylbenzene*	<0.050	0.050	04/19/2023	ND	2.06	103	2.00	1.19		
Total Xylenes*	<0.150	0.150	04/19/2023	ND	6.40	107	6.00	1.05		
Total BTEX	<0.300	0.300	04/19/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	480	16.0	04/19/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2023	ND	187	93.3	200	8.76	
DRO >C10-C28*	<10.0	10.0	04/19/2023	ND	182	91.2	200	6.96	
EXT DRO >C28-C36	<10.0	10.0	04/19/2023	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/13/2023
 Reported: 04/19/2023
 Project Name: HOSS 11 SWD #001
 Project Number: NOT GIVEN
 Project Location: MEWBOURNE- EDDY CO, NM

Sampling Date: 04/13/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: DV-007-06.0-S (H231784-05)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/19/2023	ND	2.00	99.9	2.00	1.54		
Toluene*	<0.050	0.050	04/19/2023	ND	2.10	105	2.00	2.27		
Ethylbenzene*	<0.050	0.050	04/19/2023	ND	2.06	103	2.00	1.19		
Total Xylenes*	<0.150	0.150	04/19/2023	ND	6.40	107	6.00	1.05		
Total BTEx	<0.300	0.300	04/19/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	384	16.0	04/19/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2023	ND	187	93.3	200	8.76	
DRO >C10-C28*	<10.0	10.0	04/19/2023	ND	182	91.2	200	6.96	
EXT DRO >C28-C36	<10.0	10.0	04/19/2023	ND					

Surrogate: 1-Chlorooctane 96.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager

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Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager

[illegible]



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

April 25, 2023

DAN DUNKELBERG

TRINITY OILFIELD SERVICES & RENTALS, LLC

P. O. BOX 2587

HOBBS, NM 88241

RE: HOSS 11 SWD #001

Enclosed are the results of analyses for samples received by the laboratory on 04/19/23 16:43.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/19/2023	Sampling Date:	04/18/2023
Reported:	04/25/2023	Sampling Type:	Soil
Project Name:	HOSS 11 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE- EDDY CO, NM		

Sample ID: CF-007.0-01.0-S (H231902-01)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/23/2023	ND	1.93	96.3	2.00	1.42		
Toluene*	<0.050	0.050	04/23/2023	ND	2.08	104	2.00	3.65		
Ethylbenzene*	<0.050	0.050	04/23/2023	ND	2.10	105	2.00	1.99		
Total Xylenes*	<0.150	0.150	04/23/2023	ND	6.57	110	6.00	2.93		
Total BTX	<0.300	0.300	04/23/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	04/24/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/22/2023	ND	217	109	200	22.1	
DRO >C10-C28*	<10.0	10.0	04/22/2023	ND	213	107	200	22.6	
EXT DRO >C28-C36	<10.0	10.0	04/22/2023	ND					

Surrogate: 1-Chlorooctane 83.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	04/19/2023	Sampling Date:	04/18/2023
Reported:	04/25/2023	Sampling Type:	Soil
Project Name:	HOSS 11 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE- EDDY CO, NM		

Sample ID: CF-008.0-01.0-S (H231902-02)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/23/2023	ND	1.93	96.3	2.00	1.42		
Toluene*	<0.050	0.050	04/23/2023	ND	2.08	104	2.00	3.65		
Ethylbenzene*	<0.050	0.050	04/23/2023	ND	2.10	105	2.00	1.99		
Total Xylenes*	<0.150	0.150	04/23/2023	ND	6.57	110	6.00	2.93		
Total BTEX	<0.300	0.300	04/23/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	04/24/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/22/2023	ND	217	109	200	22.1	
DRO >C10-C28*	<10.0	10.0	04/22/2023	ND	213	107	200	22.6	
EXT DRO >C28-C36	<10.0	10.0	04/22/2023	ND					

Surrogate: 1-Chlorooctane 98.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	04/19/2023	Sampling Date:	04/18/2023
Reported:	04/25/2023	Sampling Type:	Soil
Project Name:	HOSS 11 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE- EDDY CO, NM		

Sample ID: CF-009.0-01.0-S (H231902-03)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/23/2023	ND	1.93	96.3	2.00	1.42		
Toluene*	<0.050	0.050	04/23/2023	ND	2.08	104	2.00	3.65		
Ethylbenzene*	<0.050	0.050	04/23/2023	ND	2.10	105	2.00	1.99		
Total Xylenes*	<0.150	0.150	04/23/2023	ND	6.57	110	6.00	2.93		
Total BTX	<0.300	0.300	04/23/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	04/24/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/22/2023	ND	183	91.5	200	1.22	
DRO >C10-C28*	<10.0	10.0	04/22/2023	ND	178	89.2	200	1.71	
EXT DRO >C28-C36	<10.0	10.0	04/22/2023	ND					

Surrogate: 1-Chlorooctane 92.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	04/19/2023	Sampling Date:	04/18/2023
Reported:	04/25/2023	Sampling Type:	Soil
Project Name:	HOSS 11 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE- EDDY CO, NM		

Sample ID: CF-011.0-01.0-S (H231902-04)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/23/2023	ND	1.93	96.3	2.00	1.42		
Toluene*	<0.050	0.050	04/23/2023	ND	2.08	104	2.00	3.65		
Ethylbenzene*	<0.050	0.050	04/23/2023	ND	2.10	105	2.00	1.99		
Total Xylenes*	<0.150	0.150	04/23/2023	ND	6.57	110	6.00	2.93		
Total BTEX	<0.300	0.300	04/23/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	04/24/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/22/2023	ND	183	91.5	200	1.22	
DRO >C10-C28*	<10.0	10.0	04/22/2023	ND	178	89.2	200	1.71	
EXT DRO >C28-C36	<10.0	10.0	04/22/2023	ND					

Surrogate: 1-Chlorooctane 90.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	04/19/2023	Sampling Date:	04/19/2023
Reported:	04/25/2023	Sampling Type:	Soil
Project Name:	HOSS 11 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE- EDDY CO, NM		

Sample ID: CF-012.0-01.0-S (H231902-05)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/23/2023	ND	1.93	96.3	2.00	1.42	
Toluene*	<0.050	0.050	04/23/2023	ND	2.08	104	2.00	3.65	
Ethylbenzene*	<0.050	0.050	04/23/2023	ND	2.10	105	2.00	1.99	
Total Xylenes*	<0.150	0.150	04/23/2023	ND	6.57	110	6.00	2.93	
Total BTEX	<0.300	0.300	04/23/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	04/24/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/22/2023	ND	183	91.5	200	1.22	
DRO >C10-C28*	<10.0	10.0	04/22/2023	ND	178	89.2	200	1.71	
EXT DRO >C28-C36	<10.0	10.0	04/22/2023	ND					

Surrogate: 1-Chlorooctane 92.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	04/19/2023	Sampling Date:	04/18/2023
Reported:	04/25/2023	Sampling Type:	Soil
Project Name:	HOSS 11 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE- EDDY CO, NM		

Sample ID: CF-014.0-02.0-S (H231902-06)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/23/2023	ND	1.93	96.3	2.00	1.42		
Toluene*	<0.050	0.050	04/23/2023	ND	2.08	104	2.00	3.65		
Ethylbenzene*	<0.050	0.050	04/23/2023	ND	2.10	105	2.00	1.99		
Total Xylenes*	<0.150	0.150	04/23/2023	ND	6.57	110	6.00	2.93		
Total BTEX	<0.300	0.300	04/23/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	04/24/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/22/2023	ND	183	91.5	200	1.22	
DRO >C10-C28*	<10.0	10.0	04/22/2023	ND	178	89.2	200	1.71	
EXT DRO >C28-C36	<10.0	10.0	04/22/2023	ND					

Surrogate: 1-Chlorooctane 94.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	04/19/2023	Sampling Date:	04/19/2023
Reported:	04/25/2023	Sampling Type:	Soil
Project Name:	HOSS 11 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE- EDDY CO, NM		

Sample ID: CF-015.0-02.0-S (H231902-07)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/23/2023	ND	1.93	96.3	2.00	1.42		
Toluene*	<0.050	0.050	04/23/2023	ND	2.08	104	2.00	3.65		
Ethylbenzene*	<0.050	0.050	04/23/2023	ND	2.10	105	2.00	1.99		
Total Xylenes*	<0.150	0.150	04/23/2023	ND	6.57	110	6.00	2.93		
Total BTEX	<0.300	0.300	04/23/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	04/24/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/22/2023	ND	183	91.5	200	1.22	
DRO >C10-C28*	<10.0	10.0	04/22/2023	ND	178	89.2	200	1.71	
EXT DRO >C28-C36	<10.0	10.0	04/22/2023	ND					

Surrogate: 1-Chlorooctane 90.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/19/2023	Sampling Date:	04/19/2023
Reported:	04/25/2023	Sampling Type:	Soil
Project Name:	HOSS 11 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE- EDDY CO, NM		

Sample ID: CF-019.0-02.0-S (H231902-08)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/23/2023	ND	1.93	96.3	2.00	1.42		
Toluene*	<0.050	0.050	04/23/2023	ND	2.08	104	2.00	3.65		
Ethylbenzene*	<0.050	0.050	04/23/2023	ND	2.10	105	2.00	1.99		
Total Xylenes*	<0.150	0.150	04/23/2023	ND	6.57	110	6.00	2.93		
Total BTEX	<0.300	0.300	04/23/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	04/24/2023	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/22/2023	ND	183	91.5	200	1.22	
DRO >C10-C28*	<10.0	10.0	04/22/2023	ND	178	89.2	200	1.71	
EXT DRO >C28-C36	<10.0	10.0	04/22/2023	ND					

Surrogate: 1-Chlorooctane 88.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	04/19/2023	Sampling Date:	04/19/2023
Reported:	04/25/2023	Sampling Type:	Soil
Project Name:	HOSS 11 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE- EDDY CO, NM		

Sample ID: CF-020.0-02.0-S (H231902-09)

BTEx 8021B			mg/kg							
			Analyzed By: JH/							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/23/2023	ND	1.93	96.3	2.00	1.42		
Toluene*	<0.050	0.050	04/23/2023	ND	2.08	104	2.00	3.65		
Ethylbenzene*	<0.050	0.050	04/23/2023	ND	2.10	105	2.00	1.99		
Total Xylenes*	<0.150	0.150	04/23/2023	ND	6.57	110	6.00	2.93		
Total BTEX	<0.300	0.300	04/23/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B			mg/kg							
			Analyzed By: GM							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	04/24/2023	ND	432	108	400	3.77		

TPH 8015M			mg/kg							
			Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	04/22/2023	ND	183	91.5	200	1.22		
DRO >C10-C28*	20.5	10.0	04/22/2023	ND	178	89.2	200	1.71		
EXT DRO >C28-C36	<10.0	10.0	04/22/2023	ND						

Surrogate: 1-Chlorooctane 91.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager

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Notes and Definitions

QR-04	The RPD for the BS/BSD was outside of historical limits.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report


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

Celey D. Keene, Lab Director/Quality Manager



CARDINAL
Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Trinity Offfield Services

Project Manager: Dan Dunkelberg

Address: 8426 N Dal Paso

City: Hobbs

Phone #:

Project #:

Project Name: Hoss 11 SWD #001

Project Location: Eddy Co., NM

Sample Name: gm

BILL TO

P.O. #:

Company: Newbourne Oil Co.

Attn: Corrie Walker

Address:

City:

State:

Zip:

Phone #:

Fax #:

FOR LAB USE ONLY

Lab I.D. H231902

Sample I.D.

	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME
1	CF-007.0-01.0-S	C 1	X									4/18/2023	
2	CF-008.0-01.0-S	C 1	X									4/18/2023	
3	CF-009.0-01.0-S	C 1	X									4/18/2023	
4	CF-011.0-01.0-S	C 1	X									4/18/2023	
5	CF-012.0-01.0-S	C 1	X									4/18/2023	
6	CF-014.0-02.0-S	C 1	X									4/18/2023	
7	CF-015.0-02.0-S	C 1	X									4/18/2023	
8	CF-019.0-02.0-S	C 1	X									4/18/2023	
9	CF-020.0-02.0-S	C 1	X									4/18/2023	

ANALYSIS REQUEST

Chloride

TPH

BTEX

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Relinquished By: [Signature]

Date: 4-19-23

Received By: [Signature]

Date: 4-19-23

Relinquished By:

Date:

Received By:

Time:

Time:

Observed Temp. °C: 3.3

Corrected Temp. °C: 2.6

Sample Condition: Cool Impact ☒ Yes ☐ No

CHECKED BY: [Signature]

Turnaround Time:

Thermometer ID #113

Correction Factor: -2.5 °C

Standard: ☒ X

Bacteria (only) Sample Condition: Cool ☒ Yes ☐ No, Intact ☒ Yes ☐ No

Observed Temp. °C:

Corrected Temp. °C:

REMARKS:

Verbal Result:

Yes ☐ **No** ☐ **Add'l Phone #:**

All Results are emailed. Please provide Email address:



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

April 26, 2023

DAN DUNKELBERG

TRINITY OILFIELD SERVICES & RENTALS, LLC

P. O. BOX 2587

HOBBS, NM 88241

RE: HOSS 11 SWD #001

Enclosed are the results of analyses for samples received by the laboratory on 04/20/23 15:45.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/20/2023	Sampling Date:	04/20/2023
Reported:	04/26/2023	Sampling Type:	Soil
Project Name:	HOSS 11 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE- EDDY CO, NM		

Sample ID: CF-004.0-05.0-S (H231938-01)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/24/2023	ND	1.96	97.8	2.00	7.20		
Toluene*	<0.050	0.050	04/24/2023	ND	2.13	107	2.00	6.30		
Ethylbenzene*	<0.050	0.050	04/24/2023	ND	2.19	109	2.00	6.89		
Total Xylenes*	<0.150	0.150	04/24/2023	ND	6.83	114	6.00	6.36		
Total BTEX	<0.300	0.300	04/24/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	04/25/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/25/2023	ND	202	101	200	3.38	
DRO >C10-C28*	<10.0	10.0	04/25/2023	ND	189	94.4	200	0.532	
EXT DRO >C28-C36	<10.0	10.0	04/25/2023	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/20/2023	Sampling Date:	04/20/2023
Reported:	04/26/2023	Sampling Type:	Soil
Project Name:	HOSS 11 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE- EDDY CO, NM		

Sample ID: CF-005.0-05.0-S (H231938-02)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/24/2023	ND	1.96	97.8	2.00	7.20		
Toluene*	<0.050	0.050	04/24/2023	ND	2.13	107	2.00	6.30		
Ethylbenzene*	<0.050	0.050	04/24/2023	ND	2.19	109	2.00	6.89		
Total Xylenes*	<0.150	0.150	04/24/2023	ND	6.83	114	6.00	6.36		
Total BTEX	<0.300	0.300	04/24/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	04/25/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/25/2023	ND	202	101	200	3.38	
DRO >C10-C28*	<10.0	10.0	04/25/2023	ND	189	94.4	200	0.532	
EXT DRO >C28-C36	<10.0	10.0	04/25/2023	ND					

Surrogate: 1-Chlorooctane 97.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/20/2023	Sampling Date:	04/20/2023
Reported:	04/26/2023	Sampling Type:	Soil
Project Name:	HOSS 11 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE- EDDY CO, NM		

Sample ID: CF-006.0-08.0-S (H231938-03)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/24/2023	ND	1.96	97.8	2.00	7.20		
Toluene*	<0.050	0.050	04/24/2023	ND	2.13	107	2.00	6.30		
Ethylbenzene*	<0.050	0.050	04/24/2023	ND	2.19	109	2.00	6.89		
Total Xylenes*	<0.150	0.150	04/24/2023	ND	6.83	114	6.00	6.36		
Total BTEX	<0.300	0.300	04/24/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	512	16.0	04/25/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/25/2023	ND	202	101	200	3.38	
DRO >C10-C28*	<10.0	10.0	04/25/2023	ND	189	94.4	200	0.532	
EXT DRO >C28-C36	<10.0	10.0	04/25/2023	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/20/2023	Sampling Date:	04/20/2023
Reported:	04/26/2023	Sampling Type:	Soil
Project Name:	HOSS 11 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE- EDDY CO, NM		

Sample ID: CF-010.0-01.0-S (H231938-04)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/24/2023	ND	1.96	97.8	2.00	7.20		
Toluene*	<0.050	0.050	04/24/2023	ND	2.13	107	2.00	6.30		
Ethylbenzene*	<0.050	0.050	04/24/2023	ND	2.19	109	2.00	6.89		
Total Xylenes*	<0.150	0.150	04/24/2023	ND	6.83	114	6.00	6.36		
Total BTEX	<0.300	0.300	04/24/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	04/25/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/25/2023	ND	202	101	200	3.38	
DRO >C10-C28*	<10.0	10.0	04/25/2023	ND	189	94.4	200	0.532	
EXT DRO >C28-C36	<10.0	10.0	04/25/2023	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 123 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/20/2023	Sampling Date:	04/20/2023
Reported:	04/26/2023	Sampling Type:	Soil
Project Name:	HOSS 11 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE- EDDY CO, NM		

Sample ID: CF-013.0-02.0-S (H231938-05)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/24/2023	ND	1.96	97.8	2.00	7.20		
Toluene*	<0.050	0.050	04/24/2023	ND	2.13	107	2.00	6.30		
Ethylbenzene*	<0.050	0.050	04/24/2023	ND	2.19	109	2.00	6.89		
Total Xylenes*	<0.150	0.150	04/24/2023	ND	6.83	114	6.00	6.36		
Total BTEX	<0.300	0.300	04/24/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	04/25/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/25/2023	ND	202	101	200	3.38	
DRO >C10-C28*	<10.0	10.0	04/25/2023	ND	189	94.4	200	0.532	
EXT DRO >C28-C36	<10.0	10.0	04/25/2023	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/20/2023	Sampling Date:	04/20/2023
Reported:	04/26/2023	Sampling Type:	Soil
Project Name:	HOSS 11 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE- EDDY CO, NM		

Sample ID: CF-016.0-02.0-S (H231938-06)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/24/2023	ND	1.96	97.8	2.00	7.20		
Toluene*	<0.050	0.050	04/24/2023	ND	2.13	107	2.00	6.30		
Ethylbenzene*	<0.050	0.050	04/24/2023	ND	2.19	109	2.00	6.89		
Total Xylenes*	<0.150	0.150	04/24/2023	ND	6.83	114	6.00	6.36		
Total BTEX	<0.300	0.300	04/24/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	04/25/2023	ND	416	104	400	3.77	QM-07	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/25/2023	ND	202	101	200	3.38	
DRO >C10-C28*	<10.0	10.0	04/25/2023	ND	189	94.4	200	0.532	
EXT DRO >C28-C36	<10.0	10.0	04/25/2023	ND					

Surrogate: 1-Chlorooctane 93.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/20/2023	Sampling Date:	04/20/2023
Reported:	04/26/2023	Sampling Type:	Soil
Project Name:	HOSS 11 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE- EDDY CO, NM		

Sample ID: CF-017.0-02.0-S (H231938-07)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/24/2023	ND	1.96	97.8	2.00	7.20		
Toluene*	<0.050	0.050	04/24/2023	ND	2.13	107	2.00	6.30		
Ethylbenzene*	<0.050	0.050	04/24/2023	ND	2.19	109	2.00	6.89		
Total Xylenes*	<0.150	0.150	04/24/2023	ND	6.83	114	6.00	6.36		
Total BTX	<0.300	0.300	04/24/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	04/25/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/25/2023	ND	202	101	200	3.38	
DRO >C10-C28*	<10.0	10.0	04/25/2023	ND	189	94.4	200	0.532	
EXT DRO >C28-C36	<10.0	10.0	04/25/2023	ND					

Surrogate: 1-Chlorooctane 92.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/20/2023	Sampling Date:	04/20/2023
Reported:	04/26/2023	Sampling Type:	Soil
Project Name:	HOSS 11 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE- EDDY CO, NM		

Sample ID: CF-018.0-02.0-S (H231938-08)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/24/2023	ND	1.96	97.8	2.00	7.20		
Toluene*	<0.050	0.050	04/24/2023	ND	2.13	107	2.00	6.30		
Ethylbenzene*	<0.050	0.050	04/24/2023	ND	2.19	109	2.00	6.89		
Total Xylenes*	<0.150	0.150	04/24/2023	ND	6.83	114	6.00	6.36		
Total BTEX	<0.300	0.300	04/24/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	384	16.0	04/25/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/25/2023	ND	202	101	200	3.38	
DRO >C10-C28*	<10.0	10.0	04/25/2023	ND	189	94.4	200	0.532	
EXT DRO >C28-C36	<10.0	10.0	04/25/2023	ND					

Surrogate: 1-Chlorooctane 88.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/20/2023	Sampling Date:	04/20/2023
Reported:	04/26/2023	Sampling Type:	Soil
Project Name:	HOSS 11 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE- EDDY CO, NM		

Sample ID: CF-023.0-02.0-S (H231938-09)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/25/2023	ND	1.96	97.8	2.00	7.20		
Toluene*	<0.050	0.050	04/25/2023	ND	2.13	107	2.00	6.30		
Ethylbenzene*	<0.050	0.050	04/25/2023	ND	2.19	109	2.00	6.89		
Total Xylenes*	<0.150	0.150	04/25/2023	ND	6.83	114	6.00	6.36		
Total BTEX	<0.300	0.300	04/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	04/25/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/25/2023	ND	202	101	200	3.38	
DRO >C10-C28*	<10.0	10.0	04/25/2023	ND	189	94.4	200	0.532	
EXT DRO >C28-C36	<10.0	10.0	04/25/2023	ND					

Surrogate: 1-Chlorooctane 90.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	04/20/2023	Sampling Date:	04/20/2023
Reported:	04/26/2023	Sampling Type:	Soil
Project Name:	HOSS 11 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE- EDDY CO, NM		

Sample ID: CW-002.0-00.5-S (H231938-10)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/25/2023	ND	1.96	97.8	2.00	7.20		
Toluene*	<0.050	0.050	04/25/2023	ND	2.13	107	2.00	6.30		
Ethylbenzene*	<0.050	0.050	04/25/2023	ND	2.19	109	2.00	6.89		
Total Xylenes*	<0.150	0.150	04/25/2023	ND	6.83	114	6.00	6.36		
Total BTEX	<0.300	0.300	04/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	04/25/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/25/2023	ND	202	101	200	3.38	
DRO >C10-C28*	<10.0	10.0	04/25/2023	ND	189	94.4	200	0.532	
EXT DRO >C28-C36	<10.0	10.0	04/25/2023	ND					

Surrogate: 1-Chlorooctane 83.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/20/2023	Sampling Date:	04/20/2023
Reported:	04/26/2023	Sampling Type:	Soil
Project Name:	HOSS 11 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE- EDDY CO, NM		

Sample ID: CW-003.0-04.0-S (H231938-11)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/24/2023	ND	1.89	94.4	2.00	10.3		
Toluene*	<0.050	0.050	04/24/2023	ND	2.04	102	2.00	5.66		
Ethylbenzene*	<0.050	0.050	04/24/2023	ND	2.15	107	2.00	11.6		
Total Xylenes*	<0.150	0.150	04/24/2023	ND	6.44	107	6.00	9.98		
Total BTX	<0.300	0.300	04/24/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	04/25/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/25/2023	ND	202	101	200	3.38	
DRO >C10-C28*	<10.0	10.0	04/25/2023	ND	189	94.4	200	0.532	
EXT DRO >C28-C36	<10.0	10.0	04/25/2023	ND					

Surrogate: 1-Chlorooctane 87.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/20/2023	Sampling Date:	04/20/2023
Reported:	04/26/2023	Sampling Type:	Soil
Project Name:	HOSS 11 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE- EDDY CO, NM		

Sample ID: CW-004.0-03.0-S (H231938-12)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/24/2023	ND	1.89	94.4	2.00	10.3		
Toluene*	<0.050	0.050	04/24/2023	ND	2.04	102	2.00	5.66		
Ethylbenzene*	<0.050	0.050	04/24/2023	ND	2.15	107	2.00	11.6		
Total Xylenes*	<0.150	0.150	04/24/2023	ND	6.44	107	6.00	9.98		
Total BTX	<0.300	0.300	04/24/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3400	16.0	04/25/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/25/2023	ND	202	101	200	3.38	
DRO >C10-C28*	<10.0	10.0	04/25/2023	ND	189	94.4	200	0.532	
EXT DRO >C28-C36	<10.0	10.0	04/25/2023	ND					

Surrogate: 1-Chlorooctane 86.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager

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Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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

Caley D. Keene, Lab Director/Quality Manager

Page 15 of 16

Page 16 of 16



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

April 26, 2023

DAN DUNKELBERG

TRINITY OILFIELD SERVICES & RENTALS, LLC

P. O. BOX 2587

HOBBS, NM 88241

RE: HOSS 11 SWD #001

Enclosed are the results of analyses for samples received by the laboratory on 04/21/23 16:15.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/21/2023	Sampling Date:	04/21/2023
Reported:	04/26/2023	Sampling Type:	Soil
Project Name:	HOSS 11 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE- EDDY CO, NM		

Sample ID: CF-021.0-02.0-S (H231968-01)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/25/2023	ND	1.87	93.3	2.00	0.628		
Toluene*	<0.050	0.050	04/25/2023	ND	1.97	98.6	2.00	1.69		
Ethylbenzene*	<0.050	0.050	04/25/2023	ND	2.19	109	2.00	3.87		
Total Xylenes*	<0.150	0.150	04/25/2023	ND	6.67	111	6.00	4.87		
Total BTEX	<0.300	0.300	04/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	04/25/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/25/2023	ND	228	114	200	2.52	
DRO >C10-C28*	<10.0	10.0	04/25/2023	ND	195	97.7	200	3.27	
EXT DRO >C28-C36	<10.0	10.0	04/25/2023	ND					

Surrogate: 1-Chlorooctane 72.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 66.8 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/21/2023
 Reported: 04/26/2023
 Project Name: HOSS 11 SWD #001
 Project Number: NOT GIVEN
 Project Location: MEWBOURNE- EDDY CO, NM

Sampling Date: 04/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-022.0-02.0-S (H231968-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/25/2023	ND	1.87	93.3	2.00	0.628		
Toluene*	<0.050	0.050	04/25/2023	ND	1.97	98.6	2.00	1.69		
Ethylbenzene*	<0.050	0.050	04/25/2023	ND	2.19	109	2.00	3.87		
Total Xylenes*	<0.150	0.150	04/25/2023	ND	6.67	111	6.00	4.87		
Total BTEX	<0.300	0.300	04/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 120 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	04/25/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/25/2023	ND	228	114	200	2.52	
DRO >C10-C28*	<10.0	10.0	04/25/2023	ND	195	97.7	200	3.27	
EXT DRO >C28-C36	<10.0	10.0	04/25/2023	ND					

Surrogate: 1-Chlorooctane 77.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 70.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/21/2023	Sampling Date:	04/21/2023
Reported:	04/26/2023	Sampling Type:	Soil
Project Name:	HOSS 11 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE- EDDY CO, NM		

Sample ID: CF-024.0-02.0-S (H231968-03)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/25/2023	ND	1.87	93.3	2.00	0.628		
Toluene*	<0.050	0.050	04/25/2023	ND	1.97	98.6	2.00	1.69		
Ethylbenzene*	<0.050	0.050	04/25/2023	ND	2.19	109	2.00	3.87		
Total Xylenes*	<0.150	0.150	04/25/2023	ND	6.67	111	6.00	4.87		
Total BTEX	<0.300	0.300	04/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	400	16.0	04/25/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/25/2023	ND	228	114	200	2.52	
DRO >C10-C28*	<10.0	10.0	04/25/2023	ND	195	97.7	200	3.27	
EXT DRO >C28-C36	<10.0	10.0	04/25/2023	ND					

Surrogate: 1-Chlorooctane 77.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 70.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/21/2023	Sampling Date:	04/21/2023
Reported:	04/26/2023	Sampling Type:	Soil
Project Name:	HOSS 11 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE- EDDY CO, NM		

Sample ID: CF-025.0-02.0-S (H231968-04)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/25/2023	ND	1.87	93.3	2.00	0.628		
Toluene*	<0.050	0.050	04/25/2023	ND	1.97	98.6	2.00	1.69		
Ethylbenzene*	<0.050	0.050	04/25/2023	ND	2.19	109	2.00	3.87		
Total Xylenes*	<0.150	0.150	04/25/2023	ND	6.67	111	6.00	4.87		
Total BTEX	<0.300	0.300	04/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	512	16.0	04/25/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/25/2023	ND	228	114	200	2.52	
DRO >C10-C28*	<10.0	10.0	04/25/2023	ND	195	97.7	200	3.27	
EXT DRO >C28-C36	<10.0	10.0	04/25/2023	ND					

Surrogate: 1-Chlorooctane 89.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/21/2023	Sampling Date:	04/21/2023
Reported:	04/26/2023	Sampling Type:	Soil
Project Name:	HOSS 11 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE- EDDY CO, NM		

Sample ID: CF-026.0-01.0-S (H231968-05)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/25/2023	ND	1.87	93.3	2.00	0.628		
Toluene*	<0.050	0.050	04/25/2023	ND	1.97	98.6	2.00	1.69		
Ethylbenzene*	<0.050	0.050	04/25/2023	ND	2.19	109	2.00	3.87		
Total Xylenes*	<0.150	0.150	04/25/2023	ND	6.67	111	6.00	4.87		
Total BTEX	<0.300	0.300	04/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 119 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	416	16.0	04/25/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/25/2023	ND	228	114	200	2.52	
DRO >C10-C28*	<10.0	10.0	04/25/2023	ND	195	97.7	200	3.27	
EXT DRO >C28-C36	<10.0	10.0	04/25/2023	ND					

Surrogate: 1-Chlorooctane 88.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/21/2023	Sampling Date:	04/21/2023
Reported:	04/26/2023	Sampling Type:	Soil
Project Name:	HOSS 11 SWD #001	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE- EDDY CO, NM		

Sample ID: CF-027.0-01.0-S (H231968-06)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/25/2023	ND	1.87	93.3	2.00	0.628		
Toluene*	<0.050	0.050	04/25/2023	ND	1.97	98.6	2.00	1.69		
Ethylbenzene*	<0.050	0.050	04/25/2023	ND	2.19	109	2.00	3.87		
Total Xylenes*	<0.150	0.150	04/25/2023	ND	6.67	111	6.00	4.87		
Total BTEX	<0.300	0.300	04/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 120 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	04/25/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/25/2023	ND	228	114	200	2.52	
DRO >C10-C28*	<10.0	10.0	04/25/2023	ND	195	97.7	200	3.27	
EXT DRO >C28-C36	<10.0	10.0	04/25/2023	ND					

Surrogate: 1-Chlorooctane 81.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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

Celey D. Keene, Lab Director/Quality Manager

Page 9 of 9



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

April 28, 2023

DAN DUNKELBERG

TRINITY OILFIELD SERVICES & RENTALS, LLC

P. O. BOX 2587

HOBBS, NM 88241

RE: HOSS 11 SWD #001

Enclosed are the results of analyses for samples received by the laboratory on 04/25/23 16:22.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/25/2023	Sampling Date:	04/24/2023
Reported:	04/28/2023	Sampling Type:	Soil
Project Name:	HOSS 11 SWD #001	Sampling Condition:	** (See Notes)
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE- EDDY CO, NM		

Sample ID: CF-028.0-01.0-S (H232020-01)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/26/2023	ND	1.97	98.4	2.00	2.08	
Toluene*	<0.050	0.050	04/26/2023	ND	2.00	100	2.00	0.436	
Ethylbenzene*	<0.050	0.050	04/26/2023	ND	2.21	111	2.00	0.840	
Total Xylenes*	<0.150	0.150	04/26/2023	ND	6.80	113	6.00	1.19	
Total BTEX	<0.300	0.300	04/26/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	464	16.0	04/26/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2023	ND	187	93.4	200	1.33	
DRO >C10-C28*	<10.0	10.0	04/26/2023	ND	207	104	200	0.724	
EXT DRO >C28-C36	<10.0	10.0	04/26/2023	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/25/2023
 Reported: 04/28/2023
 Project Name: HOSS 11 SWD #001
 Project Number: NOT GIVEN
 Project Location: MEWBOURNE- EDDY CO, NM

Sampling Date: 04/24/2023
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: CF-029.0-01.0-S (H232020-02)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/26/2023	ND	1.97	98.4	2.00	2.08	
Toluene*	<0.050	0.050	04/26/2023	ND	2.00	100	2.00	0.436	
Ethylbenzene*	<0.050	0.050	04/26/2023	ND	2.21	111	2.00	0.840	
Total Xylenes*	<0.150	0.150	04/26/2023	ND	6.80	113	6.00	1.19	
Total BTX	<0.300	0.300	04/26/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 126 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	04/26/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2023	ND	187	93.4	200	1.33	
DRO >C10-C28*	<10.0	10.0	04/26/2023	ND	207	104	200	0.724	
EXT DRO >C28-C36	<10.0	10.0	04/26/2023	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 04/25/2023
 Reported: 04/28/2023
 Project Name: HOSS 11 SWD #001
 Project Number: NOT GIVEN
 Project Location: MEWBOURNE- EDDY CO, NM

Sampling Date: 04/24/2023
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: CF-030.0-01.0-S (H232020-03)

BTEx 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/26/2023	ND	1.97	98.4	2.00	2.08	
Toluene*	<0.050	0.050	04/26/2023	ND	2.00	100	2.00	0.436	
Ethylbenzene*	<0.050	0.050	04/26/2023	ND	2.21	111	2.00	0.840	
Total Xylenes*	<0.150	0.150	04/26/2023	ND	6.80	113	6.00	1.19	
Total BTEX	<0.300	0.300	04/26/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 139 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	04/26/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2023	ND	187	93.4	200	1.33	
DRO >C10-C28*	<10.0	10.0	04/26/2023	ND	207	104	200	0.724	
EXT DRO >C28-C36	<10.0	10.0	04/26/2023	ND					

Surrogate: 1-Chlorooctane 98.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Analytical Results For:

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

Received:	04/25/2023	Sampling Date:	04/24/2023
Reported:	04/28/2023	Sampling Type:	Soil
Project Name:	HOSS 11 SWD #001	Sampling Condition:	** (See Notes)
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE- EDDY CO, NM		

Sample ID: CF-031.0-01.0-S (H232020-04)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/26/2023	ND	1.97	98.4	2.00	2.08		
Toluene*	<0.050	0.050	04/26/2023	ND	2.00	100	2.00	0.436		
Ethylbenzene*	<0.050	0.050	04/26/2023	ND	2.21	111	2.00	0.840		
Total Xylenes*	<0.150	0.150	04/26/2023	ND	6.80	113	6.00	1.19		
Total BTEx	<0.300	0.300	04/26/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 128 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	04/26/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2023	ND	187	93.4	200	1.33	
DRO >C10-C28*	<10.0	10.0	04/26/2023	ND	207	104	200	0.724	
EXT DRO >C28-C36	<10.0	10.0	04/26/2023	ND					

Surrogate: 1-Chlorooctane 98.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Analytical Results For:

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

Received:	04/25/2023	Sampling Date:	04/24/2023
Reported:	04/28/2023	Sampling Type:	Soil
Project Name:	HOSS 11 SWD #001	Sampling Condition:	** (See Notes)
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE- EDDY CO, NM		

Sample ID: CW-001.0-00.5-S (H232020-05)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/26/2023	ND	1.97	98.4	2.00	2.08	
Toluene*	<0.050	0.050	04/26/2023	ND	2.00	100	2.00	0.436	
Ethylbenzene*	<0.050	0.050	04/26/2023	ND	2.21	111	2.00	0.840	
Total Xylenes*	<0.150	0.150	04/26/2023	ND	6.80	113	6.00	1.19	
Total BTEX	<0.300	0.300	04/26/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 127 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	04/26/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2023	ND	187	93.4	200	1.33	
DRO >C10-C28*	<10.0	10.0	04/26/2023	ND	207	104	200	0.724	
EXT DRO >C28-C36	<10.0	10.0	04/26/2023	ND					

Surrogate: 1-Chlorooctane 86.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	04/25/2023	Sampling Date:	04/24/2023
Reported:	04/28/2023	Sampling Type:	Soil
Project Name:	HOSS 11 SWD #001	Sampling Condition:	** (See Notes)
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE- EDDY CO, NM		

Sample ID: CW-005.0-00.5-S (H232020-06)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/26/2023	ND	1.97	98.4	2.00	2.08		
Toluene*	<0.050	0.050	04/26/2023	ND	2.00	100	2.00	0.436		
Ethylbenzene*	<0.050	0.050	04/26/2023	ND	2.21	111	2.00	0.840		
Total Xylenes*	<0.150	0.150	04/26/2023	ND	6.80	113	6.00	1.19		
Total BTEX	<0.300	0.300	04/26/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 129 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	608	16.0	04/26/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2023	ND	187	93.4	200	1.33	
DRO >C10-C28*	<10.0	10.0	04/26/2023	ND	207	104	200	0.724	
EXT DRO >C28-C36	<10.0	10.0	04/26/2023	ND					

Surrogate: 1-Chlorooctane 96.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Analytical Results For:

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

Received:	04/25/2023	Sampling Date:	04/24/2023
Reported:	04/28/2023	Sampling Type:	Soil
Project Name:	HOSS 11 SWD #001	Sampling Condition:	** (See Notes)
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE- EDDY CO, NM		

Sample ID: CF-032.0-01.0-S (H232020-07)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/26/2023	ND	1.97	98.4	2.00	2.08		
Toluene*	<0.050	0.050	04/26/2023	ND	2.00	100	2.00	0.436		
Ethylbenzene*	<0.050	0.050	04/26/2023	ND	2.21	111	2.00	0.840		
Total Xylenes*	<0.150	0.150	04/26/2023	ND	6.80	113	6.00	1.19		
Total BTEX	<0.300	0.300	04/26/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 131 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	512	16.0	04/26/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2023	ND	187	93.4	200	1.33	
DRO >C10-C28*	<10.0	10.0	04/26/2023	ND	207	104	200	0.724	
EXT DRO >C28-C36	<10.0	10.0	04/26/2023	ND					

Surrogate: 1-Chlorooctane 99.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Analytical Results For:

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

Received:	04/25/2023	Sampling Date:	04/25/2023
Reported:	04/28/2023	Sampling Type:	Soil
Project Name:	HOSS 11 SWD #001	Sampling Condition:	** (See Notes)
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE- EDDY CO, NM		

Sample ID: DH-008.0-01.0-S (H232020-08)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/26/2023	ND	1.97	98.4	2.00	2.08		
Toluene*	<0.050	0.050	04/26/2023	ND	2.00	100	2.00	0.436		
Ethylbenzene*	<0.050	0.050	04/26/2023	ND	2.21	111	2.00	0.840		
Total Xylenes*	<0.150	0.150	04/26/2023	ND	6.80	113	6.00	1.19		
Total BTEX	<0.300	0.300	04/26/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 121 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	04/26/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	04/26/2023	ND	196	97.9	200	2.85		
DRO >C10-C28*	<10.0	10.0	04/26/2023	ND	190	94.9	200	3.05		
EXT DRO >C28-C36	<10.0	10.0	04/26/2023	ND						

Surrogate: 1-Chlorooctane 91.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.0 % 49.1-148

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Analytical Results For:

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

Received: 04/25/2023
 Reported: 04/28/2023
 Project Name: HOSS 11 SWD #001
 Project Number: NOT GIVEN
 Project Location: MEWBOURNE- EDDY CO, NM

Sampling Date: 04/25/2023
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: DH-009.0-01.0-S (H232020-09)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/26/2023	ND	1.97	98.4	2.00	2.08		
Toluene*	<0.050	0.050	04/26/2023	ND	2.00	100	2.00	0.436		
Ethylbenzene*	<0.050	0.050	04/26/2023	ND	2.21	111	2.00	0.840		
Total Xylenes*	<0.150	0.150	04/26/2023	ND	6.80	113	6.00	1.19		
Total BTX	<0.300	0.300	04/26/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 122 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	04/26/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2023	ND	196	97.9	200	2.85	
DRO >C10-C28*	<10.0	10.0	04/26/2023	ND	190	94.9	200	3.05	
EXT DRO >C28-C36	<10.0	10.0	04/26/2023	ND					

Surrogate: 1-Chlorooctane 90.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.3 % 49.1-148

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Analytical Results For:

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

Received:	04/25/2023	Sampling Date:	04/25/2023
Reported:	04/28/2023	Sampling Type:	Soil
Project Name:	HOSS 11 SWD #001	Sampling Condition:	** (See Notes)
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE- EDDY CO, NM		

Sample ID: CF-001.0-06.0-S (H232020-10)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/26/2023	ND	1.97	98.4	2.00	2.08		
Toluene*	<0.050	0.050	04/26/2023	ND	2.00	100	2.00	0.436		
Ethylbenzene*	<0.050	0.050	04/26/2023	ND	2.21	111	2.00	0.840		
Total Xylenes*	<0.150	0.150	04/26/2023	ND	6.80	113	6.00	1.19		
Total BTEx	<0.300	0.300	04/26/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 121 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	04/26/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2023	ND	196	97.9	200	2.85	
DRO >C10-C28*	<10.0	10.0	04/26/2023	ND	190	94.9	200	3.05	
EXT DRO >C28-C36	<10.0	10.0	04/26/2023	ND					

Surrogate: 1-Chlorooctane 94.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/25/2023	Sampling Date:	04/25/2023
Reported:	04/28/2023	Sampling Type:	Soil
Project Name:	HOSS 11 SWD #001	Sampling Condition:	** (See Notes)
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE- EDDY CO, NM		

Sample ID: CF-002.0-12.0-S (H232020-11)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/26/2023	ND	1.97	98.4	2.00	2.08		
Toluene*	<0.050	0.050	04/26/2023	ND	2.00	100	2.00	0.436		
Ethylbenzene*	<0.050	0.050	04/26/2023	ND	2.21	111	2.00	0.840		
Total Xylenes*	<0.150	0.150	04/26/2023	ND	6.80	113	6.00	1.19		
Total BTEX	<0.300	0.300	04/26/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 121 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	04/26/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2023	ND	196	97.9	200	2.85	
DRO >C10-C28*	<10.0	10.0	04/26/2023	ND	190	94.9	200	3.05	
EXT DRO >C28-C36	<10.0	10.0	04/26/2023	ND					

Surrogate: 1-Chlorooctane 91.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	04/25/2023	Sampling Date:	04/25/2023
Reported:	04/28/2023	Sampling Type:	Soil
Project Name:	HOSS 11 SWD #001	Sampling Condition:	** (See Notes)
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE- EDDY CO, NM		

Sample ID: CF-003.0-08.0-S (H232020-12)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/26/2023	ND	1.97	98.4	2.00	2.08		
Toluene*	<0.050	0.050	04/26/2023	ND	2.00	100	2.00	0.436		
Ethylbenzene*	<0.050	0.050	04/26/2023	ND	2.21	111	2.00	0.840		
Total Xylenes*	<0.150	0.150	04/26/2023	ND	6.80	113	6.00	1.19		
Total BTEX	<0.300	0.300	04/26/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 123 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	04/26/2023	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2023	ND	196	97.9	200	2.85	
DRO >C10-C28*	<10.0	10.0	04/26/2023	ND	190	94.9	200	3.05	
EXT DRO >C28-C36	<10.0	10.0	04/26/2023	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	04/25/2023	Sampling Date:	04/25/2023
Reported:	04/28/2023	Sampling Type:	Soil
Project Name:	HOSS 11 SWD #001	Sampling Condition:	** (See Notes)
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE- EDDY CO, NM		

Sample ID: CW-006.0-03.0-S (H232020-13)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/27/2023	ND	1.97	98.4	2.00	2.08		
Toluene*	<0.050	0.050	04/27/2023	ND	2.00	100	2.00	0.436		
Ethylbenzene*	<0.050	0.050	04/27/2023	ND	2.21	111	2.00	0.840		
Total Xylenes*	<0.150	0.150	04/27/2023	ND	6.80	113	6.00	1.19		
Total BTEX	<0.300	0.300	04/27/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 133 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	04/26/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2023	ND	196	97.9	200	2.85	
DRO >C10-C28*	10.9	10.0	04/26/2023	ND	190	94.9	200	3.05	
EXT DRO >C28-C36	<10.0	10.0	04/26/2023	ND					

Surrogate: 1-Chlorooctane 88.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	04/25/2023	Sampling Date:	04/25/2023
Reported:	04/28/2023	Sampling Type:	Soil
Project Name:	HOSS 11 SWD #001	Sampling Condition:	** (See Notes)
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE- EDDY CO, NM		

Sample ID: CW-007.0-06.0-S (H232020-14)

BTEx 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/27/2023	ND	1.97	98.4	2.00	2.08	
Toluene*	<0.050	0.050	04/27/2023	ND	2.00	100	2.00	0.436	
Ethylbenzene*	<0.050	0.050	04/27/2023	ND	2.21	111	2.00	0.840	
Total Xylenes*	<0.150	0.150	04/27/2023	ND	6.80	113	6.00	1.19	
Total BTEX	<0.300	0.300	04/27/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 136 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	04/26/2023	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2023	ND	196	97.9	200	2.85	
DRO >C10-C28*	<10.0	10.0	04/26/2023	ND	190	94.9	200	3.05	
EXT DRO >C28-C36	<10.0	10.0	04/26/2023	ND					

Surrogate: 1-Chlorooctane 86.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	04/25/2023	Sampling Date:	04/25/2023
Reported:	04/28/2023	Sampling Type:	Soil
Project Name:	HOSS 11 SWD #001	Sampling Condition:	** (See Notes)
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE- EDDY CO, NM		

Sample ID: CW-008.0-03.0-S (H232020-15)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/27/2023	ND	1.97	98.4	2.00	2.08		
Toluene*	<0.050	0.050	04/27/2023	ND	2.00	100	2.00	0.436		
Ethylbenzene*	<0.050	0.050	04/27/2023	ND	2.21	111	2.00	0.840		
Total Xylenes*	<0.150	0.150	04/27/2023	ND	6.80	113	6.00	1.19		
Total BTEX	<0.300	0.300	04/27/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 130 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	04/26/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2023	ND	196	97.9	200	2.85	
DRO >C10-C28*	10.1	10.0	04/26/2023	ND	190	94.9	200	3.05	
EXT DRO >C28-C36	<10.0	10.0	04/26/2023	ND					

Surrogate: 1-Chlorooctane 86.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/25/2023	Sampling Date:	04/25/2023
Reported:	04/28/2023	Sampling Type:	Soil
Project Name:	HOSS 11 SWD #001	Sampling Condition:	** (See Notes)
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE- EDDY CO, NM		

Sample ID: CW-009.0-04.0-S (H232020-16)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/27/2023	ND	1.97	98.4	2.00	2.08		
Toluene*	<0.050	0.050	04/27/2023	ND	2.00	100	2.00	0.436		
Ethylbenzene*	<0.050	0.050	04/27/2023	ND	2.21	111	2.00	0.840		
Total Xylenes*	<0.150	0.150	04/27/2023	ND	6.80	113	6.00	1.19		
Total BTEX	<0.300	0.300	04/27/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 133 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	04/26/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	04/26/2023	ND	196	97.9	200	2.85		
DRO >C10-C28*	<10.0	10.0	04/26/2023	ND	190	94.9	200	3.05		
EXT DRO >C28-C36	<10.0	10.0	04/26/2023	ND						

Surrogate: 1-Chlorooctane 79.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	04/25/2023	Sampling Date:	04/25/2023
Reported:	04/28/2023	Sampling Type:	Soil
Project Name:	HOSS 11 SWD #001	Sampling Condition:	** (See Notes)
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE- EDDY CO, NM		

Sample ID: CW-010.0-03.0-S (H232020-17)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/27/2023	ND	1.97	98.4	2.00	2.08		
Toluene*	<0.050	0.050	04/27/2023	ND	2.00	100	2.00	0.436		
Ethylbenzene*	<0.050	0.050	04/27/2023	ND	2.21	111	2.00	0.840		
Total Xylenes*	<0.150	0.150	04/27/2023	ND	6.80	113	6.00	1.19		
Total BTEX	<0.300	0.300	04/27/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 133 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	04/26/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	04/26/2023	ND	201	101	200	1.16		
DRO >C10-C28*	<10.0	10.0	04/26/2023	ND	181	90.6	200	2.00		
EXT DRO >C28-C36	<10.0	10.0	04/26/2023	ND						

Surrogate: 1-Chlorooctane 95.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager

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Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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

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	
Company Name: Trinity Oilfield Services				BILL TO	
Project Manager: Dan Dunkelberg				P.O. #:	
Address: 8426 N Dal Paso				Company: Mewbourne Oil Co.	
City: Hobbs				Attn: Corner Walker	
State: NM Zip: 88241				Address:	
Phone #:				City:	
Project #:				State:	
Project Name: Hoss 11 SWD #001				Zip:	
Project Location: Eddy Co., NM				Phone #:	
Sample Name: gm				Fax #:	
<small>FOR LAB USE ONLY</small>					
Lab I.D.		Sample I.D.		DATE	
H333030		1		4/24/2023	
		2		4/24/2023	
		3		4/24/2023	
		4		4/24/2023	
		5		4/24/2023	
		6		4/24/2023	
		7		4/25/2023	
		8		4/25/2023	
		9		4/25/2023	
		10		4/25/2023	
		11		4/25/2023	
		12		4/25/2023	
		13		4/25/2023	
		14		4/25/2023	
		15		4/25/2023	
		16		4/25/2023	
		17		4/25/2023	
		18		4/25/2023	
		19		4/25/2023	
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[illegible]

Incident ID	
District RP	
Facility ID	
Application ID	


Closure

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

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

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

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

Printed Name: Connor Walker Title: Sr. Engineer
Signature:  Date: 06/22/2023
email: cwalker@mewbourne.com Telephone: 806-202-5281

OCD Only

Received by: Shelly Wells Date: 6/23/2023

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

Incident ID	NAPP2309648281
District RP	
Facility ID	
Application ID	

Remediation Plan


Remediation Plan Checklist: *Each of the following items must be included in the plan.*

- ☐ Detailed description of proposed remediation technique
- ☐ Scaled sitemap with GPS coordinates showing delineation points
- ☐ Estimated volume of material to be remediated
- ☐ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☐ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: *Each of the following items must be confirmed as part of any request for deferral of remediation.*

- ☒ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- ☒ Extents of contamination must be fully delineated.
- ☒ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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

Printed Name: Connor Walker Title: Sr. Engineer
Signature:  Date: 06/22/2023
email: cwalker@mewbourne.com Telephone: 806-202-5281

OCD Only

Received by: Shelly Wells Date: 6/23/2023

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: _____ Date: _____

Incident ID	NAPP2309648281
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	NA (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: *Each of the following items must be included in the report.*

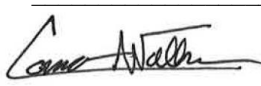
- ☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☐ Field data
- ☒ Data table of soil contaminant concentration data
- ☒ Depth to water determination
- ☒ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☐ Boring or excavation logs
- ☒ Photographs including date and GIS information
- ☒ Topographic/Aerial maps
- ☒ Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2309648281
District RP	
Facility ID	
Application ID	

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

Printed Name: Connor Walker Title: Sr. Engineer
Signature:  Date: 06/22/2023
email: cwalker@mewbourne.com Telephone: 806-202-5281

OCD Only

Received by: Shelly Wells Date: 6/23/2023

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 Department

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	NAPP2309648281
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	Mewbourne Oil Company	OGRID	14744
Contact Name	Connor Walker	Contact Telephone	806-202-5281
Contact email	cwalker@mewbourne.com	Incident # (assigned by OCD)	nAPP2309648281
Contact mailing address	4801 Business Park Blvd, Hobbs, NM 88240		

Location of Release Source

Latitude 32.151553 _____ Longitude -104.050179 _____
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Hoss 11 SWD #1	Site Type	Battery
Date Release Discovered	3/28/2023	API# (if applicable)	30-015-44666

Unit Letter	Section	Township	Range	County
A	11	25S	28E	Eddy

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☒ Private (Name: Joy Cooksey _____)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 675	Volume Recovered (bbls) 600
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)


Cause of Release
A fuse on a poly connection failed and came apart.

Incident ID	NAPP2309648281
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release? The release was greater than 25 bbls.
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Notice was given by Connor Walker to ocd.enviro@state.nm.us on 3/29/2023 @ 6:26 PM via email.	

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

<input checked="" type="checkbox"/> The source of the release has been stopped.	
<input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment.	
<input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.	
<input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: <u>Connor Walker</u>	Title: <u>Sr. Engineer</u>
Signature: 	Date: <u>4/4/2023</u>
email: <u>cwalker@mewbourne.com</u>	Telephone: <u>806-202-5281</u>
<u>OCD Only</u>	
Received by: <u>Jocelyn Harimon</u>	Date: <u>04/06/2023</u>



Dan Dunkelberg <dan@trinityoilfieldservices.com>

Confirmation Sample Notification - NAPP2309648281 HOSS 11 SWD #1

2 messages

Dan Dunkelberg <dan@trinityoilfieldservices.com>

Thu, Apr 6, 2023 at 1:28 PM

To: OCD.Enviro@emnrd.nm.gov

Cc: Connor Walker <cwalker@mewbourne.com>, Jeff Broom <jbroom@mewbourne.com>, Josh Halcomb <josh@trinityoilfieldservices.com>

This is a notification that Trinity Oilfield Services will conduct confirmation sampling on behalf of Mewbourne Oil Company at the above referenced site on Tuesday, April 11, 2023, at 8:00 a.m.

Dan Dunkelberg
Environmental Regulatory Manager



Trinity Oilfield Services & Rentals, LLC
Cell: (575) 602-2403

Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>

Mon, Apr 10, 2023 at 10:05 AM

To: Dan Dunkelberg <dan@trinityoilfieldservices.com>

Cc: "Bratcher, Michael, EMNRD" <mike.bratcher@emnrd.nm.gov>, "Hamlet, Robert, EMNRD" <Robert.Hamlet@emnrd.nm.gov>

Dan,

Thank you for the notification. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

JH

Jocelyn Harimon • Environmental Specialist

Environmental Bureau

EMNRD - Oil Conservation Division

1220 South St. Francis Drive | Santa Fe, NM 87505

(505)469-2821 | Jocelyn.Harimon@emnrd.nm.gov[http:// www.emnrd.nm.gov](http://www.emnrd.nm.gov)

From: Dan Dunkelberg <dan@trinityoilfieldservices.com>

Sent: Thursday, April 6, 2023 1:28 PM

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To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Received by V. Oiler 6/23/2023 1:08:10 PM
<jbroom@mewbourne.com>; Jeff Broom <jbroom@mewbourne.com>; Josh Halcomb <josh@trinityoilfield.com>
Page 106 of 132

Subject: [EXTERNAL] Confirmation Sample Notification - NAPP2309648281 HOSS 11 SWD #1

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This is a notification that Trinity Oilfield Services will conduct confirmation sampling on behalf of Mewbourne Oil Company at the above referenced site on Tuesday, April 11, 2023, at 8:00 a.m.

Dan Dunkelberg

Environmental Regulatory Manager

[Redacted]

[Quoted text hidden]

Trinity Oilfield Services & Rentals, LLC



June 22nd, 2023

Oil Conservation Division, District II
811 South First Street,
Artesia, New Mexico 88210

Re: **Closure Request**
Hoss 11 SWD #1
Tracking #: NAPP2309648281

Trinity Oilfield Services (Trinity), on behalf of Mewbourne Oil Co., hereby submits the following Closure Request in response to a release that occurred at the above-referenced location, and further described below.

Site Information	
Incident ID	NAPP2309648281
Site Name	Hoss 11 SWD #1
Company	Mewbourne Oil Co.
County	Eddy
ULSTR	A-11-25S-28E
GPS Coordinates (NAD 83)	32.151553,-104.050179
Landowner	Private

RELEASE BACKGROUND

On 4/6/2023, Mewbourne Oil Co. reported a release at the Hoss 11 SWD #1. The release was caused when a fuse on poly connection failed and came apart. Approximately 6,364 sqft. of the Pad was found to be affected by the release.

Release Information	
Date of Release	3/28/2023
Type of Release	Produced Water
Source of Release	Equipment Failure
Volume Released – Produced Water	675 bbls
Volume Recovered – Produced Water	600 bbls
Volume Released – Crude Oil	0 bbls
Volume Recovered – Crude Oil	0 bbls
Affected Area – Affected Soil	Pad - Approximately 6,364 sqft.
Site Location Map	Attached

SITE CHARACTERIZATION AND CLOSURE CRITERIA**Depth to Groundwater/Wellhead Protection:**

Data Source	Well Number	Data Date	Depth (ft.)
NM OSE	NA	NA	NA
USGS	NA	NA	NA
Soil Bore	NA	NA	NA

A search of the groundwater well databases maintained by the New Mexico Office of the State Engineer (NMOSE) and the United States Geological Survey (USGS) was conducted to determine if any registered groundwater wells are located within a $\frac{1}{2}$ mile of the release site. The search revealed that Zero (0) wells occurred in the databases that meet the NMOCD criteria for the age of data, the distance of the data point well from the release point, and a data point well having a diagram of construction.

General Site Characterization:

Site Assessment	
Karst Potential	High
Distance to Watercourse	> 1,000 ft.
Within 100 yr Floodplain	No
Pasture Impact	No

A risk-based site assessment/characterization was performed following the New Mexico Oil Conservation Division (NMOCD) Rule (Title 19 Chapter 15 Part 29) for releases on oil and gas development and production in New Mexico (effective August 14, 2018). To summarize the site assessment/characterization evaluation, the affected area has High potential for cave and karst, and no other receptors (residence, school, hospital, institution, church, mining, municipal, or other ordinance boundaries) were located within the regulatorily promulgated distances from the site.

Closure Criteria:

On-Site & Off-Site 4ft bgs Recommended Remedial Action Levels (RRALs)	
Chlorides	600 mg/kg
TPH (GRO and DRO and MRO)	100 mg/kg
TPH (GRO and DRO)	NA
BTEX	50 mg/kg
Benzene	10 mg/kg

A reclamation standard of 600 mg/kg chloride and 100 mg/kg TPH was applied to the top four feet of the pasture area if impacted by the release, per NMAC 19.15.29.13.D (1) for the top four feet of areas that will be reclaimed following remediation.

REQUEST FOR DEFERRAL

Per the requirements of 19.15.29.12C (1) & (2) Trinity, on behalf of Mewbourne Oil Co., requests a deferral at the Hoss 11 SWD #1. The contamination area has been fully delineated to meet NMOCD remediation standards.

Existing infrastructure hinders the execution of complete horizontal (Remediation Walls) remediation, specifically CW-004 and CW-005. Full horizontal remediation and reclamation of the site will be in accordance with 19.15.29.12 and 19.15.29.13 NMAC once deconstruction of infrastructure occurs. The current condition of the release area does not cause an imminent risk to human health, the environment, or groundwater.

INITIAL ASSESSMENT AND REMEDIATION ACTIVITIES**Initial Sample Activities:**

Delineation Summary	
Delineation Dates	04/10/2023 - 04/25/2023
Depths Sampled	0' - 8'
Delineation Map	Attached
Laboratory Results	Table 1

All soil samples were placed into laboratory-supplied glassware, labeled, and maintained on ice until delivery to an NMOCD-approved laboratory (Cardinal Laboratories of Hobbs, NM) for the analysis of chloride using Method SM4500 Cl-B, Benzene, Toluene, Ethylbenzene, and Xylenes (BTEX) by EPA Method 8021 B and Total Petroleum Hydrocarbon (TPH) constituents the by EPA 8015M.

Confirmation Activities:

Remediation Summary	
Remediation Dates	04/13/2023 - 04/25/2023
Workplan Approval	At Risk
Confirmation Sample Notification	04/06/2023
Liner Variance Request	None
Deferral Request	Yes
Depths Excavated	1' - 12'
Area Represented by the required 5-point Confirmation Samples – Floors and Walls	200 sqft.
Total Volume of Excavated Soil	643 yards
Remediation Map	Attached
Laboratory Results	Table 2

Impacted soil within the release margins was excavated and temporarily stockpiled on-site on a 6-mil plastic sheeting, pending final disposition. Unless a Variance Request has been approved, all Floor and On-Site Walls of the excavated area were advanced until laboratory analytical results from confirmation soil samples indicate Chloride, Benzene, BTEX, and TPH concentrations are below the RRAL NMOCD Closure Criteria listed in the Table above, and all Off-Site Walls were advanced to meet reclamation standards. Confirmation soil samples (five-point composites representing no more than 200 sqft. of the excavated area) were collected from the floor and sidewalls.

Upon receiving laboratory analytical data showing that confirmation soil samples from the excavated areas yield results below the selected NMOCD Table 1 Closure Criteria; the impacted soil was transported under manifest to an NMOCD-approved disposal facility and the excavated area was backfilled with locally sourced, non-impacted "like" material.

SITE RECLAMATION AND RESTORATION

Areas affected by the release and the associated remediation activities were restored to a condition that existed before the release to the extent practicable. The affected area was contoured and/or compacted to provide erosion control, stability, and preservation of surface water flow. Affected areas not on production pads and/or lease roads will be reseeded with a prescribed BLM, NMSLO, and/or Private Landowner requested seed mixture during the first favorable growing season following the closure of the site by the applicable regulatory agency.

REQUEST FOR CLOSURE

Supporting Documentation	
C-141 page 6	Signed and Attached
Delineation and Remediation Maps	Attached
Depth to Groundwater Maps and Source	Attached
US NWI Map	Attached
FEMA Flood Hazard Map	Attached
USDA Soil Survey	Attached
Site Photography	Attached
Laboratory Analytics with COCs	Attached

The site has been remediated to meet the standards of Table I of 19.15.29.12 NMAC; therefore, Trinity Oilfield Services respectfully requests that the New Mexico Oil Conservation Division grant closure approval for the referenced release.

Sincerely,



Dan Dunkelberg
Project Manager



Cynthia Jordan
Project Scientist

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

MEWBOURNE OIL CO
HOSS 11 SWD #1
EDDY COUNTY, NEW MEXICO
NMOCD REFERENCE #: NAPP2309648281

SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	VERTICAL/ HORIZONTAL	OFF-SITE/ ON-SITE	SAMPLE TYPE	SOIL STATUS	CHLORIDE (mg/Kg)	TPH C6-C36 (mg/Kg)	GRO+ DRO (mg/kg)	GRO C6-C10 (mg/Kg)	DRO C10-C28 (mg/Kg)	MRO C28-C36 (mg/Kg)	TOTAL BTEX (mg/Kg)	BENZENE (mg/Kg)
NMOCD Closure Limits Pad							600	100	NE	NE	NE	NE	50	10
NMOCD Closure Limits Pasture to 4'							600	100	NE	NE	NE	NE	50	10
Vertical Delineation														
DV-001.0-00.0-S	0	4/10/2023	Vertical	On-Site	Grab	In-Situ	47200	12.6	12.6	<10.0	12.6	<10.0	<0.300	<0.050
DV-001.0-01.0-S	1	4/10/2023	Vertical	On-Site	Grab	In-Situ	336	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
DV-001.0-02.0-S	2	4/10/2023	Vertical	On-Site	Grab	In-Situ	528	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
DV-002.0-00.0-S	0	4/10/2023	Vertical	On-Site	Grab	In-Situ	34000	102.7	80.7	<10.0	80.7	22	<0.300	<0.050
DV-002.0-01.0-S	1	4/10/2023	Vertical	On-Site	Grab	In-Situ	2840	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
DV-002.0-02.0-S	2	4/10/2023	Vertical	On-Site	Grab	In-Situ	416	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
DV-003.0-00.0-S	0	4/10/2023	Vertical	On-Site	Grab	In-Situ	54400	787	608	<10.0	608	179	<0.300	<0.050
DV-003.0-02.0-S	2	4/10/2023	Vertical	On-Site	Grab	In-Situ	80.0	11.8	<10.0	<10.0	<10.0	11.8	<0.300	<0.050
DV-004.0-00.0-S	0	4/10/2023	Vertical	On-Site	Grab	In-Situ	11700	35.2	35.2	<10.0	35.2	<10.0	<0.300	<0.050
DV-004.0-01.0-S	1	4/10/2023	Vertical	On-Site	Grab	In-Situ	592	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
DV-005.0-00.0-S	0	4/10/2023	Vertical	On-Site	Grab	In-Situ	38800	1723.2	1466.2	16.2	1450	257	<0.300	<0.050
DV-005.0-03.0-S	3	4/10/2023	Vertical	On-Site	Grab	In-Situ	560	23.8	12.8	<10.0	12.8	11	<0.300	<0.050
DV-006.0-00.0-S	0	4/10/2023	Vertical	On-Site	Grab	In-Situ	52000	7592	6598	518	6080	994	17.7	0.105
DV-006.0-04.0-S	4	4/10/2023	Vertical	On-Site	Grab	In-Situ	2600	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
DV-006.0-06.0-S	6	4/10/2023	Vertical	On-Site	Grab	In-Situ	528	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
DV-006.0-08.0-S	8	4/13/2023	Vertical	On-Site	Grab	In-Situ	480	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
DV-007.0-00.0-S	0	4/10/2023	Vertical	On-Site	Grab	In-Situ	14700	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
DV-007.0-04.0-S	4	4/10/2023	Vertical	On-Site	Grab	In-Situ	1660	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
DV-007.0-05.0-S	5	4/10/2023	Vertical	On-Site	Grab	In-Situ	656	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
DV-007.0-06.0-S	6	4/13/2023	Vertical	On-Site	Grab	In-Situ	384	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
Horizontal Delineation														
DH-001.0-01.0-S	1	4/10/2023	Horizontal	On-Site	Grab	In-Situ	320	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
DH-002.0-01.0-P	1	4/10/2023	Horizontal	Off-Site	Grab	In-Situ	160	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
DH-003.0-01.0-S	1	4/10/2023	Horizontal	On-Site	Grab	In-Situ	208	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
DH-004.0-01.0-S	1	4/10/2023	Horizontal	On-Site	Grab	In-Situ	112	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
DH-005.0-01.0-S	1	4/10/2023	Horizontal	On-Site	Grab	In-Situ	48.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
DH-006.0-01.0-S	1	4/10/2023	Horizontal	On-Site	Grab	In-Situ	80.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
DH-007.0-01.0-S	1	4/10/2023	Horizontal	On-Site	Grab	In-Situ	176	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
DH-008.0-01.0-S	1	4/10/2023	Horizontal	On-Site	Grab	In-Situ	640	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
DH-008.0-01.0-S	1	4/25/2023	Horizontal	On-Site	Grab	In-Situ	112	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
DH-009.0-01.0-S	1	4/10/2023	Horizontal	On-Site	Grab	In-Situ	640	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
DH-009.0-01.0-S	1	4/25/2023	Horizontal	On-Site	Grab	In-Situ	80.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0

TABLE 2
CONCENTRATIONS OF BENZENE, BTEX, TPH & CHLORIDE IN SOIL

MEWBOURNE OIL CO
HOSS 11 SWD #1
EDDY COUNTY, NEW MEXICO
NMOCD REFERENCE #: NAPP2309648281

SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	FLOOR/WALL	OFF-SITE/ON-SITE	SAMPLE TYPE	SOIL STATUS	CHLORIDE (mg/Kg)	TPH C6-C36 (mg/Kg)	GRO+ DRO (mg/kg)	GRO C6-C10 (mg/Kg)	DRO C10-C28 (mg/Kg)	MRO C28-C36 (mg/Kg)	TOTAL BTEX (mg/Kg)	BENZENE (mg/Kg)
NMOCD Closure Limits Pad							600	100	NE	NE	NE	NE	50	10
NMOCD Closure Limits Pasture to 4'							600	100	NE	NE	NE	NE	50	10
Remediation Floors														
CF-001.0-06.0-S	6	4/25/2023	Floor	On-Site	Composite	In-Situ	352	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-002.0-09.0-S	9	4/13/2023	Floor	On-Site	Composite	Excavated	896	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-002.0-12.0-S	12	4/25/2023	Floor	On-Site	Composite	In-Situ	304	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-003.0-07.0-S	7	4/13/2023	Floor	On-Site	Composite	Excavated	656	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-003.0-08.0-S	8	4/25/2023	Floor	On-Site	Composite	In-Situ	320	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-004.0-05.0-S	5	4/20/2023	Floor	On-Site	Composite	In-Situ	112	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-005.0-03.0-S	3	4/13/2023	Floor	On-Site	Composite	Excavated	624	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-005.0-05.0-S	5	4/20/2023	Floor	On-Site	Composite	In-Situ	96.0	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-006.0-08.0-S	8	4/20/2023	Floor	On-Site	Composite	In-Situ	512	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-007.0-01.0-S	1	4/18/2023	Floor	On-Site	Composite	In-Situ	176	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-008.0-01.0-S	1	4/18/2023	Floor	On-Site	Composite	In-Situ	192	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-009.0-01.0-S	1	4/18/2023	Floor	On-Site	Composite	In-Situ	160	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-010.0-01.0-S	1	4/20/2023	Floor	On-Site	Composite	In-Situ	192	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-011.0-01.0-S	1	4/18/2023	Floor	On-Site	Composite	In-Situ	256	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-012.0-01.0-S	1	4/19/2023	Floor	On-Site	Composite	In-Situ	240	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-013.0-02.0-S	2	4/20/2023	Floor	On-Site	Composite	In-Situ	144	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-014.0-02.0-S	2	4/18/2023	Floor	On-Site	Composite	In-Situ	160	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-015.0-02.0-S	2	4/19/2023	Floor	On-Site	Composite	In-Situ	96.0	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-016.0-02.0-S	2	4/20/2023	Floor	On-Site	Composite	In-Situ	112	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-017.0-02.0-S	2	4/20/2023	Floor	On-Site	Composite	In-Situ	96.0	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-018.0-02.0-S	2	4/20/2023	Floor	On-Site	Composite	In-Situ	384	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-019.0-02.0-S	2	4/19/2023	Floor	On-Site	Composite	In-Situ	64.0	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-020.0-02.0-S	2	4/19/2023	Floor	On-Site	Composite	In-Situ	112	20.5	20.5	<10.0	20.5	<10.0	<.300	<0.50
CF-021.0-02.0-S	2	4/21/2023	Floor	On-Site	Composite	In-Situ	208	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-022.0-02.0-S	2	4/21/2023	Floor	On-Site	Composite	In-Situ	320	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-023.0-02.0-S	2	4/20/2023	Floor	On-Site	Composite	In-Situ	224	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-024.0-02.0-S	2	4/21/2023	Floor	On-Site	Composite	In-Situ	400	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-025.0-02.0-S	2	4/21/2023	Floor	On-Site	Composite	In-Situ	512	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-026.0-01.0-S	1	4/21/2023	Floor	On-Site	Composite	In-Situ	416	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-027.0-01.0-S	1	4/21/2023	Floor	On-Site	Composite	In-Situ	304	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-028.0-01.0-S	1	4/24/2023	Floor	On-Site	Composite	In-Situ	464	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-029.0-01.0-S	1	4/24/2023	Floor	On-Site	Composite	In-Situ	448	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-030.0-01.0-S	1	4/24/2023	Floor	On-Site	Composite	In-Situ	352	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-031.0-01.0-S	1	4/24/2023	Floor	On-Site	Composite	In-Situ	320	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-032.0-01.0-S	1	4/24/2023	Floor	On-Site	Composite	In-Situ	512	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
Remediation Floors														
CW-001.0-00.5-S	0.5	4/24/2023	Wall	On-Site	Composite	In-Situ	192	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50

TABLE 2
CONCENTRATIONS OF BENZENE, BTEX, TPH & CHLORIDE IN SOIL

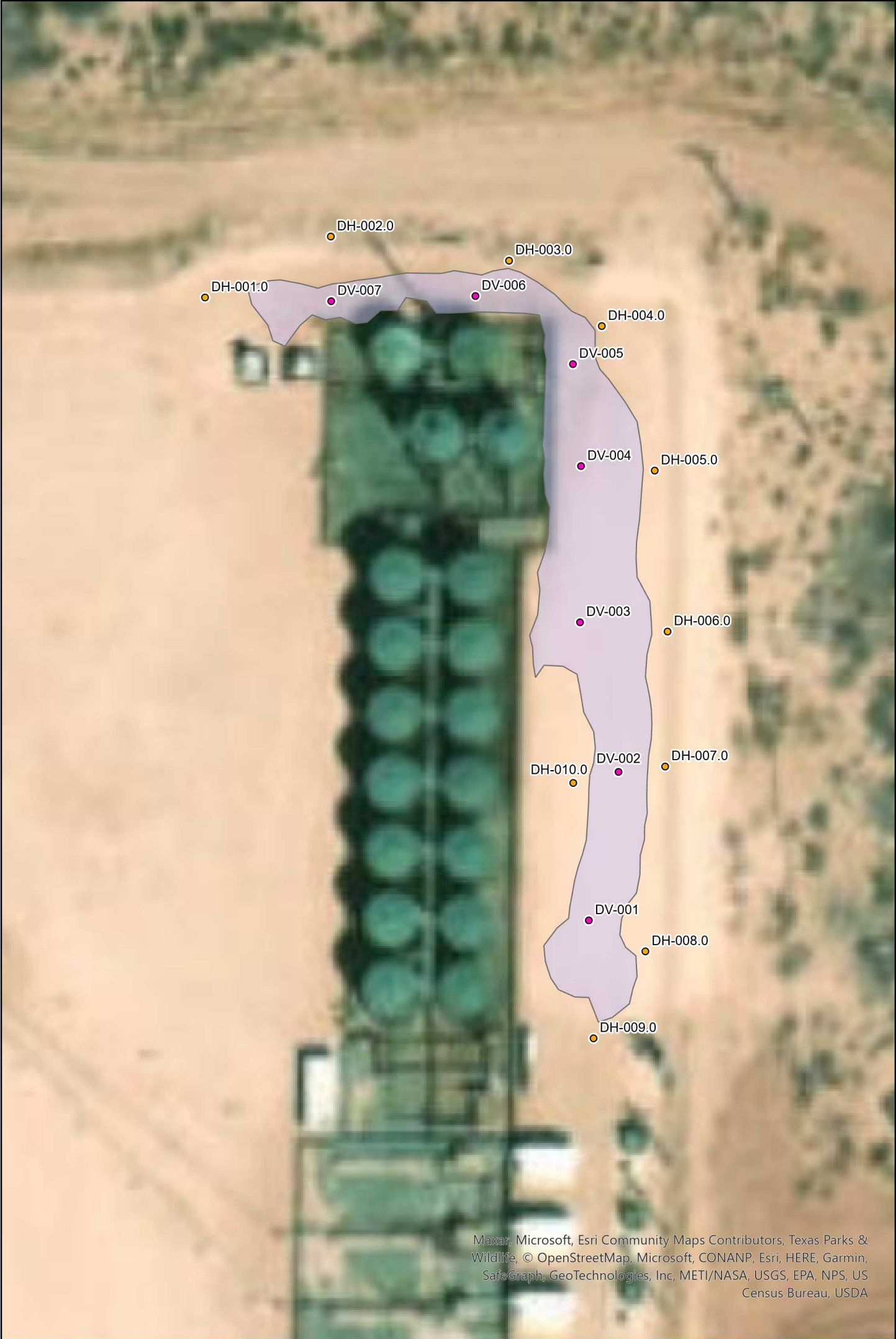
MEWBOURNE OIL CO
HOSS 11 SWD #1
EDDY COUNTY, NEW MEXICO
NMOCD REFERENCE #: NAPP2309648281

SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	FLOOR/ WALL	OFF-SITE/ ON-SITE	SAMPLE TYPE	SOIL STATUS	CHLORIDE (mg/Kg)	TPH C6-C36 (mg/Kg)	GRO+ DRO (mg/kg)	GRO C6-C10 (mg/Kg)	DRO C10-C28 (mg/Kg)	MRO C28-C36 (mg/Kg)	TOTAL BTEX (mg/Kg)	BENZENE (mg/Kg)
NMOCD Closure Limits Pad							600	100	NE	NE	NE	NE	50	10
NMOCD Closure Limits Pasture to 4'							600	100	NE	NE	NE	NE	50	10
CW-002.0-00.5-S	0.5	4/20/2023	Wall	On-Site	Composite	In-Situ	176	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CW-003.0-04.0-S	4	4/20/2023	Wall	On-Site	Composite	In-Situ	80.0	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CW-004.0-03.0-S	3	4/20/2023	Wall	On-Site	Composite	In-Situ	3400	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CW-005.0-00.5-S	0.5	4/24/2023	Wall	On-Site	Composite	In-Situ	608	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CW-006.0-03.0-S	3	4/25/2023	Wall	On-Site	Composite	In-Situ	176	10.9	10.9	<10.0	10.9	<10.0	<.300	<0.50
CW-007.0-06.0-S	6	4/25/2023	Wall	On-Site	Composite	In-Situ	176	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CW-008.0-03.0-S	3	4/25/2023	Wall	On-Site	Composite	In-Situ	208	10.1	10.1	<10.0	10.1	<10.0	<.300	<0.50
CW-009.0-04.0-S	4	4/25/2023	Wall	On-Site	Composite	In-Situ	160	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CW-010.0-03.0-S	3	4/25/2023	Wall	On-Site	Composite	In-Situ	240	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50

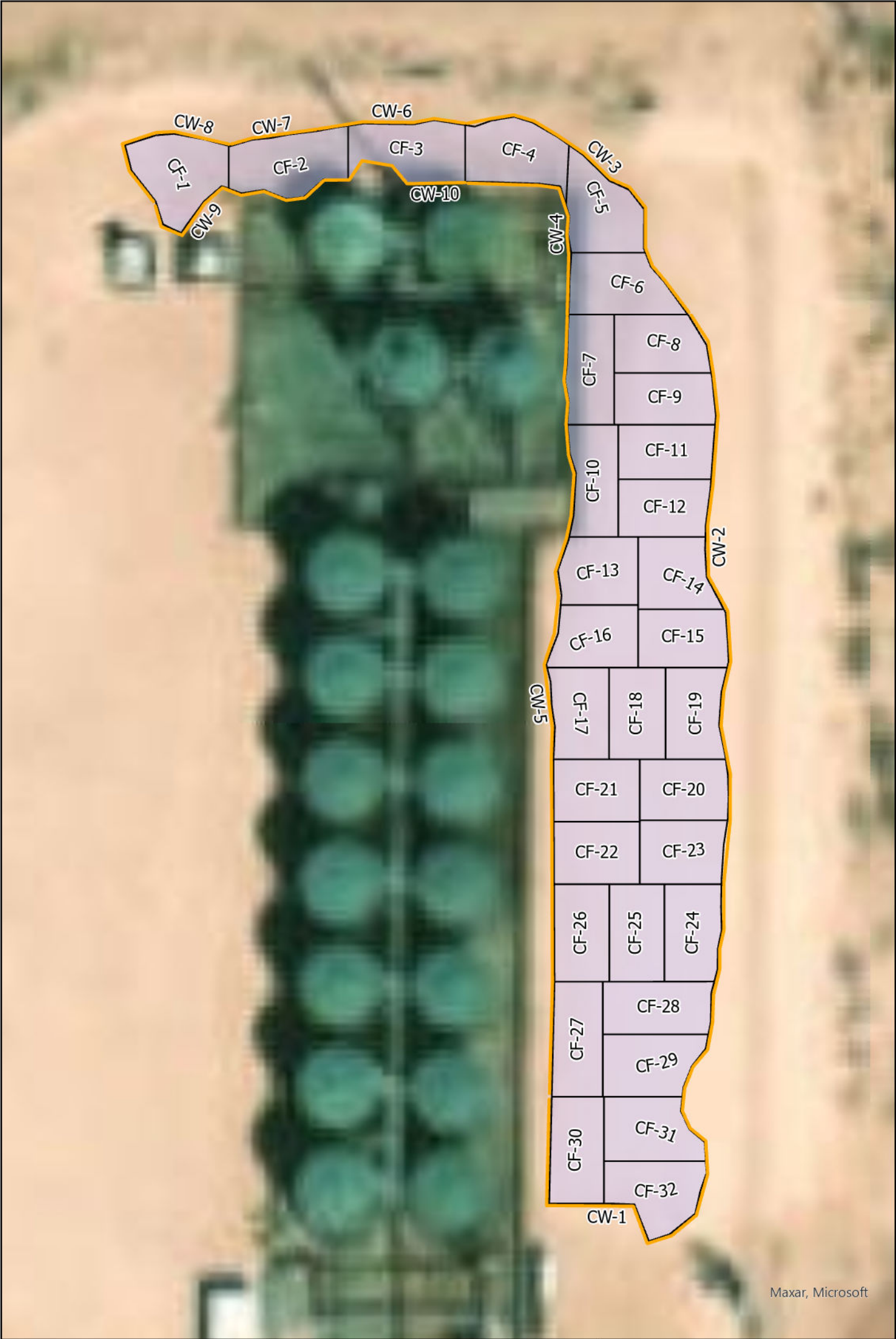


**Site Location Map
Mewbourne Oil Co.
Hoss 11 SWD #1
Eddy County, New Mexico
32.15208,-104.04992
NMOCD Reference # NAPP2309648281**





<p>Legend</p> <ul style="list-style-type: none">Vertical DelineationHorizontal DelineationRelease Area	<p>Delineation Map Mewbourne Oil Co. Hoss 11 SWD #1 Eddy County, New Mexico 32.151553,-104.050179 NMOCD Reference # NAPP2309648281</p>	<p>0 15 30 60 Feet</p> <p> TRINITY OILFIELD SERVICES</p> <p>N</p>
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<p>Legend:</p> <ul style="list-style-type: none">Remediation WallRemediation FloorExcavation Area	<p>Remediation Map Mewbourne Oil Co. Hoss 11 SWD #1 Eddy County, New Mexico 32.151553,-104.050179 NMOCD Reference # NAPP2309648281</p>	<div><div>0102040 Feet</div><div></div></div>
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Initial Release

Pad:



Pad:





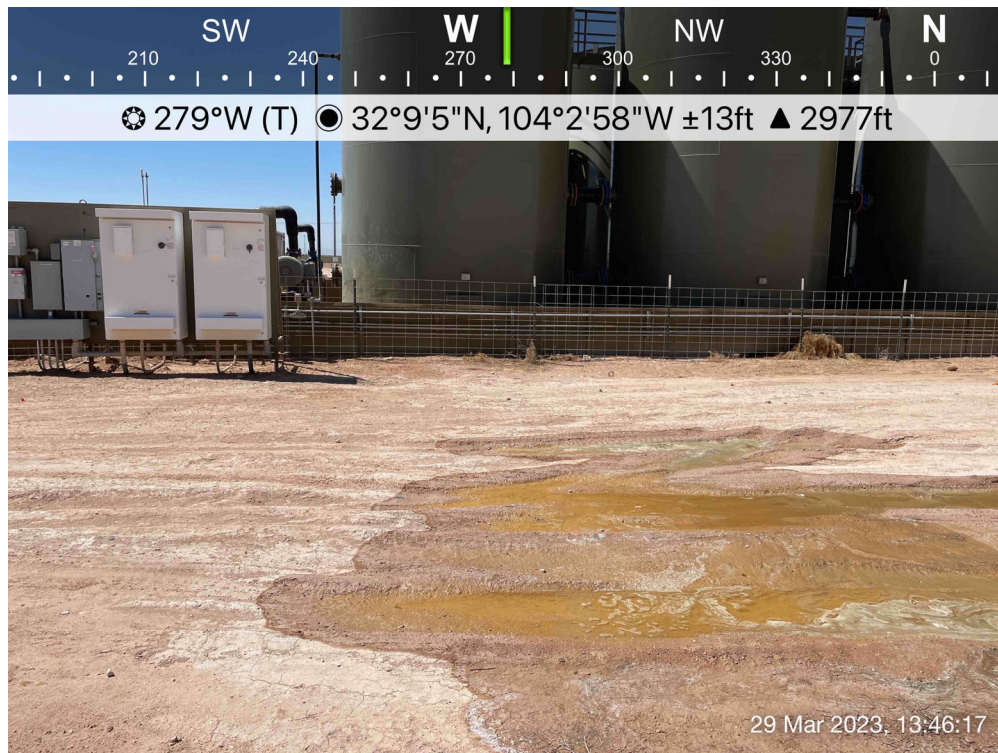
Initial Release





Initial Release

Pad:



Pad:





Initial Release

Pad:



Pad:





Initial Release

Pad:



Pad:





Initial Release

Pad:



Pad:





Excavation

Pad:



Pad:





Excavation

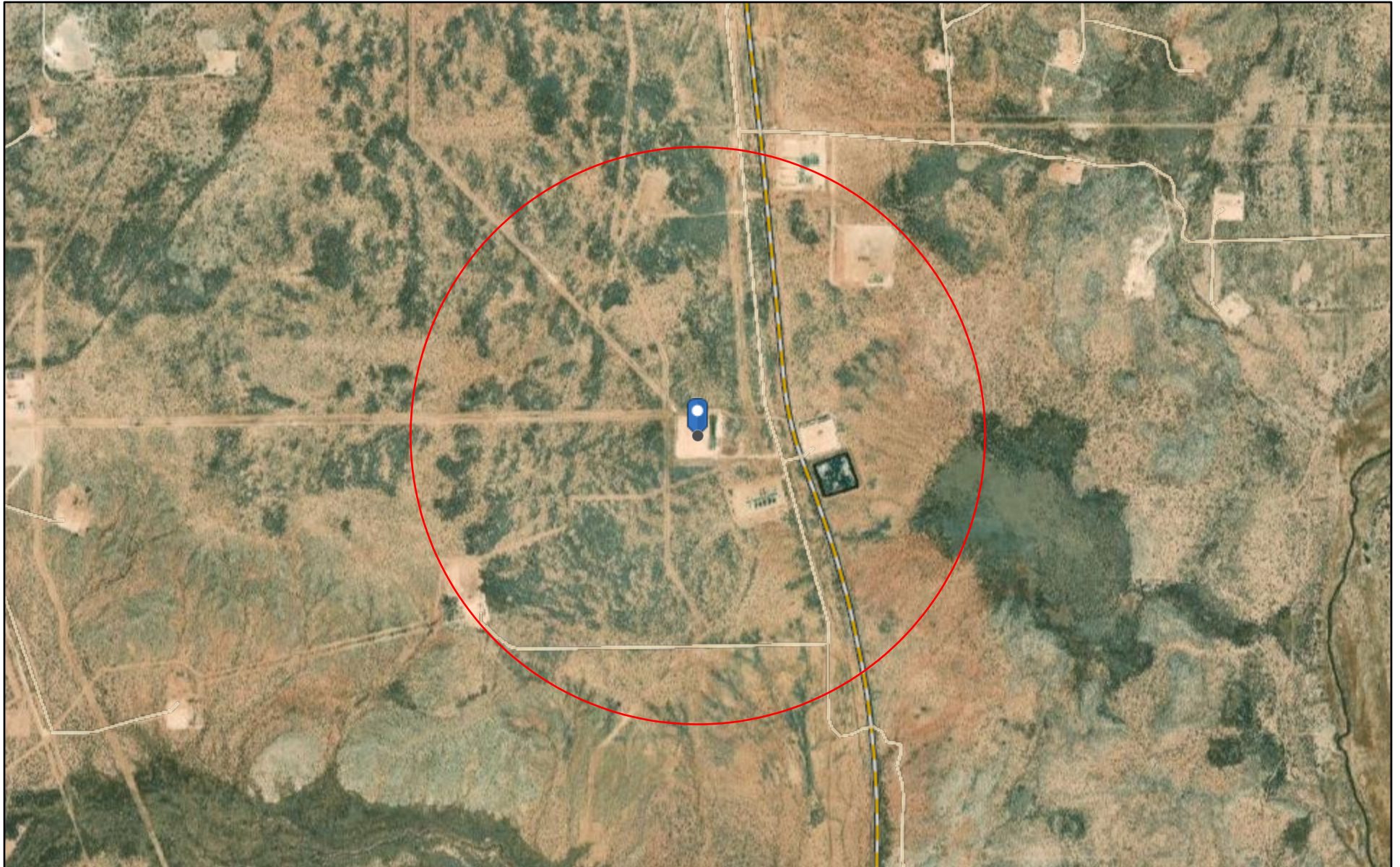
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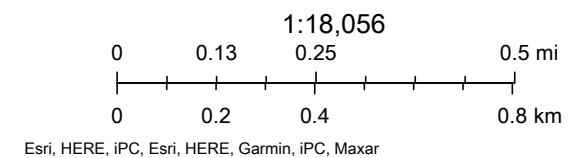
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NAPP2309648281 | HOSS 11 SWD #1

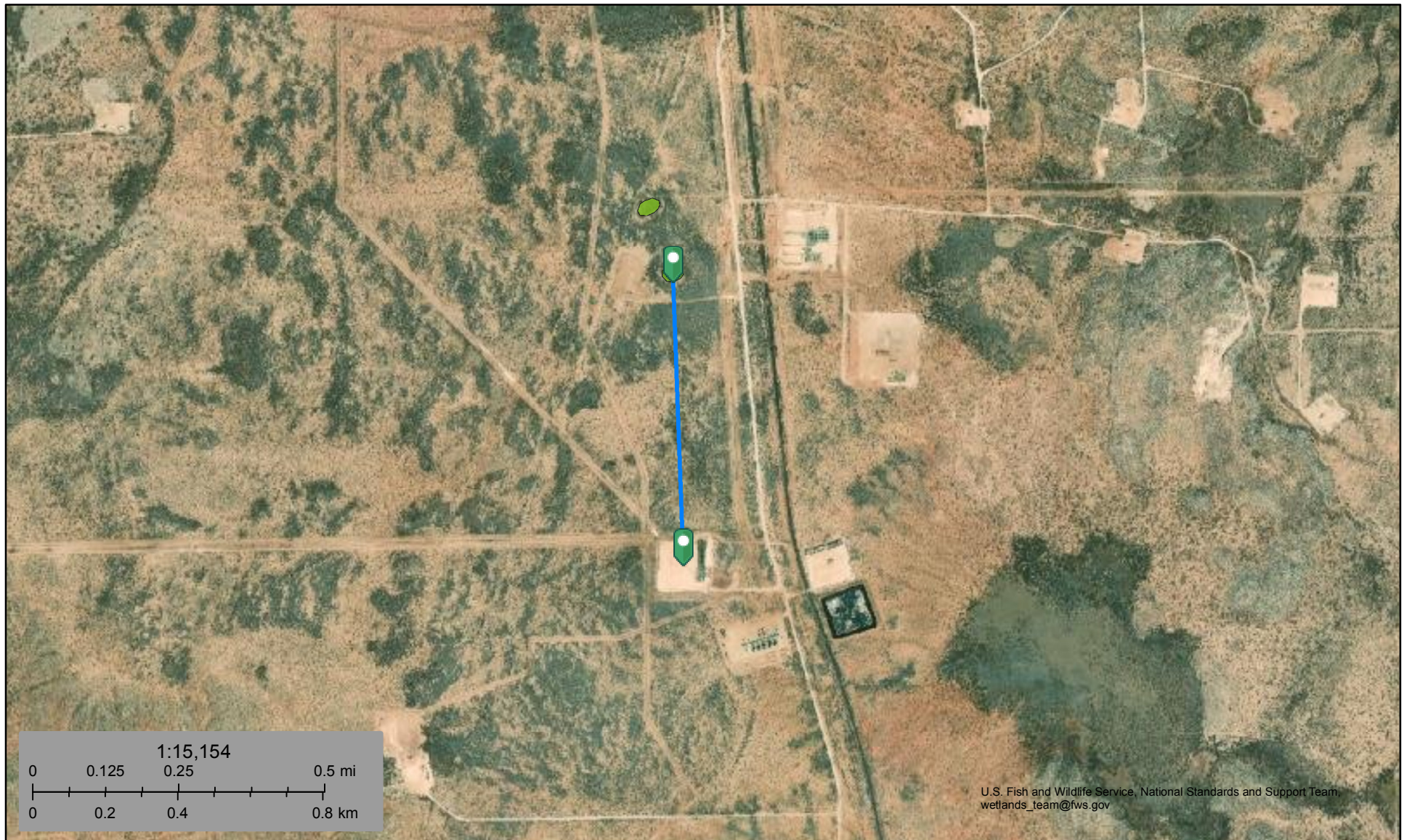


4/26/2023, 8:27:16 AM





NAPP2309648281 | HOSS 11 SWD #1



April 26, 2023

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond

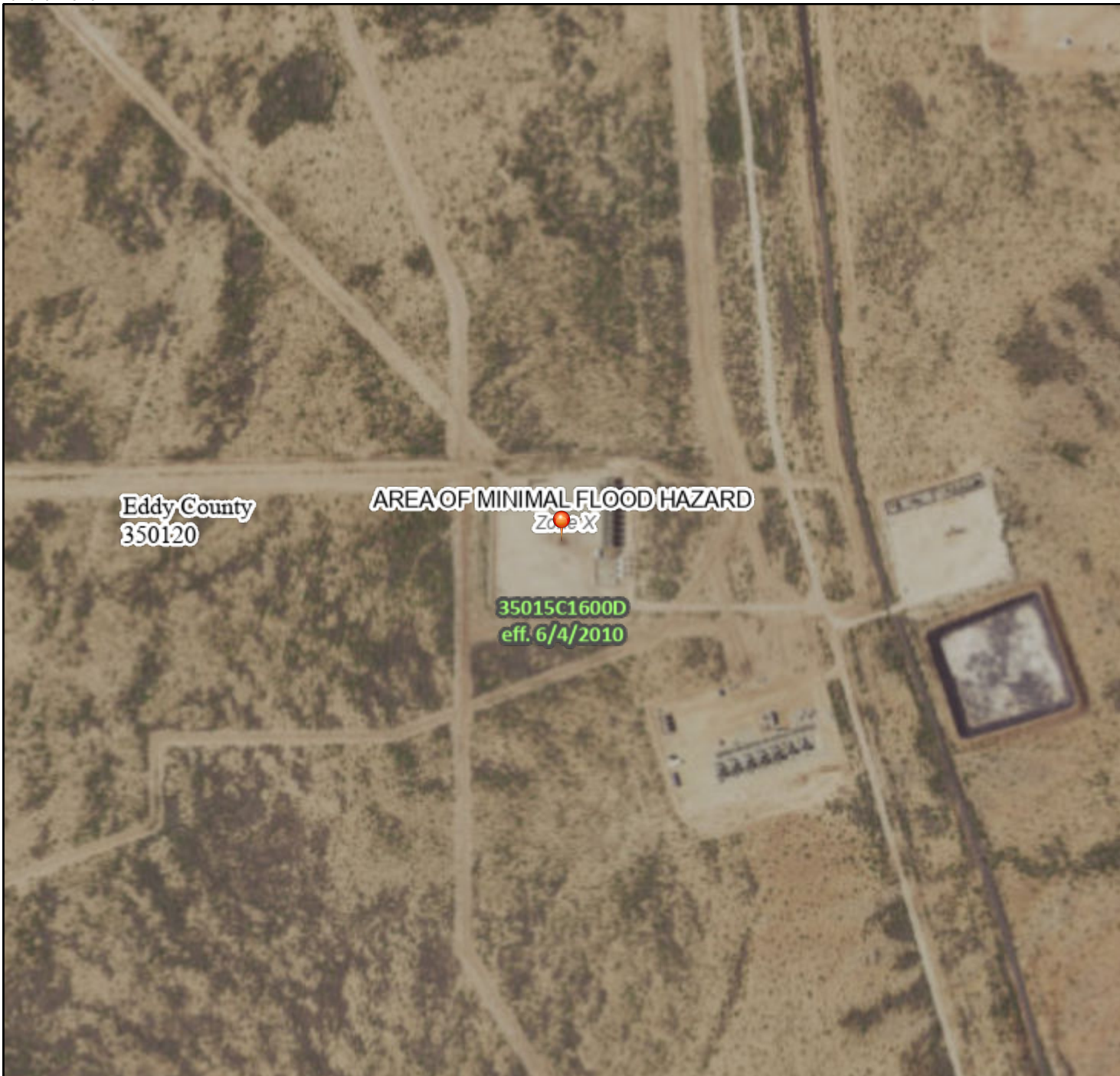
- Lake
- Other
- Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

National Flood Hazard Layer FIRMette



104°3'19"W 32°9'21"N



Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
		Area of Undetermined Flood Hazard Zone D
GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5 Cross Sections with 1% Annual Chance Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped



The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 4/26/2023 at 10:33 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.





This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

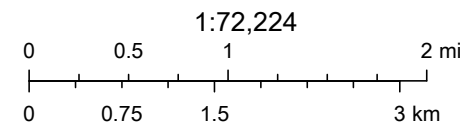
NAPP2309648281 | HOSS 11 SWD #1



4/26/2023, 8:28:30 AM

Karst Occurrence Potential

	High		Medium
			Low



BLM, OCD, New Mexico Tech, Earthstar Geographics

Soil Map—Eddy Area, New Mexico
(NAPP2309648281 | HOSS 11 SWD #1)



Soil Map—Eddy Area, New Mexico
(NAPP2309648281 | HOSS 11 SWD #1)

MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

Special Point Features



Blowout



Borrow Pit



Clay Spot



Closed Depression



Gravel Pit



Gravelly Spot



Landfill



Lava Flow



Marsh or swamp



Mine or Quarry



Miscellaneous Water



Perennial Water



Rock Outcrop



Saline Spot



Sandy Spot



Severely Eroded Spot



Sinkhole



Slide or Slip



Sodic Spot



Spoil Area



Stony Spot



Very Stony Spot



Wet Spot



Other



Special Line Features

Water Features



Streams and Canals

Transportation



Rails



Interstate Highways



US Routes



Major Roads



Local Roads

Background



Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service

Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Eddy Area, New Mexico

Survey Area Data: Version 18, Sep 8, 2022

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Nov 12, 2022—Dec 2, 2022

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
RS	Russler loam, 1 to 3 percent slopes	14.1	100.0%
Totals for Area of Interest		14.1	100.0%

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 232258

CONDITIONS

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 232258
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	Mewbourne's deferral requests deferral of final remediation for Incident Number NAPP2309648281 until decommissioning and abandonment of the facility. Trinity and Mewbourne do not believe deferment will result in imminent risk to human health, the environment, or groundwater. The areas requested for deferral are the impacted soil around the outside of the tank battery (Page 18), which include sample areas (CW-004 and CW-005). The areas have been delineated and documented in the report. At this time, OCD approves this request. The Deferral Request and C-141 will be accepted for record. The release will remain open in OCD database files and reflect an open environmental issue.	12/19/2023