

Trinity Oilfield Services & Rentals, LLC

Environmental Site Summary & Revised Spill Remediation Proposal



Company: OXY USA, Inc. **Address:** P.O. Box 4294, Houston, TX 77210 **Telephone #:** (575) 390-2828
Site Name: South Loco Hills CTB **NMOCD Reference#:** NRM2009941553
Surface Owner: US Bureau of Land Management **Mineral Owner:** US Bureau of Land Management
Unit Letter: O (SW/SE) **Section:** 19 **Township:** 18S **Range:** 29E **County:** Eddy **GPS Coordinates:** 32.728200 N -104.111700 W
Date/Time of Release: 2/26/2020 **Type of Release:** ☒ **Crude Oil** ☐ **Produced Water**
Volume(s) Released: 80 bbls **Volume(s) Recovered:** 43.2 bbls

Closure Criteria for Impacted Soil (mg/kg; See Appendix C, "Closure Criteria Justification"):

Benzene: 10 **BTEX:** 50 **GRO+DRO:** 1,000 **TPH:** ☐ **100** **Chloride:** ☐ **600**
☒ **2,500** ☐ **10,000**
☒ **20,000**

Background Information:

On February 26, 2020, OXY USA, Inc. (OXY), discovered a release at the South Loco Hills Central Tank Battery (CTB). An oil tank bled into a water tank, which overflowed, resulting in the release of approximately 80 barrels (bbls) of crude oil. The release was confined to the containment area surrounding the battery and affected a total area measuring approximately 3,385 square feet. During initial response activities, the cause of the overflow was investigated and repaired, and a vacuum truck was utilized to recover approximately 43.2 bbls of free-standing liquid.

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

Summary of Field Activities:

On March 18 and 19, 2020, a hand auger was utilized to advance a series of 11 boreholes (SP-1, SP-1 West, SP-1 South, SP-2, SP-2 West, SP-3, SP-3 East, SP-3 West, SP-4, SP-4 West, and SP-4 South) at the site to investigate the extent of impacted soil. The auger holes were advanced to the extents practicable, and total depths ranged from 2 to 4 feet below ground surface (bgs). Soil samples were collected at 1- to 2-foot vertical intervals and field-screened with a chloride test kit and olfactory/visual senses. Representative confirmation samples were submitted to Xenco Laboratories in Midland, Texas, for analysis of chloride, total petroleum hydrocarbons (TPH), and benzene, toluene, ethylbenzene, and total xylene (BTEX) concentrations using Environmental Protection Agency (EPA) Methods 300, SW 846-8015 Mod, and SW 846-8021B, respectively. Laboratory analytical results and field-screens indicated additional delineation to determine the extent of impacted soil was required.

On April 2, 2020, a backhoe was utilized to advance a series of delineation trenches in the areas represented by auger holes SP-1 through SP-4 to further investigate the vertical extent of impacted soil. The delineation trenches were advanced to total depths ranging from 5 feet (SP-2) to 9 feet (SP-1) bgs. Soil samples were collected at 1- to 2-foot vertical intervals and field-screened with a chloride test kit and olfactory/visual senses. Representative confirmation samples were submitted to the laboratory for analysis of chloride, TPH, and BTEX concentrations. Laboratory analytical results indicated additional vertical delineation of the area was required. Laboratory analytical results and field screens also suggested a historical release of unknown date and volume was encountered approximately 7 feet bgs in trench SP-1 and approximately 6 feet bgs in trench SP-4, based on elevated chloride levels recorded at those depths.

On April 7, 2020, an "Environmental Site Summary & Spill Remediation Proposal" was submitted to the NMOCD outlining a soil remediation strategy for the site. The proposal was subsequently rejected by the NMOCD.

On October 13, 2020, an environmental drilling rig was employed to advance a soil boring (SP-1) in the area represented by auger hole/delineation trench SP-1 to further investigate the vertical extent of impacted soil. The soil boring was

Trinity Oilfield Services & Rentals, LLC

Environmental Site Summary & Revised Spill Remediation Proposal



Summary of Field Activities (cont.):

advanced to a total depth of 50 feet bgs. Soil samples were collected at 2-foot vertical intervals and field-screened with a chloride test kit and/or olfactory/visual senses. Representative confirmation samples were submitted to the laboratory for analysis of chloride, TPH, and/or BTEX concentrations. Laboratory analytical results indicated vertical delineation of the area had been achieved.

Locations of the auger holes, delineation trenches, and soil boring are depicted in Figure 2, "Site Plan". Laboratory analytical results are summarized in Table 1, and analytical reports are provided in Appendix D. Field test results are provided in Appendix E. A soil boring log is provided in Appendix F.

Proposed Activities:

OXY proposes to conduct the following activities to progress the South Loco Hills CTB release site to an NMOCD- and BLM-approved closure:

- The excavation will be advanced horizontally to the areas represented by auger holes SP-1 West, SP-1 South, SP-2 West, and SP-4 West. The excavation will be advanced horizontally in the areas represented by soil boring SP-1 and auger holes SP-3 East, SP-3 West, and SP-4 South based on concurrent field-screening conducted during remediation activities.
- To the extent practicable, the area represented by auger holes/delineation trenches SP-2 and SP-2 West will be excavated vertically to a depth of approximately 2 feet bgs.
- To the extent practicable, the areas represented by soil boring SP-1 and auger holes/delineation trenches SP-1, SP-1 South, SP-3, SP-3 East, SP-3 West, SP-4, and SP-4 West will be excavated vertically to a maximum depth of 4 feet bgs. These areas have been fully vertically delineated. Pursuant to Section 19.15.29.12.C(2) of the New Mexico Administrative Code (NMAC), deeper excavation of these areas and excavation immediately around/underneath the on-site water tank would necessitate "a major facility deconstruction" and will be deferred "until the equipment is removed during other operations, or when the well or facility is plugged or abandoned, whichever comes first." Once remedial activities on-site have been conducted to the extent practicable, the deferral request will be resubmitted with more exact dimensions of the area(s) to be deferred.
- The total volume of soil to be excavated is approximately 560 cubic yards.
- Representative 5-point composite soil samples will be collected from the floor and sidewalls of the excavation and submitted to Cardinal Laboratories in Hobbs, New Mexico, for confirmatory analysis of chloride, TPH, and/or BTEX concentrations using EPA Methods 4500-Cl B, SW 846-8015 Mod, and SW 846-8021B, respectively. OXY requests an alternative sampling plan consisting of 5-point composite samples representing areas no larger than 400 square feet, as depicted in Figure 3, "Proposed Sampling Grid".
- All excavated soil will be stockpiled on-site on 6-mil plastic, pending transfer to Lea Land, Inc. (NMOCD Permit #WM-01-035), for disposal.
- Following remediation activities, the excavation will be backfilled with locally acquired, non-impacted material, compacted, and contoured to fit the needs of the facility.
- The aforementioned corrective actions will be completed within 45 days of receipt of approval of this proposal by the NMOCD and BLM. Upon completion of the proposed tasks, a "Remediation Summary & Site Closure Request" will be submitted to the NMOCD and BLM, documenting remediation activities and results of confirmation soil samples.

Trinity Oilfield Services & Rentals, LLC

Environmental Site Summary & Revised Spill Remediation Proposal



Enclosures:

Figure 1: Site Location Map

Figure 2: Site Plan

Figure 3: Proposed Sampling Grid

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

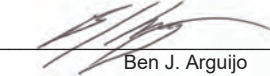
Appendix A: Release Notification & Corrective Action (Form C-141)

Appendix B: Photographs

Appendix C: Closure Criteria Justification

Appendix D: Laboratory Analytical Results

Appendix E: Field Notes

 10/29/2020
Ben J. Arguijo
Project Manager

Figures



0.5 0.25 0 0.5
Distance in Miles

Figure 1
Site Location Map
OXY USA, Inc.
South Loco Hills CTB
Eddy County, New Mexico
NMOCD Reference #: NRM2009941553



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

Drawn By: BJA	Checked By: JEH
October 29, 2020	Scale: 1" = 0.5mi





Tables

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

OXY USA, INC.
SOUTH LOCO HILLS CTB
EDDY COUNTY, NEW MEXICO
NMOCD REFERENCE #: NRM2009941553



SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SAMPLE TYPE	SOIL STATUS	EPA SW-846 Method 8021B							EPA SW-846 Method 8015M					EPA 300
					BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL-BENZENE (mg/kg)	M,P-XYLENES (mg/kg)	O-XYLENE (mg/kg)	TOTAL XYLENES (mg/kg)	TOTAL BTEX (mg/kg)	GRO C6-C12 (mg/kg)	DRO C12-C28 (mg/kg)	GRO+ DRO (mg/kg)	MRO C28-C35 (mg/kg)	TPH C6-C35 (mg/kg)	CHLORIDE (mg/kg)
NMOCD Closure Limits					10	NE	NE	NE	NE	NE	50	NE	NE	1,000	NE	2,500	20,000
SP-1 @ Surface	Surface	3/18/2020	Grab	In-Situ	0.202	7.30	32.6	43.5	23.9	67.4	108	4,120	30,000	34,120	2,740	36,900	<4.99
SP-1 @ 4 ft	4'	3/18/2020	Grab	In-Situ	<0.0998	0.776	4.45	4.95	4.25	9.20	14.4	1,410	11,000	12,410	1,090	13,500	42.6
SP-1 @ 6 ft	6'	4/2/2020	Grab	In-Situ	0.457	13.9	38.6	33.6	25.7	59.3	112	2,080	9,660	11,740	1,050	12,800	844
SP-1 @ 8 ft	8'	4/2/2020	Grab	In-Situ	0.0759	1.94	3.99	5.02	3.54	8.56	14.6	563	6,640	7,203	833	8,040	2,660
SP-1 @ 9 ft	9'	4/2/2020	Grab	In-Situ	<0.0404	0.205	1.48	0.656	0.442	1.10	2.78	84.6	1,570	1,655	196	1,850	1,820
SP-1 @ 10'	10'	10/13/2020	Grab	In-Situ	-	-	-	-	-	-	-	<50.0	148	148	<50.0	148	-
SP-1 @ 12'	12'	10/13/2020	Grab	In-Situ	-	-	-	-	-	-	-	<50.0	205	205	<50.0	205	-
SP-1 @ 16'	16'	10/13/2020	Grab	In-Situ	-	-	-	-	-	-	-	<49.9	299	299	50.3	349	-
SP-1 @ 20'	20'	10/13/2020	Grab	In-Situ	-	-	-	-	-	-	-	<49.8	203	203	<49.8	203	-
SP-1 @ 30'	30'	10/13/2020	Grab	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<50.0	131	131	<50.0	131	238
SP-1 @ 32'	32'	10/13/2020	Grab	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<50.0	70.0	70.0	<50.0	70.0	278
SP-1 @ 50'	50'	10/13/2020	Grab	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<49.9	235	235	<49.9	235	166
SP-1 West @ 1 ft	1'	3/19/2020	Grab	In-Situ	<0.100	0.149	0.797	0.838	0.597	1.44	2.38	<49.8	150	150	<49.8	150	871
SP-1 West @ 2 ft	2'	3/19/2020	Grab	In-Situ	<0.0397	0.0440	0.0540	<0.0794	<0.0397	<0.0397	0.0980	<50.0	183	183	58.30	241	533
SP-1 South @ 1ft	1'	3/19/2020	Grab	In-Situ	<0.0199	0.0423	<0.0199	<0.0398	<0.0199	<0.0199	0.0423	<50.0	140	140	<50.0	140	795
SP-1 South @ 2ft	2'	3/19/2020	Grab	In-Situ	<0.0199	0.0417	0.0269	0.0434	<0.0199	0.0434	0.112	<49.9	86.6	86.6	<49.9	86.6	637
SP-2 @ Surface	Surface	3/18/2020	Grab	In-Situ	<0.100	2.24	14.9	20.4	11.5	31.9	49.0	1,750	13,900	15,650	1,340	17,000	11.4
SP-2 @ 2 ft	2'	3/18/2020	Grab	In-Situ	<0.0020	<0.0020	0.0045	0.0076	0.0073	0.0148	0.0194	<49.9	480	480	74.7	555	<5.02
SP-2 @ 5 ft	5'	4/2/2020	Grab	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<50.0	85.0	85.0	<50.0	85.0	404
SP-2 West @ 1 ft	1'	3/19/2020	Grab	In-Situ	<0.0200	0.0464	<0.0200	<0.0400	<0.0200	<0.0200	0.0464	<50.0	<50.0	<50.0	<50.0	<50.0	34.4
SP-2 West @ 2 ft	2'	3/19/2020	Grab	In-Situ	<0.0202	0.0468	<0.0202	<0.0403	<0.0202	<0.0202	0.0468	<50.0	<50.0	<50.0	<50.0	<50.0	148
SP-3 Surface	Surface	3/18/2020	Grab	In-Situ	0.588	9.67	22.3	49.8	32.5	82.3	115	7,390	45,500	52,890	4,420	57,300	<4.99
SP-3 @ 2 ft	2'	3/18/2020	Grab	In-Situ	<0.0398	0.0604	0.148	0.130	0.106	0.236	0.444	<49.8	541	541	99.5	641	17.5
SP-3 @ 4 ft	4'	4/2/2020	Grab	In-Situ	2.71	75.0	143	133	58.2	191	412	6,160	16,200	22,360	1,470	23,800	10.7
SP-3 @ 6 ft	6'	4/2/2020	Grab	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	0.0034	0.0034	0.0034	<49.9	102	102	<49.9	102	<5.00
SP-3 West @ Surface	Surface	3/19/2020	Grab	In-Situ	<0.0198	0.0420	<0.0198	<0.0397	0.0250	0.0250	0.0670	<49.9	<49.9	<49.9	<49.9	<49.9	9.57
SP-3 West @ 2 ft	2'	3/19/2020	Grab	In-Situ	<0.0996	3.04	9.54	11.9	5.66	17.6	30.1	805	2,620	3,425	217	3,640	8.58
SP-3 East @ Surface	Surface	3/19/2020	Grab	In-Situ	0.0038	0.0551	0.0466	0.0433	0.0215	0.0648	0.170	<250	6,310	6,310	1,340	7,650	<5.05
SP-3 East @ 2 ft	2'	3/19/2020	Grab	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	0.0073	0.0073	0.0073	<49.9	70.1	70.1	<49.9	70.1	<4.99
SP-4 Surface	Surface	3/18/2020	Grab	In-Situ	1.62	80.1	123	142	60.1	202	407	9,040	30,500	39,540	2,620	42,200	14.7
SP-4 @ 2 ft	2'	3/18/2020	Grab	In-Situ	0.349	6.29	21.9	24.8	12.4	37.2	65.7	2,030	9,950	11,980	968	12,900	<4.98
SP-4 @ 4 ft	4'	4/2/2020	Grab	In-Situ	0.132	3.63	7.04	7.80	3.79	11.6	22.4	112	893	1,005	102	1,110	12.4
SP-4 @ 6 ft	6'	4/2/2020	Grab	In-Situ	<0.0399	0.293	1.72	0.745	0.400	1.15	3.16	62.9	755	818	88.6	907	770
SP-4 West @ Surface	Surface	3/19/2020	Grab	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<50.0	<50.0	<50.0	<50.0	<50.0	7.40
SP-4 West @ 2 ft	2'	3/19/2020	Grab	In-Situ	<0.0020	0.0051	0.0022	0.0223	0.0161	0.0384	0.0457	<50.0	<50.0	<50.0	<50.0	<50.0	52.3
SP-4 South @ Surface	Surface	3/19/2020	Grab	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<49.9	<49.9	<49.9	<49.9	<49.9	<4.96
SP-4 South @ 2 ft	2'	3/19/2020	Grab	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<50.0	<50.0	<50.0	<50.0	<50.0	<5.01

NE = Not established

- = Not analyzed

Concentrations in **BOLD** exceed the NMOCD Closure Limit

Appendices

Appendix A

Release Notification & Corrective Action (Form C-141)

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

State of New Mexico
Energy Minerals and Natural
Resources 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	NRM2009941553
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party: OXY USA, Inc.	OGRID: 16696
Contact Name: Wade Dittrich	Contact Telephone: (575) 390-2828
Contact email: Wade_Dittrich@oxy.com	Incident # (assigned by OCD)
Contact mailing address: P. O. Box 4295; Houston, TX 77210	

Location of Release Source

Latitude 32.72820 Longitude -104.11170
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: South Loco Hills CTB	Site Type: E&P
Date Release Discovered: 2/26/2020	API# (if applicable): N/A

Unit Letter	Section	Township	Range	County
O	19	T18S	R29E	Eddy

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

Nature and Volume of Release

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

<input checked="" type="checkbox"/> Crude Oil	Volume Released (bbls) 80 bbls	Volume Recovered (bbls) 43.2
<input type="checkbox"/> Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input 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: An oil tank bled into a water tank and the water tank overflowed. No produced water was released.

Form C-141


State of New Mexico
Oil Conservation Division

Page 2

Incident ID	NRM2009941553
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 quantity of the release was greater than 25 barrels
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Wade Dittrich gave notice to Mike Bratcher EMNRD, Victoria Venegas, ENMRD, R. Hamlet, ENMRD, J. Amos, US BLM on February 27, 2020 at 10:05:49 MST	

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: Not Applicable	
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: Ben J. Arguijo (as Agent of OXY USA, Inc.)	Title: Environmental Project Manager
Signature: 	Date: 3/13/2020
email: ben@trinityoilfieldservices.com	Telephone: (575)390-7208
<u>OCD Only</u>	
Received by: _____	Date: _____

***** LIQUID SPILLS - VOLUME CALCULATIONS *****

Location of spill:

South Loco Hills CTB

(32.7282,-104.1117)

Date of Spill:

2/26/2020

Site Soil Type:

Tonuco (TF) Soils - loamy fine sand 0-3 % slope, assumed a porodity of 14 percent

Estimated Daily Production Loss:

80

BBL Oil

0.0

BBL Water

Total Area Calculations							
Total Surface Area	width		length		wet soil depth	oil (%)	
Rectangle Area #1	37.5 ft	X	31.0 ft	X	5.25 in	100%	
Rectangle Area #2	37.0 ft	X	37.0 ft	X	5.25 in	100%	
Rectangle Area #3	17.5 ft	X	8.0 ft	X	5.25 in	100%	
Rectangle Area #4	31.5 ft	X	17.5 ft	X	5.25 in	100%	
Rectangle Area #5	8.5 ft	X	5.5 ft	X	5.25 in	100%	
Rectangle Area #6	11.0 ft	X	10.5 ft	X	5.25 in	100%	
Rectangle Area #7	0.0 ft	X	0.0 ft	X	0.00 in	0%	
Rectangle Area #8	0.0 ft	X	0.0 ft	X	0.00 in	0%	
Porosity _____ 0.14 gal per gal (interpolated between a sandy clay and a gravelly sand)							
<u>Saturated Soil Volume Calculations:</u>							
			<u>H2O</u>		<u>OIL</u>		
Area #1	1,163 sq. ft.		cu. ft.		509	cu. ft.	
Area #2	1369 sq. ft.		cu. ft.		599	cu. ft.	
Area #3	140 sq. ft.		cu. ft.		61	cu. ft.	
Area #4	551.25 sq. ft.		cu. ft.		241	cu. ft.	
Area #5	46.75 sq. ft.		cu. ft.		20	cu. ft.	
Area #6	115.5 sq. ft.		cu. ft.		51	cu. ft.	
Area #7	0 sq. ft.		cu. ft.			cu. ft.	
Area #8	0 sq. ft.		cu. ft.			cu. ft.	
Total Solid/Liquid Volume:	3,385 sq. ft.		cu. ft.		1,481	cu. ft.	
<u>Estimated Volumes Spilled</u>							
			<u>H2O</u>		<u>OIL</u>		
Liquid in Soil:			0.0 BBL		36.9	BBL	
Liquid Recovered :			0.0 BBL		43.2	BBL	
Spill Liquid			0.0 BBL		80.1	BBL	
Total Spill Liquid:			80.1				
<u>Recovered Volumes</u>							
Estimated oil recovered:	43.2 BBL						
Estimated water recovered:	0.0 BBL						

Soil Type	Porosity
Clay	0.15
Peat	0.40
Glacial Sediments	0.13
Sandy Clay	0.12
Silt	0.16
Loess	0.25
Fine Sand	0.16
Medium Sand	0.25
Coarse Sand	0.26
Gravelly Sand	0.26
Fine Gravel	0.26
Medium Gravel	0.25
Coarse Gravel	0.18
Sandstone	0.25
Siltstone	0.18
Shale	0.05
Limestone	0.13
Basalt	0.19
Volcanic Tuff	0.20
Standing Liquids	

Incident ID	NRM2009941553
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?	<u>185</u> (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 type="checkbox"/> Yes <input checked="" 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.

Oil Conservation Division

Incident ID	NRM2009941553
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: Wade Pittman Title: Enviro. Specialist
Signature: Wade Pittman Date: 1-21-21
email: _____ Telephone: _____

OCD Only

Received by: Cristina Eads Date: 01/29/2021

Incident ID	NR2009941553
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: Wade Dittich Title: Enviro. Specialist
Signature: Wade Dittich Date: 1-21-21
email: _____ Telephone: _____

OCD Only

Received by: Cristina Eads Date: 01/29/2021

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

Signature: Cristina Eads Date: 01/29/2021

Appendix B Photographs

OXY USA, Inc. –South Loco Hills CTB

Unit Letter "O" (SW/SE), Section 19, Township 18S, Range 29E



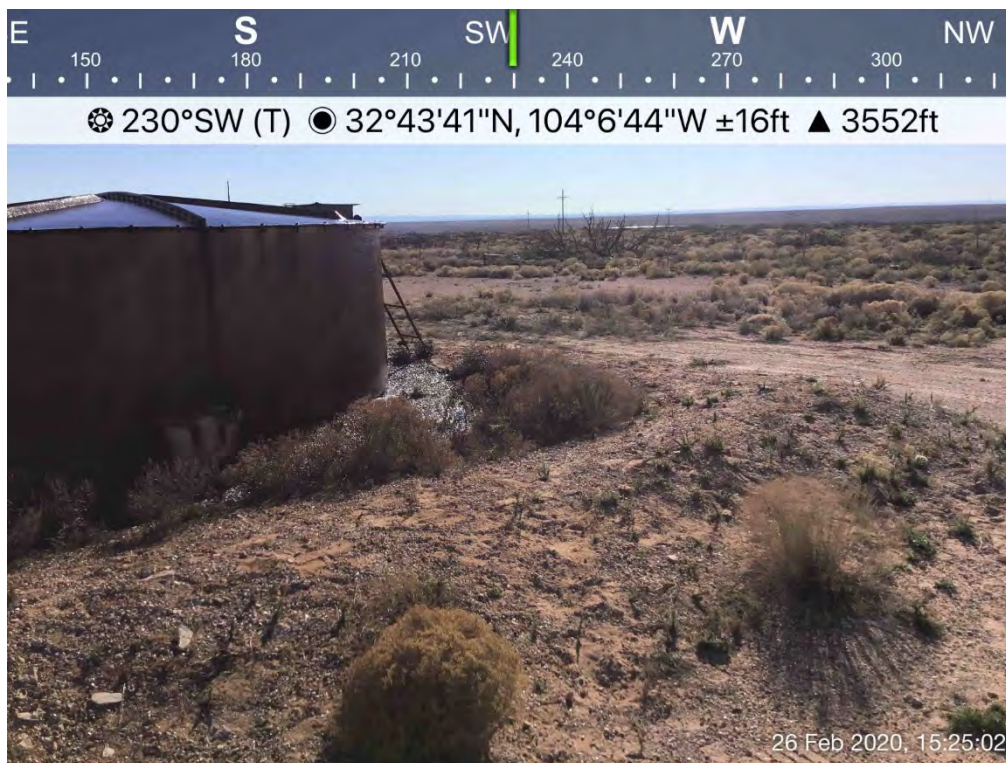
Release



Release

OXY USA, Inc. –South Loco Hills CTB

Unit Letter "O" (SW/SE), Section 19, Township 18S, Range 29E



Release



Release

OXY USA, Inc. –South Loco Hills CTB

Unit Letter "O" (SW/SE), Section 19, Township 18S, Range 29E



Release



Release

OXY USA, Inc. –South Loco Hills CTB

Unit Letter "O" (SW/SE), Section 19, Township 18S, Range 29E



Release



Release

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Unit Letter "O" (SW/SE), Section 19, Township 18S, Range 29E



Release



Release

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Release



Release

OXY USA, Inc. –South Loco Hills CTB

Unit Letter "O" (SW/SE), Section 19, Township 18S, Range 29E



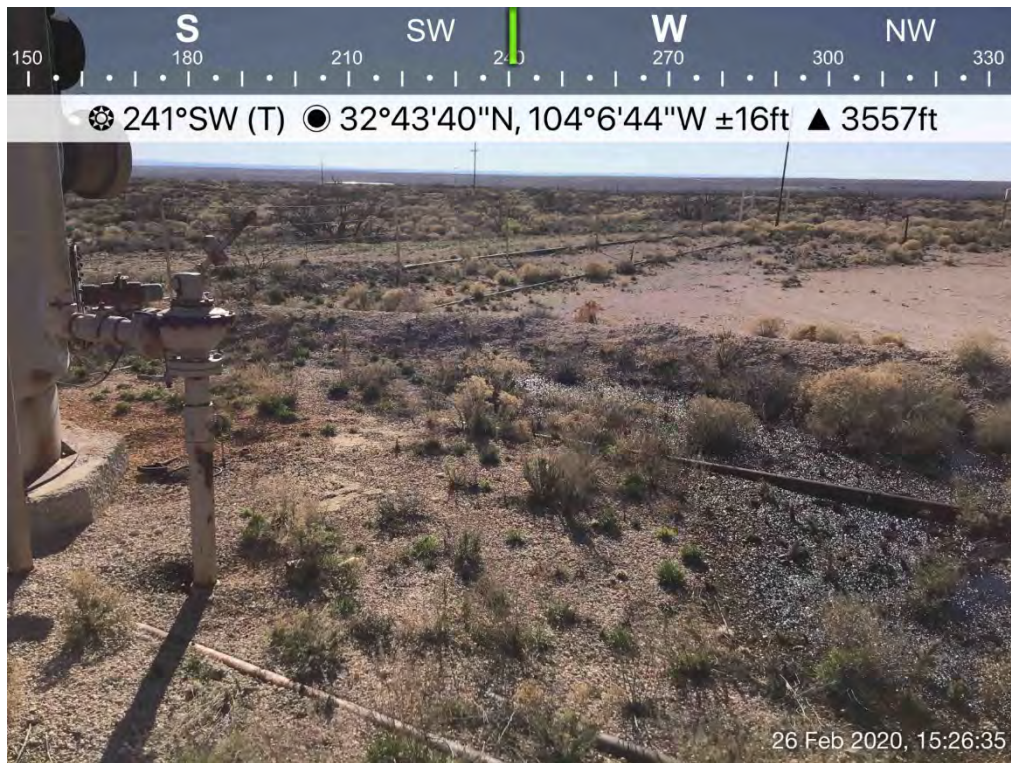
Release



Release

OXY USA, Inc. –South Loco Hills CTB

Unit Letter "O" (SW/SE), Section 19, Township 18S, Range 29E



Release



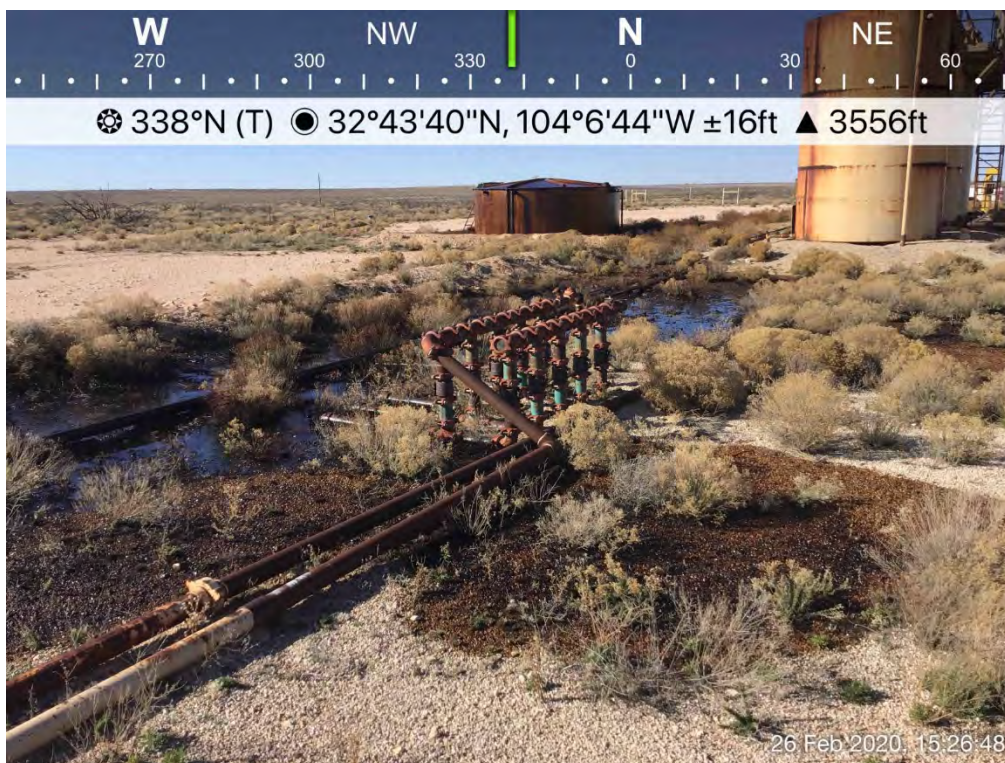
Release

OXY USA, Inc. –South Loco Hills CTB

Unit Letter "O" (SW/SE), Section 19, Township 18S, Range 29E



Release



Release

OXY USA, Inc. –South Loco Hills CTB

Unit Letter "O" (SW/SE), Section 19, Township 18S, Range 29E



Release



Release

OXY USA, Inc. –South Loco Hills CTB

Unit Letter "O" (SW/SE), Section 19, Township 18S, Range 29E



Release



Release

Appendix C

Closure Criteria Justification

**TABLE 3
CLOSURE CRITERIA JUSTIFICATION**

**OXY USA, INC.
SOUTH LOCO HILLS CTB
EDDY COUNTY, NEW MEXICO
NMOCD REF. #: NRM2009941553**



Groundwater, Water Wells & Other Water Sources	
Depth to groundwater (ft)?	185
Horizontal distance (ft) from all water sources within 0.5 miles?	N/A
Within 500' of a spring or a private, domestic fresh water well used by less than 5 households for domestic or stock watering purposes?	No
Within 1000' of any fresh water well or spring?	No
Surface Water	
Horizontal distance (ft) to nearest significant watercourse?	>1,000
Within 300' of any continuously flowing watercourse or any other significant watercourse?	No
Within 200' of any lakebed, sinkhole or playa lake?	No
Human-Occupied, Environmental & Other Areas	
Within incorporated municipal boundaries or within a defined municipal fresh water well field?	No
Within 300' of an occupied permanent residence, school, hospital, institution or church?	No
Within 300' of a wetland?	No
Within the area overlying a subsurface mine?	No
Within an unstable area?	No
Within a 100-year floodplain?	No

Closure Criteria (mg/kg)*				
Benzene	BTEX	GRO + DRO	TPH	Chloride
10	50	1,000	2,500	20,000

*Numerical limits or natural background level, whichever is greater

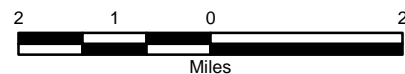
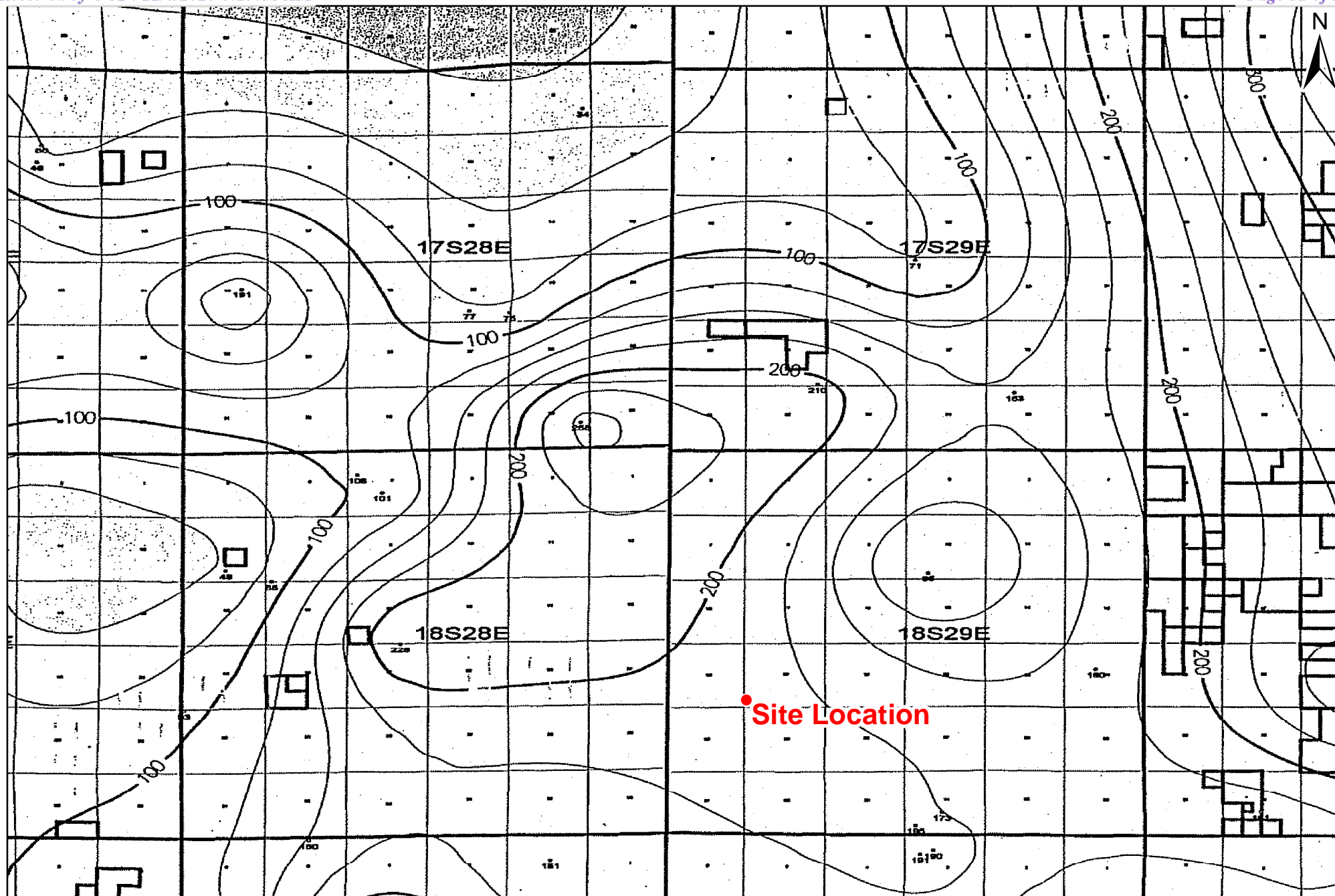
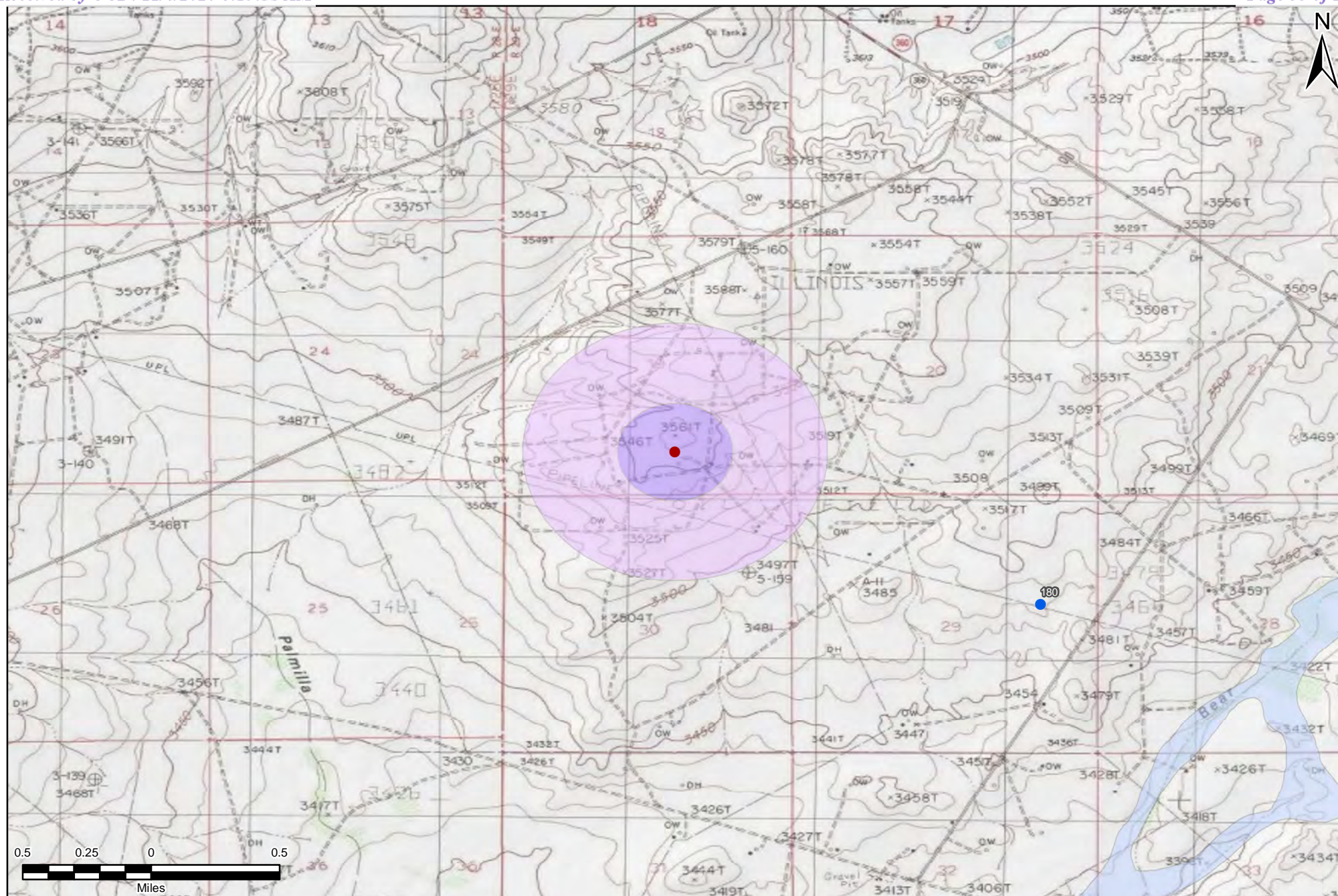


Figure 4
Depth-to-Groundwater Trend Map
 OXY USA, Inc.
 South Loco Hills CTB
 Eddy County, New Mexico
 NMOCD Reference #: NRM2009941553



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

Drawn By: BJA	Checked By: JEH
October 29, 2020	Scale: 1" = 2mi

**Legend**

- 1,000-ft Radius
- 0.5-mi Radius
- FEMA 100-Year Flood Zone
- Municipal Boundary
- Site Location
- NMOSE Depth to Water (ft)
- USGS Depth to Water (ft Avg.)
- Monitor Well

Figure 5
Vicinity & Wellhead Protection Area Map
OXY USA, Inc.
South Loco Hills CTB
Eddy County, New Mexico
NMOCD Reference #: NRM2009941553



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

Drawn By: BJA	Checked By: JEH
October 29, 2020	Scale: 1" = 0.5mi



New Mexico Office of the State Engineer Water Column/Average Depth to Water

No records found.

UTMNAD83 Radius Search (in meters):

Easting (X): 583181.65

Northing (Y): 3621490.71

Radius: 1610
(1 mile)

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

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Page 1 of 1

WATER COLUMN/ AVERAGE
DEPTH TO WATER



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced, O=orphaned, C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
CP 01618 POD1	CP	ED		3	4	2	29	18S	29E	585120	3620554	2152	240	180	60

Average Depth to Water: **180 feet**

Minimum Depth: **180 feet**

Maximum Depth: **180 feet**

Record Count: 1

UTM NAD83 Radius Search (in meters):

Easting (X): 583181.65

Northing (Y): 3621490.71

Radius: 2414
(1.5 miles)

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

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WATER COLUMN/ AVERAGE
DEPTH TO WATER

Appendix D

Laboratory Analytical Reports



Certificate of Analysis Summary 656759

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: South Loco Hills

Project Id:

Contact: Ben Arguijo

Project Location: Granville Ramsey

Date Received in Lab: Wed 03.25.2020 11:00

Report Date: 03.31.2020 16:10

Project Manager: Holly Taylor

<i>Analysis Requested</i>	<i>Lab Id:</i>	656759-001	656759-002	656759-003	656759-004	656759-005	656759-006
	<i>Field Id:</i>	SP-1 Surface	SP-1 @ 4 ft	SP-2 Surface	SP-2 2 ft	SP-3 Surface	SP-3 @ 2 ft
	<i>Depth:</i>		4- ft		2- ft		2- ft
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	03.18.2020 09:00	03.18.2020 09:30	03.18.2020 09:40	03.18.2020 09:55	03.18.2020 10:00	03.18.2020 10:20
BTEX by EPA 8021B	<i>Extracted:</i>	03.27.2020 16:30	03.27.2020 16:30	03.27.2020 16:30	03.30.2020 08:30	03.27.2020 16:30	03.27.2020 16:30
	<i>Analyzed:</i>	03.28.2020 18:28	03.28.2020 16:26	03.28.2020 16:46	03.30.2020 13:29	03.28.2020 18:48	03.28.2020 14:43
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Benzene		0.202 0.199	<0.0998 0.0998	<0.100 0.100	<0.00200 0.00200	0.588 0.198	<0.0398 0.0398
Toluene		7.30 0.199	0.776 0.0998	2.24 0.100	<0.00200 0.00200	9.67 0.198	0.0604 0.0398
Ethylbenzene		32.6 0.199	4.45 0.0998	14.9 0.100	0.00452 0.00200	22.3 0.198	0.148 0.0398
m,p-Xylenes		43.5 0.398	4.95 0.200	20.4 0.200	0.00756 0.00399	49.8 0.397	0.130 0.0797
o-Xylene		23.9 0.199	4.25 0.0998	11.5 0.100	0.00728 0.00200	32.5 0.198	0.106 0.0398
Total Xylenes		67.4 0.199	9.20 0.0998	31.9 0.100	0.0148 0.00200	82.3 0.198	0.236 0.0398
Total BTEX		108 0.199	14.4 0.0998	49.0 0.100	0.0194 0.00200	115 0.198	0.444 0.0398
Chloride by EPA 300	<i>Extracted:</i>	03.25.2020 15:10	03.25.2020 15:10	03.25.2020 15:10	03.25.2020 15:10	03.25.2020 15:30	03.25.2020 15:30
	<i>Analyzed:</i>	03.26.2020 09:56	03.26.2020 10:01	03.26.2020 10:06	03.26.2020 10:12	03.25.2020 22:53	03.25.2020 23:09
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		<4.99 4.99	42.6 5.00	11.4 5.02	<5.02 5.02	<4.99 4.99	17.5 5.01
TPH By SW8015 Mod	<i>Extracted:</i>	03.26.2020 16:00	03.26.2020 16:00	03.26.2020 16:00	03.26.2020 16:00	03.26.2020 16:00	03.26.2020 16:00
	<i>Analyzed:</i>	03.27.2020 04:43	03.27.2020 05:04	03.27.2020 05:26	03.27.2020 05:48	03.27.2020 06:09	03.27.2020 06:36
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Gasoline Range Hydrocarbons (GRO)		4120 250	1410 250	1750 250	<49.9 49.9	7390 500	<49.8 49.8
Diesel Range Organics (DRO)		30000 250	11000 250	13900 250	480 49.9	45500 500	541 49.8
Motor Oil Range Hydrocarbons (MRO)		2740 250	1090 250	1340 250	74.7 49.9	4420 500	99.5 49.8
Total TPH		36900 250	13500 250	17000 250	555 49.9	57300 500	641 49.8

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Holly Taylor
Project Manager



Certificate of Analysis Summary 656759

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: South Loco Hills

Project Id:

Contact: Ben Arguijo

Project Location: Granville Ramsey

Date Received in Lab: Wed 03.25.2020 11:00

Report Date: 03.31.2020 16:10

Project Manager: Holly Taylor

<i>Analysis Requested</i>	<i>Lab Id:</i>	656759-007	656759-008	656759-009	656759-010	656759-011	656759-012
	<i>Field Id:</i>	SP-4 Surface	SP-4 @ 2 ft	SP-1 West @ 1 ft	SP-1 West @ 2 ft	SP-1 South @ 1ft	SP-1 South @ 2ft
	<i>Depth:</i>		2- ft	1- ft	2- ft	1- ft	2- ft
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	03.18.2020 10:25	03.18.2020 10:45	03.19.2020 09:35	03.19.2020 09:40	03.19.2020 09:55	03.19.2020 10:00
BTEX by EPA 8021B	<i>Extracted:</i>	03.27.2020 16:30	03.27.2020 16:30	03.27.2020 16:30	03.27.2020 16:30	03.27.2020 16:30	03.27.2020 16:30
	<i>Analyzed:</i>	03.28.2020 19:09	03.28.2020 19:29	03.28.2020 17:06	03.28.2020 15:03	03.28.2020 12:41	03.28.2020 13:01
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Benzene		1.62 0.199	0.349 0.200	<0.100 0.100	<0.0397 0.0397	<0.0199 0.0199	<0.0199 0.0199
Toluene		80.1 D 0.996	6.29 0.200	0.149 0.100	0.0440 0.0397	0.0423 0.0199	0.0417 0.0199
Ethylbenzene		123 D 0.996	21.9 0.200	0.797 0.100	0.0540 0.0397	<0.0199 0.0199	0.0269 0.0199
m,p-Xylenes		142 D 1.99	24.8 0.401	0.838 0.200	<0.0794 0.0794	<0.0398 0.0398	0.0434 0.0398
o-Xylene		60.1 D 0.996	12.4 0.200	0.597 0.100	<0.0397 0.0397	<0.0199 0.0199	<0.0199 0.0199
Total Xylenes		202 0.996	37.2 0.200	1.44 0.100	<0.0397 0.0397	<0.0199 0.0199	0.0434 0.0199
Total BTEX		407 0.199	65.7 0.200	2.38 0.100	0.0980 0.0397	0.0423 0.0199	0.112 0.0199
Chloride by EPA 300	<i>Extracted:</i>	03.25.2020 15:30	03.25.2020 15:30	03.25.2020 15:30	03.25.2020 15:30	03.25.2020 15:30	03.25.2020 15:30
	<i>Analyzed:</i>	03.25.2020 23:14	03.25.2020 23:19	03.25.2020 23:24	03.25.2020 23:40	03.25.2020 23:46	03.25.2020 23:51
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		14.7 5.00	<4.98 4.98	871 5.02	533 5.05	795 5.05	637 5.02
TPH By SW8015 Mod	<i>Extracted:</i>	03.26.2020 16:00	03.26.2020 16:00	03.26.2020 16:00	03.26.2020 16:00	03.26.2020 16:00	03.26.2020 16:00
	<i>Analyzed:</i>	03.27.2020 06:57	03.27.2020 07:18	03.27.2020 09:24	03.27.2020 09:45	03.27.2020 10:05	03.27.2020 06:36
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Gasoline Range Hydrocarbons (GRO)		9040 250	2030 249	<49.8 49.8	<50.0 50.0	<50.0 50.0	<49.9 49.9
Diesel Range Organics (DRO)		30500 250	9950 249	150 49.8	183 50.0	140 50.0	86.6 49.9
Motor Oil Range Hydrocarbons (MRO)		2620 250	968 249	<49.8 49.8	58.3 50.0	<50.0 50.0	<49.9 49.9
Total TPH		42200 250	12900 249	150 49.8	241 50.0	140 50.0	86.6 49.9

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Holly Taylor
Project Manager



Certificate of Analysis Summary 656759

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: South Loco Hills

Project Id:

Contact: Ben Arguijo

Project Location: Granville Ramsey

Date Received in Lab: Wed 03.25.2020 11:00

Report Date: 03.31.2020 16:10

Project Manager: Holly Taylor

<i>Analysis Requested</i>	<i>Lab Id:</i>	656759-013	656759-014	656759-015	656759-016	656759-017	656759-018
	<i>Field Id:</i>	SP-2 West @ 1 ft	SP-2 West @ 2 ft	SP-3 West @ Surface	SP-3 West @ 2 ft	SP-3 East @ Surface	SP-3 East @ 2 ft
	<i>Depth:</i>	1- ft	2- ft		2- ft		2- ft
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	03.19.2020 10:15	03.19.2020 10:20	03.19.2020 10:30	03.19.2020 10:40	03.19.2020 10:50	03.19.2020 11:00
BTEX by EPA 8021B	<i>Extracted:</i>	03.27.2020 16:30	03.27.2020 16:30	03.27.2020 16:30	03.27.2020 13:30	03.27.2020 13:30	03.27.2020 13:30
	<i>Analyzed:</i>	03.28.2020 13:21	03.28.2020 13:42	03.28.2020 14:02	03.28.2020 22:36	03.28.2020 14:57	03.28.2020 15:17
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Benzene		<0.0200 0.0200	<0.0202 0.0202	<0.0198 0.0198	<0.0996 0.0996	0.00382 X 0.00201	<0.00198 0.00198
Toluene		0.0464 0.0200	0.0468 0.0202	0.0420 0.0198	3.04 0.0996	0.0551 XF 0.00201	<0.00198 0.00198
Ethylbenzene		<0.0200 0.0200	<0.0202 0.0202	<0.0198 0.0198	9.54 0.0996	0.0466 XF 0.00201	<0.00198 0.00198
m,p-Xylenes		<0.0400 0.0400	<0.0403 0.0403	<0.0397 0.0397	11.9 0.199	0.0433 XF 0.00402	<0.00397 0.00397
o-Xylene		<0.0200 0.0200	<0.0202 0.0202	0.0250 0.0198	5.66 0.0996	0.0215 XF 0.00201	0.00727 0.00198
Total Xylenes		<0.0200 0.0200	<0.0202 0.0202	0.0250 0.0198	17.6 0.0996	0.0648 0.00201	0.00727 0.00198
Total BTEX		0.0464 0.0200	0.0468 0.0202	0.0670 0.0198	30.1 0.0996	0.170 0.00201	0.00727 0.00198
Chloride by EPA 300	<i>Extracted:</i>	03.25.2020 15:30	03.25.2020 15:30	03.25.2020 15:30	03.25.2020 15:30	03.25.2020 15:30	03.25.2020 15:30
	<i>Analyzed:</i>	03.25.2020 23:56	03.26.2020 00:01	03.26.2020 00:07	03.26.2020 00:22	03.26.2020 00:28	03.26.2020 00:44
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		34.4 5.04	148 4.97	9.57 4.98	8.58 4.95	<5.05 5.05	<4.99 4.99
TPH By SW8015 Mod	<i>Extracted:</i>	03.26.2020 16:00	03.26.2020 16:00	03.26.2020 16:00	03.26.2020 16:00	03.26.2020 16:00	03.26.2020 16:00
	<i>Analyzed:</i>	03.27.2020 06:57	03.27.2020 07:18	03.27.2020 07:39	03.27.2020 10:26	03.27.2020 08:21	03.27.2020 08:42
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Gasoline Range Hydrocarbons (GRO)		<50.0 50.0	<50.0 50.0	<49.9 49.9	805 50.0	<250 250	<49.9 49.9
Diesel Range Organics (DRO)		<50.0 50.0	<50.0 50.0	<49.9 49.9	2620 50.0	6310 250	70.1 49.9
Motor Oil Range Hydrocarbons (MRO)		<50.0 50.0	<50.0 50.0	<49.9 49.9	217 50.0	1340 250	<49.9 49.9
Total TPH		<50.0 50.0	<50.0 50.0	<49.9 49.9	3640 50.0	7650 250	70.1 49.9

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Holly Taylor
Project Manager



Certificate of Analysis Summary 656759

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: South Loco Hills

Project Id:

Contact: Ben Arguijo

Project Location: Granville Ramsey

Date Received in Lab: Wed 03.25.2020 11:00

Report Date: 03.31.2020 16:10

Project Manager: Holly Taylor

<i>Analysis Requested</i>	<i>Lab Id:</i>	656759-019	656759-020	656759-021	656759-022		
	<i>Field Id:</i>	SP-4 West @ Surface	SP-4 West @ 2 ft	SP-4 South @ Surface	SP-4 South @ 2 ft		
	<i>Depth:</i>		2- ft		2- ft		
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL		
	<i>Sampled:</i>	03.19.2020 11:05	03.19.2020 11:15	03.19.2020 11:30	03.19.2020 11:40		
BTEX by EPA 8021B	<i>Extracted:</i>	03.27.2020 13:30	03.27.2020 13:30	03.27.2020 13:30	03.27.2020 13:30		
	<i>Analyzed:</i>	03.28.2020 15:37	03.28.2020 15:57	03.28.2020 16:18	03.28.2020 17:36		
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL		
Benzene		<0.00199 0.00199	<0.00201 0.00201	<0.00199 0.00199	<0.00198 0.00198		
Toluene		<0.00199 0.00199	0.00510 0.00201	<0.00199 0.00199	<0.00198 0.00198		
Ethylbenzene		<0.00199 0.00199	0.00224 0.00201	<0.00199 0.00199	<0.00198 0.00198		
m,p-Xylenes		<0.00398 0.00398	0.0223 0.00402	<0.00398 0.00398	<0.00397 0.00397		
o-Xylene		<0.00199 0.00199	0.0161 0.00201	<0.00199 0.00199	<0.00198 0.00198		
Total Xylenes		<0.00199 0.00199	0.0384 0.00201	<0.00199 0.00199	<0.00198 0.00198		
Total BTEX		<0.00199 0.00199	0.0457 0.00201	<0.00199 0.00199	<0.00198 0.00198		

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Holly Taylor
Project Manager



Certificate of Analysis Summary 656759

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: South Loco Hills

Project Id:

Contact: Ben Arguijo

Project Location: Granville Ramsey

Date Received in Lab: Wed 03.25.2020 11:00

Report Date: 03.31.2020 16:10

Project Manager: Holly Taylor

Analysis Requested	Lab Id: 656759-019 Field Id: SP-4 West @ Surface Depth: Matrix: SOIL Sampled: 03.19.2020 11:05	656759-020 SP-4 West @ 2 ft 2- ft SOIL 03.19.2020 11:15	656759-021 SP-4 South @ Surface SOIL 03.19.2020 11:30	656759-022 SP-4 South @ 2 ft 2- ft SOIL 03.19.2020 11:40		
Chloride by EPA 300	Extracted: 03.25.2020 15:30 Analyzed: 03.26.2020 00:49 Units/RL: mg/kg RL	03.25.2020 15:30 03.26.2020 00:54 mg/kg RL	03.25.2020 15:30 03.26.2020 00:59 mg/kg RL	03.25.2020 15:30 03.26.2020 01:05 mg/kg RL		
Chloride	7.40 5.03	52.3 4.97	<4.96 4.96	<5.01 5.01		
TPH By SW8015 Mod	Extracted: 03.28.2020 11:00 Analyzed: 03.29.2020 04:56 Units/RL: mg/kg RL	03.28.2020 11:00 03.29.2020 05:17 mg/kg RL	03.28.2020 11:00 03.29.2020 05:38 mg/kg RL	03.28.2020 11:00 03.29.2020 05:59 mg/kg RL		
Gasoline Range Hydrocarbons (GRO)	<50.0 50.0	<50.0 50.0	<49.9 49.9	<50.0 50.0		
Diesel Range Organics (DRO)	<50.0 50.0	<50.0 50.0	<49.9 49.9	<50.0 50.0		
Motor Oil Range Hydrocarbons (MRO)	<50.0 50.0	<50.0 50.0	<49.9 49.9	<50.0 50.0		
Total TPH	<50.0 50.0	<50.0 50.0	<49.9 49.9	<50.0 50.0		

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Holly Taylor
Project Manager



Analytical Report 656759

for

Trinity Oilfield Services & Rentals, LLC

Project Manager: Ben Arguijo

South Loco Hills

03.31.2020

Collected By: Client



**1211 W. Florida Ave
Midland TX 79701**

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-19-30), Arizona (AZ0765), Florida (E871002-24), Louisiana (03054)
Oklahoma (2019-058), North Carolina (681), Arkansas (19-037-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (TX104704295-19-22), Arizona (AZ0809), Arkansas (17-063-0)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-19-16)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-19-21)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-19-19)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-19-5)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)
Xenco-Tampa: Florida (E87429), North Carolina (483)



03.31.2020

Project Manager: **Ben Arguijo**
Trinity Oilfield Services & Rentals, LLC
PO BOX 2587
Hobbs, NM 88241

Reference: XENCO Report No(s): **656759**
South Loco Hills
Project Address: Granville Ramsey

Ben Arguijo:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 656759. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 656759 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

A handwritten signature in black ink that reads 'Holly Taylor'. The signature is written in a cursive, flowing style.

Holly Taylor
Project Manager

A Small Business and Minority Company

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico



Sample Cross Reference 656759

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

South Loco Hills

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
SP-1 Surface	S	03.18.2020 09:00		656759-001
SP-1 @ 4 ft	S	03.18.2020 09:30	4 ft	656759-002
SP-2 Surface	S	03.18.2020 09:40		656759-003
SP-2 2 ft	S	03.18.2020 09:55	2 ft	656759-004
SP-3 Surface	S	03.18.2020 10:00		656759-005
SP-3 @ 2 ft	S	03.18.2020 10:20	2 ft	656759-006
SP-4 Surface	S	03.18.2020 10:25		656759-007
SP-4 @ 2 ft	S	03.18.2020 10:45	2 ft	656759-008
SP-1 West @ 1 ft	S	03.19.2020 09:35	1 ft	656759-009
SP-1 West @ 2 ft	S	03.19.2020 09:40	2 ft	656759-010
SP-1 South @ 1ft	S	03.19.2020 09:55	1 ft	656759-011
SP-1 South @ 2ft	S	03.19.2020 10:00	2 ft	656759-012
SP-2 West @ 1 ft	S	03.19.2020 10:15	1 ft	656759-013
SP-2 West @ 2 ft	S	03.19.2020 10:20	2 ft	656759-014
SP-3 West @ Surface	S	03.19.2020 10:30		656759-015
SP-3 West @ 2 ft	S	03.19.2020 10:40	2 ft	656759-016
SP-3 East @ Surface	S	03.19.2020 10:50		656759-017
SP-3 East @ 2 ft	S	03.19.2020 11:00	2 ft	656759-018
SP-4 West @ Surface	S	03.19.2020 11:05		656759-019
SP-4 West @ 2 ft	S	03.19.2020 11:15	2 ft	656759-020
SP-4 South @ Surface	S	03.19.2020 11:30		656759-021
SP-4 South @ 2 ft	S	03.19.2020 11:40	2 ft	656759-022

**CASE NARRATIVE***Client Name: Trinity Oilfield Services & Rentals, LLC**Project Name: South Loco Hills*

Project ID:
Work Order Number(s): 656759

Report Date: 03.31.2020
Date Received: 03.25.2020

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3120940 Chloride by EPA 300
BKS recovery high, MS/MSDs qualify data.

Batch: LBA-3121378 BTEX by EPA 8021B
Soil samples were not received in Terracore kits and therefore were prepared by method 5030.

Batch: LBA-3121379 BTEX by EPA 8021B
Surrogate 4-Bromofluorobenzene recovered above QC limits. Matrix interferences is suspected.
Samples affected are: 656759-007,656759-013,656759-014,656759-015,656759-006,656759-010,656759-002,656759-003,656759-009,656759-001,656759-005,656759-008,656759-011,656759-012.
Soil samples were not received in Terracore kits and therefore were prepared by method 5030.

Batch: LBA-3121384 BTEX by EPA 8021B
Ethylbenzene, Toluene, m,p-Xylenes, o-Xylene Relative Percent Difference (RPD) between matrix spike and duplicate were above quality control limits.
Samples in the analytical batch are: 656759-016, -017, -018, -019, -020, -021, -022

Lab Sample ID 656759-017 was randomly selected for Matrix Spike/Matrix Spike Duplicate (MS/MSD). Benzene recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate. Ethylbenzene, Toluene, m,p-Xylenes, o-Xylene recovered below QC limits in the Matrix Spike Duplicate. Outlier/s are due to possible matrix interference. Samples in the analytical batch are: 656759-016, -017, -018, -019, -020, -021, -022.

The Laboratory Control Sample for Toluene, Benzene, m,p-Xylenes, Ethylbenzene, o-Xylene is within laboratory Control Limits, therefore the data was accepted.
Soil samples were not received in Terracore kits and therefore were prepared by method 5030.
Surrogate 4-Bromofluorobenzene recovered below QC limits. Matrix interferences is suspected.
Samples affected are: 656759-019,656759-020.



Certificate of Analytical Results 656759

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM South Loco Hills

Sample Id: **SP-1 Surface** Matrix: Soil Date Received: 03.25.2020 11:00
 Lab Sample Id: 656759-001 Date Collected: 03.18.2020 09:00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.25.2020 15:10 Basis: Wet Weight
 Seq Number: 3120976

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<4.99	4.99	mg/kg	03.26.2020 09:56	U	1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: DVM % Moisture:
 Analyst: ARM Date Prep: 03.26.2020 16:00 Basis: Wet Weight
 Seq Number: 3121187

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	4120	250	mg/kg	03.27.2020 04:43		5
Diesel Range Organics (DRO)	C10C28DRO	30000	250	mg/kg	03.27.2020 04:43		5
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	2740	250	mg/kg	03.27.2020 04:43		5
Total TPH	PHC635	36900	250	mg/kg	03.27.2020 04:43		5

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	128	%	70-135	03.27.2020 04:43	
o-Terphenyl	84-15-1	100	%	70-135	03.27.2020 04:43	



Certificate of Analytical Results 656759

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM South Loco Hills

Sample Id: **SP-1 Surface**

Matrix: Soil

Date Received: 03.25.2020 11:00

Lab Sample Id: 656759-001

Date Collected: 03.18.2020 09:00

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 03.27.2020 16:30

Basis: Wet Weight

Seq Number: 3121379

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	0.202	0.199	mg/kg	03.28.2020 18:28		100
Toluene	108-88-3	7.30	0.199	mg/kg	03.28.2020 18:28		100
Ethylbenzene	100-41-4	32.6	0.199	mg/kg	03.28.2020 18:28		100
m,p-Xylenes	179601-23-1	43.5	0.398	mg/kg	03.28.2020 18:28		100
o-Xylene	95-47-6	23.9	0.199	mg/kg	03.28.2020 18:28		100
Total Xylenes	1330-20-7	67.4	0.199	mg/kg	03.28.2020 18:28		100
Total BTEX		108	0.199	mg/kg	03.28.2020 18:28		100
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	242	%	70-130	03.28.2020 18:28	**	
1,4-Difluorobenzene	540-36-3	105	%	70-130	03.28.2020 18:28		



Certificate of Analytical Results 656759

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM South Loco Hills

Sample Id: **SP-1 @ 4 ft** Matrix: Soil Date Received: 03.25.2020 11:00
 Lab Sample Id: 656759-002 Date Collected: 03.18.2020 09:30 Sample Depth: 4 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.25.2020 15:10 Basis: Wet Weight
 Seq Number: 3120976

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	42.6	5.00	mg/kg	03.26.2020 10:01		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: DVM % Moisture:
 Analyst: ARM Date Prep: 03.26.2020 16:00 Basis: Wet Weight
 Seq Number: 3121187

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	1410	250	mg/kg	03.27.2020 05:04		5
Diesel Range Organics (DRO)	C10C28DRO	11000	250	mg/kg	03.27.2020 05:04		5
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	1090	250	mg/kg	03.27.2020 05:04		5
Total TPH	PHC635	13500	250	mg/kg	03.27.2020 05:04		5

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	125	%	70-135	03.27.2020 05:04	
o-Terphenyl	84-15-1	120	%	70-135	03.27.2020 05:04	



Certificate of Analytical Results 656759

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM South Loco Hills

Sample Id: **SP-1 @ 4 ft**

Matrix: Soil

Date Received: 03.25.2020 11:00

Lab Sample Id: 656759-002

Date Collected: 03.18.2020 09:30

Sample Depth: 4 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 03.27.2020 16:30

Basis: Wet Weight

Seq Number: 3121379

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.0998	0.0998	mg/kg	03.28.2020 16:26	U	50
Toluene	108-88-3	0.776	0.0998	mg/kg	03.28.2020 16:26		50
Ethylbenzene	100-41-4	4.45	0.0998	mg/kg	03.28.2020 16:26		50
m,p-Xylenes	179601-23-1	4.95	0.200	mg/kg	03.28.2020 16:26		50
o-Xylene	95-47-6	4.25	0.0998	mg/kg	03.28.2020 16:26		50
Total Xylenes	1330-20-7	9.20	0.0998	mg/kg	03.28.2020 16:26		50
Total BTEX		14.4	0.0998	mg/kg	03.28.2020 16:26		50
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	142	%	70-130	03.28.2020 16:26	**	
1,4-Difluorobenzene	540-36-3	99	%	70-130	03.28.2020 16:26		



Certificate of Analytical Results 656759

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM South Loco Hills

Sample Id: **SP-2 Surface** Matrix: Soil Date Received: 03.25.2020 11:00
 Lab Sample Id: 656759-003 Date Collected: 03.18.2020 09:40
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.25.2020 15:10 Basis: Wet Weight
 Seq Number: 3120976

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	11.4	5.02	mg/kg	03.26.2020 10:06		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: DVM % Moisture:
 Analyst: ARM Date Prep: 03.26.2020 16:00 Basis: Wet Weight
 Seq Number: 3121187

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	1750	250	mg/kg	03.27.2020 05:26		5
Diesel Range Organics (DRO)	C10C28DRO	13900	250	mg/kg	03.27.2020 05:26		5
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	1340	250	mg/kg	03.27.2020 05:26		5
Total TPH	PHC635	17000	250	mg/kg	03.27.2020 05:26		5

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	128	%	70-135	03.27.2020 05:26	
o-Terphenyl	84-15-1	106	%	70-135	03.27.2020 05:26	



Certificate of Analytical Results 656759

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM South Loco Hills

Sample Id: **SP-2 Surface**

Matrix: Soil

Date Received: 03.25.2020 11:00

Lab Sample Id: 656759-003

Date Collected: 03.18.2020 09:40

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 03.27.2020 16:30

Basis: Wet Weight

Seq Number: 3121379

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.100	0.100	mg/kg	03.28.2020 16:46	U	50
Toluene	108-88-3	2.24	0.100	mg/kg	03.28.2020 16:46		50
Ethylbenzene	100-41-4	14.9	0.100	mg/kg	03.28.2020 16:46		50
m,p-Xylenes	179601-23-1	20.4	0.200	mg/kg	03.28.2020 16:46		50
o-Xylene	95-47-6	11.5	0.100	mg/kg	03.28.2020 16:46		50
Total Xylenes	1330-20-7	31.9	0.100	mg/kg	03.28.2020 16:46		50
Total BTEX		49.0	0.100	mg/kg	03.28.2020 16:46		50
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	270	%	70-130	03.28.2020 16:46	**	
1,4-Difluorobenzene	540-36-3	103	%	70-130	03.28.2020 16:46		



Certificate of Analytical Results 656759

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM South Loco Hills

Sample Id: **SP-2 2 ft** Matrix: Soil Date Received: 03.25.2020 11:00
 Lab Sample Id: 656759-004 Date Collected: 03.18.2020 09:55 Sample Depth: 2 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.25.2020 15:10 Basis: Wet Weight
 Seq Number: 3120976

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<5.02	5.02	mg/kg	03.26.2020 10:12	U	1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: DVM % Moisture:
 Analyst: ARM Date Prep: 03.26.2020 16:00 Basis: Wet Weight
 Seq Number: 3121187

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	03.27.2020 05:48	U	1
Diesel Range Organics (DRO)	C10C28DRO	480	49.9	mg/kg	03.27.2020 05:48		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	74.7	49.9	mg/kg	03.27.2020 05:48		1
Total TPH	PHC635	555	49.9	mg/kg	03.27.2020 05:48		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	107	%	70-135	03.27.2020 05:48	
o-Terphenyl	84-15-1	116	%	70-135	03.27.2020 05:48	



Certificate of Analytical Results 656759

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM South Loco Hills

Sample Id: **SP-2 2 ft**
Lab Sample Id: 656759-004

Matrix: Soil
Date Collected: 03.18.2020 09:55

Date Received: 03.25.2020 11:00
Sample Depth: 2 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 03.30.2020 08:30

Basis: Wet Weight

Seq Number: 3121378

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.30.2020 13:29	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.30.2020 13:29	U	1
Ethylbenzene	100-41-4	0.00452	0.00200	mg/kg	03.30.2020 13:29		1
m,p-Xylenes	179601-23-1	0.00756	0.00399	mg/kg	03.30.2020 13:29		1
o-Xylene	95-47-6	0.00728	0.00200	mg/kg	03.30.2020 13:29		1
Total Xylenes	1330-20-7	0.0148	0.00200	mg/kg	03.30.2020 13:29		1
Total BTEX		0.0194	0.00200	mg/kg	03.30.2020 13:29		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	107	%	70-130	03.30.2020 13:29		
4-Bromofluorobenzene	460-00-4	104	%	70-130	03.30.2020 13:29		



Certificate of Analytical Results 656759

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM South Loco Hills

Sample Id: **SP-3 Surface** Matrix: Soil Date Received: 03.25.2020 11:00
 Lab Sample Id: 656759-005 Date Collected: 03.18.2020 10:00
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.25.2020 15:30 Basis: Wet Weight
 Seq Number: 3120940

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<4.99	4.99	mg/kg	03.25.2020 22:53	U	1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: DVM % Moisture:
 Analyst: ARM Date Prep: 03.26.2020 16:00 Basis: Wet Weight
 Seq Number: 3121187

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	7390	500	mg/kg	03.27.2020 06:09		10
Diesel Range Organics (DRO)	C10C28DRO	45500	500	mg/kg	03.27.2020 06:09		10
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	4420	500	mg/kg	03.27.2020 06:09		10
Total TPH	PHC635	57300	500	mg/kg	03.27.2020 06:09		10

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	98	%	70-135	03.27.2020 06:09	
o-Terphenyl	84-15-1	96	%	70-135	03.27.2020 06:09	



Certificate of Analytical Results 656759

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM South Loco Hills

Sample Id: **SP-3 Surface**

Matrix: Soil

Date Received: 03.25.2020 11:00

Lab Sample Id: 656759-005

Date Collected: 03.18.2020 10:00

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 03.27.2020 16:30

Basis: Wet Weight

Seq Number: 3121379

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	0.588	0.198	mg/kg	03.28.2020 18:48		100
Toluene	108-88-3	9.67	0.198	mg/kg	03.28.2020 18:48		100
Ethylbenzene	100-41-4	22.3	0.198	mg/kg	03.28.2020 18:48		100
m,p-Xylenes	179601-23-1	49.8	0.397	mg/kg	03.28.2020 18:48		100
o-Xylene	95-47-6	32.5	0.198	mg/kg	03.28.2020 18:48		100
Total Xylenes	1330-20-7	82.3	0.198	mg/kg	03.28.2020 18:48		100
Total BTEX		115	0.198	mg/kg	03.28.2020 18:48		100
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	229	%	70-130	03.28.2020 18:48	**	
1,4-Difluorobenzene	540-36-3	105	%	70-130	03.28.2020 18:48		



Certificate of Analytical Results 656759

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM South Loco Hills

Sample Id: **SP-3 @ 2 ft** Matrix: Soil Date Received: 03.25.2020 11:00
 Lab Sample Id: 656759-006 Date Collected: 03.18.2020 10:20 Sample Depth: 2 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.25.2020 15:30 Basis: Wet Weight
 Seq Number: 3120940

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	17.5	5.01	mg/kg	03.25.2020 23:09		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: DVM % Moisture:
 Analyst: ARM Date Prep: 03.26.2020 16:00 Basis: Wet Weight
 Seq Number: 3121187

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	03.27.2020 06:36	U	1
Diesel Range Organics (DRO)	C10C28DRO	541	49.8	mg/kg	03.27.2020 06:36		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	99.5	49.8	mg/kg	03.27.2020 06:36		1
Total TPH	PHC635	641	49.8	mg/kg	03.27.2020 06:36		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	110	%	70-135	03.27.2020 06:36	
o-Terphenyl	84-15-1	115	%	70-135	03.27.2020 06:36	



Certificate of Analytical Results 656759

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM South Loco Hills

Sample Id: **SP-3 @ 2 ft**

Matrix: Soil

Date Received: 03.25.2020 11:00

Lab Sample Id: 656759-006

Date Collected: 03.18.2020 10:20

Sample Depth: 2 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 03.27.2020 16:30

Basis: Wet Weight

Seq Number: 3121379

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.0398	0.0398	mg/kg	03.28.2020 14:43	U	20
Toluene	108-88-3	0.0604	0.0398	mg/kg	03.28.2020 14:43		20
Ethylbenzene	100-41-4	0.148	0.0398	mg/kg	03.28.2020 14:43		20
m,p-Xylenes	179601-23-1	0.130	0.0797	mg/kg	03.28.2020 14:43		20
o-Xylene	95-47-6	0.106	0.0398	mg/kg	03.28.2020 14:43		20
Total Xylenes	1330-20-7	0.236	0.0398	mg/kg	03.28.2020 14:43		20
Total BTEX		0.444	0.0398	mg/kg	03.28.2020 14:43		20
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	106	%	70-130	03.28.2020 14:43		
4-Bromofluorobenzene	460-00-4	134	%	70-130	03.28.2020 14:43	**	



Certificate of Analytical Results 656759

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM South Loco Hills

Sample Id: **SP-4 Surface** Matrix: Soil Date Received: 03.25.2020 11:00
 Lab Sample Id: 656759-007 Date Collected: 03.18.2020 10:25
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.25.2020 15:30 Basis: Wet Weight
 Seq Number: 3120940

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	14.7	5.00	mg/kg	03.25.2020 23:14		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: DVM % Moisture:
 Analyst: ARM Date Prep: 03.26.2020 16:00 Basis: Wet Weight
 Seq Number: 3121187

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	9040	250	mg/kg	03.27.2020 06:57		5
Diesel Range Organics (DRO)	C10C28DRO	30500	250	mg/kg	03.27.2020 06:57		5
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	2620	250	mg/kg	03.27.2020 06:57		5
Total TPH	PHC635	42200	250	mg/kg	03.27.2020 06:57		5

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	108	%	70-135	03.27.2020 06:57	
o-Terphenyl	84-15-1	99	%	70-135	03.27.2020 06:57	



Certificate of Analytical Results 656759

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM South Loco Hills

Sample Id: **SP-4 Surface**

Matrix: Soil

Date Received: 03.25.2020 11:00

Lab Sample Id: 656759-007

Date Collected: 03.18.2020 10:25

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 03.27.2020 16:30

Basis: Wet Weight

Seq Number: 3121379

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	1.62	0.199	mg/kg	03.28.2020 19:09		100
Toluene	108-88-3	80.1	0.996	mg/kg	03.30.2020 20:34	D	500
Ethylbenzene	100-41-4	123	0.996	mg/kg	03.30.2020 20:34	D	500
m,p-Xylenes	179601-23-1	142	1.99	mg/kg	03.30.2020 20:34	D	500
o-Xylene	95-47-6	60.1	0.996	mg/kg	03.30.2020 20:34	D	500
Total Xylenes	1330-20-7	202	0.996	mg/kg	03.30.2020 20:34		500
Total BTEX		407	0.199	mg/kg	03.30.2020 20:34		500
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	120	%	70-130	03.28.2020 19:09		
4-Bromofluorobenzene	460-00-4	329	%	70-130	03.28.2020 19:09	**	



Certificate of Analytical Results 656759

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM South Loco Hills

Sample Id: **SP-4 @2 ft** Matrix: Soil Date Received: 03.25.2020 11:00
 Lab Sample Id: 656759-008 Date Collected: 03.18.2020 10:45 Sample Depth: 2 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.25.2020 15:30 Basis: Wet Weight
 Seq Number: 3120940

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<4.98	4.98	mg/kg	03.25.2020 23:19	U	1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: DVM % Moisture:
 Analyst: ARM Date Prep: 03.26.2020 16:00 Basis: Wet Weight
 Seq Number: 3121187

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	2030	249	mg/kg	03.27.2020 07:18		5
Diesel Range Organics (DRO)	C10C28DRO	9950	249	mg/kg	03.27.2020 07:18		5
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	968	249	mg/kg	03.27.2020 07:18		5
Total TPH	PHC635	12900	249	mg/kg	03.27.2020 07:18		5

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	129	%	70-135	03.27.2020 07:18	
o-Terphenyl	84-15-1	108	%	70-135	03.27.2020 07:18	



Certificate of Analytical Results 656759

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM South Loco Hills

Sample Id: **SP-4 @2 ft**

Matrix: Soil

Date Received: 03.25.2020 11:00

Lab Sample Id: 656759-008

Date Collected: 03.18.2020 10:45

Sample Depth: 2 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 03.27.2020 16:30

Basis: Wet Weight

Seq Number: 3121379

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	0.349	0.200	mg/kg	03.28.2020 19:29		100
Toluene	108-88-3	6.29	0.200	mg/kg	03.28.2020 19:29		100
Ethylbenzene	100-41-4	21.9	0.200	mg/kg	03.28.2020 19:29		100
m,p-Xylenes	179601-23-1	24.8	0.401	mg/kg	03.28.2020 19:29		100
o-Xylene	95-47-6	12.4	0.200	mg/kg	03.28.2020 19:29		100
Total Xylenes	1330-20-7	37.2	0.200	mg/kg	03.28.2020 19:29		100
Total BTEX		65.7	0.200	mg/kg	03.28.2020 19:29		100
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	196	%	70-130	03.28.2020 19:29	**	
1,4-Difluorobenzene	540-36-3	112	%	70-130	03.28.2020 19:29		



Certificate of Analytical Results 656759

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM South Loco Hills

Sample Id: **SP-1 West @ 1 ft** Matrix: Soil Date Received: 03.25.2020 11:00
 Lab Sample Id: 656759-009 Date Collected: 03.19.2020 09:35 Sample Depth: 1 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.25.2020 15:30 Basis: Wet Weight
 Seq Number: 3120940

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	871	5.02	mg/kg	03.25.2020 23:24		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: DVM % Moisture:
 Analyst: ARM Date Prep: 03.26.2020 16:00 Basis: Wet Weight
 Seq Number: 3121187

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	03.27.2020 09:24	U	1
Diesel Range Organics (DRO)	C10C28DRO	150	49.8	mg/kg	03.27.2020 09:24		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	03.27.2020 09:24	U	1
Total TPH	PHC635	150	49.8	mg/kg	03.27.2020 09:24		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	103	%	70-135	03.27.2020 09:24	
o-Terphenyl	84-15-1	106	%	70-135	03.27.2020 09:24	



Certificate of Analytical Results 656759

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM South Loco Hills

Sample Id: **SP-1 West @ 1 ft** Matrix: Soil Date Received: 03.25.2020 11:00
 Lab Sample Id: 656759-009 Date Collected: 03.19.2020 09:35 Sample Depth: 1 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5030B
 Tech: KTL % Moisture:
 Analyst: KTL Date Prep: 03.27.2020 16:30 Basis: Wet Weight
 Seq Number: 3121379

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.100	0.100	mg/kg	03.28.2020 17:06	U	50
Toluene	108-88-3	0.149	0.100	mg/kg	03.28.2020 17:06		50
Ethylbenzene	100-41-4	0.797	0.100	mg/kg	03.28.2020 17:06		50
m,p-Xylenes	179601-23-1	0.838	0.200	mg/kg	03.28.2020 17:06		50
o-Xylene	95-47-6	0.597	0.100	mg/kg	03.28.2020 17:06		50
Total Xylenes	1330-20-7	1.44	0.100	mg/kg	03.28.2020 17:06		50
Total BTEX		2.38	0.100	mg/kg	03.28.2020 17:06		50
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	139	%	70-130	03.28.2020 17:06	**	
1,4-Difluorobenzene	540-36-3	104	%	70-130	03.28.2020 17:06		



Certificate of Analytical Results 656759

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM South Loco Hills

Sample Id: **SP-1 West @ 2 ft** Matrix: Soil Date Received: 03.25.2020 11:00
 Lab Sample Id: 656759-010 Date Collected: 03.19.2020 09:40 Sample Depth: 2 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.25.2020 15:30 Basis: Wet Weight
 Seq Number: 3120940

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	533	5.05	mg/kg	03.25.2020 23:40		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: DVM % Moisture:
 Analyst: ARM Date Prep: 03.26.2020 16:00 Basis: Wet Weight
 Seq Number: 3121187

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	03.27.2020 09:45	U	1
Diesel Range Organics (DRO)	C10C28DRO	183	50.0	mg/kg	03.27.2020 09:45		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	58.3	50.0	mg/kg	03.27.2020 09:45		1
Total TPH	PHC635	241	50.0	mg/kg	03.27.2020 09:45		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	116	%	70-135	03.27.2020 09:45	
o-Terphenyl	84-15-1	107	%	70-135	03.27.2020 09:45	



Certificate of Analytical Results 656759

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM South Loco Hills

Sample Id: **SP-1 West @ 2 ft** Matrix: Soil Date Received: 03.25.2020 11:00
 Lab Sample Id: 656759-010 Date Collected: 03.19.2020 09:40 Sample Depth: 2 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5030B
 Tech: KTL % Moisture:
 Analyst: KTL Date Prep: 03.27.2020 16:30 Basis: Wet Weight
 Seq Number: 3121379

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.0397	0.0397	mg/kg	03.28.2020 15:03	U	20
Toluene	108-88-3	0.0440	0.0397	mg/kg	03.28.2020 15:03		20
Ethylbenzene	100-41-4	0.0540	0.0397	mg/kg	03.28.2020 15:03		20
m,p-Xylenes	179601-23-1	<0.0794	0.0794	mg/kg	03.28.2020 15:03	U	20
o-Xylene	95-47-6	<0.0397	0.0397	mg/kg	03.28.2020 15:03	U	20
Total Xylenes	1330-20-7	<0.0397	0.0397	mg/kg	03.28.2020 15:03	U	20
Total BTEX		0.0980	0.0397	mg/kg	03.28.2020 15:03		20
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	107	%	70-130	03.28.2020 15:03		
4-Bromofluorobenzene	460-00-4	134	%	70-130	03.28.2020 15:03	**	



Certificate of Analytical Results 656759

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM South Loco Hills

Sample Id: **SP-1 South @ 1ft** Matrix: Soil Date Received: 03.25.2020 11:00
 Lab Sample Id: 656759-011 Date Collected: 03.19.2020 09:55 Sample Depth: 1 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.25.2020 15:30 Basis: Wet Weight
 Seq Number: 3120940

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	795	5.05	mg/kg	03.25.2020 23:46		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: DVM % Moisture:
 Analyst: ARM Date Prep: 03.26.2020 16:00 Basis: Wet Weight
 Seq Number: 3121187

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	03.27.2020 10:05	U	1
Diesel Range Organics (DRO)	C10C28DRO	140	50.0	mg/kg	03.27.2020 10:05		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	03.27.2020 10:05	U	1
Total TPH	PHC635	140	50.0	mg/kg	03.27.2020 10:05		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	115	%	70-135	03.27.2020 10:05	
o-Terphenyl	84-15-1	107	%	70-135	03.27.2020 10:05	



Certificate of Analytical Results 656759

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM South Loco Hills

Sample Id: **SP-1 South @ 1ft** Matrix: Soil Date Received: 03.25.2020 11:00
 Lab Sample Id: 656759-011 Date Collected: 03.19.2020 09:55 Sample Depth: 1 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5030B
 Tech: KTL % Moisture:
 Analyst: KTL Date Prep: 03.27.2020 16:30 Basis: Wet Weight
 Seq Number: 3121379

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.0199	0.0199	mg/kg	03.28.2020 12:41	U	10
Toluene	108-88-3	0.0423	0.0199	mg/kg	03.28.2020 12:41		10
Ethylbenzene	100-41-4	<0.0199	0.0199	mg/kg	03.28.2020 12:41	U	10
m,p-Xylenes	179601-23-1	<0.0398	0.0398	mg/kg	03.28.2020 12:41	U	10
o-Xylene	95-47-6	<0.0199	0.0199	mg/kg	03.28.2020 12:41	U	10
Total Xylenes	1330-20-7	<0.0199	0.0199	mg/kg	03.28.2020 12:41	U	10
Total BTEX		0.0423	0.0199	mg/kg	03.28.2020 12:41		10
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	116	%	70-130	03.28.2020 12:41		
4-Bromofluorobenzene	460-00-4	143	%	70-130	03.28.2020 12:41	**	



Certificate of Analytical Results 656759

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM South Loco Hills

Sample Id: **SP-1 South @ 2ft** Matrix: Soil Date Received: 03.25.2020 11:00
 Lab Sample Id: 656759-012 Date Collected: 03.19.2020 10:00 Sample Depth: 2 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.25.2020 15:30 Basis: Wet Weight
 Seq Number: 3120940

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	637	5.02	mg/kg	03.25.2020 23:51		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: DVM % Moisture:
 Analyst: ARM Date Prep: 03.26.2020 16:00 Basis: Wet Weight
 Seq Number: 3121187

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	03.27.2020 06:36	U	1
Diesel Range Organics (DRO)	C10C28DRO	86.6	49.9	mg/kg	03.27.2020 06:36		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	03.27.2020 06:36	U	1
Total TPH	PHC635	86.6	49.9	mg/kg	03.27.2020 06:36		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	104	%	70-135	03.27.2020 06:36	
o-Terphenyl	84-15-1	110	%	70-135	03.27.2020 06:36	



Certificate of Analytical Results 656759

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM South Loco Hills

Sample Id: **SP-1 South @ 2ft**

Matrix: Soil

Date Received: 03.25.2020 11:00

Lab Sample Id: 656759-012

Date Collected: 03.19.2020 10:00

Sample Depth: 2 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 03.27.2020 16:30

Basis: Wet Weight

Seq Number: 3121379

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.0199	0.0199	mg/kg	03.28.2020 13:01	U	10
Toluene	108-88-3	0.0417	0.0199	mg/kg	03.28.2020 13:01		10
Ethylbenzene	100-41-4	0.0269	0.0199	mg/kg	03.28.2020 13:01		10
m,p-Xylenes	179601-23-1	0.0434	0.0398	mg/kg	03.28.2020 13:01		10
o-Xylene	95-47-6	<0.0199	0.0199	mg/kg	03.28.2020 13:01	U	10
Total Xylenes	1330-20-7	0.0434	0.0199	mg/kg	03.28.2020 13:01		10
Total BTEX		0.112	0.0199	mg/kg	03.28.2020 13:01		10
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	144	%	70-130	03.28.2020 13:01	**	
1,4-Difluorobenzene	540-36-3	122	%	70-130	03.28.2020 13:01		



Certificate of Analytical Results 656759

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM South Loco Hills

Sample Id: **SP-2 West @ 1 ft** Matrix: Soil Date Received: 03.25.2020 11:00
 Lab Sample Id: 656759-013 Date Collected: 03.19.2020 10:15 Sample Depth: 1 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.25.2020 15:30 Basis: Wet Weight
 Seq Number: 3120940

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	34.4	5.04	mg/kg	03.25.2020 23:56		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: DVM % Moisture:
 Analyst: ARM Date Prep: 03.26.2020 16:00 Basis: Wet Weight
 Seq Number: 3121187

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	03.27.2020 06:57	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	03.27.2020 06:57	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	03.27.2020 06:57	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	03.27.2020 06:57	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	101	%	70-135	03.27.2020 06:57	
o-Terphenyl	84-15-1	110	%	70-135	03.27.2020 06:57	



Certificate of Analytical Results 656759

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM South Loco Hills

Sample Id: **SP-2 West @ 1 ft** Matrix: Soil Date Received: 03.25.2020 11:00
 Lab Sample Id: 656759-013 Date Collected: 03.19.2020 10:15 Sample Depth: 1 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5030B
 Tech: KTL % Moisture:
 Analyst: KTL Date Prep: 03.27.2020 16:30 Basis: Wet Weight
 Seq Number: 3121379

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.0200	0.0200	mg/kg	03.28.2020 13:21	U	10
Toluene	108-88-3	0.0464	0.0200	mg/kg	03.28.2020 13:21		10
Ethylbenzene	100-41-4	<0.0200	0.0200	mg/kg	03.28.2020 13:21	U	10
m,p-Xylenes	179601-23-1	<0.0400	0.0400	mg/kg	03.28.2020 13:21	U	10
o-Xylene	95-47-6	<0.0200	0.0200	mg/kg	03.28.2020 13:21	U	10
Total Xylenes	1330-20-7	<0.0200	0.0200	mg/kg	03.28.2020 13:21	U	10
Total BTEX		0.0464	0.0200	mg/kg	03.28.2020 13:21		10
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	117	%	70-130	03.28.2020 13:21		
4-Bromofluorobenzene	460-00-4	158	%	70-130	03.28.2020 13:21	**	



Certificate of Analytical Results 656759

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM South Loco Hills

Sample Id: **SP-2 West @ 2 ft** Matrix: Soil Date Received: 03.25.2020 11:00
 Lab Sample Id: 656759-014 Date Collected: 03.19.2020 10:20 Sample Depth: 2 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.25.2020 15:30 Basis: Wet Weight
 Seq Number: 3120940

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	148	4.97	mg/kg	03.26.2020 00:01		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: DVM % Moisture:
 Analyst: ARM Date Prep: 03.26.2020 16:00 Basis: Wet Weight
 Seq Number: 3121187

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	03.27.2020 07:18	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	03.27.2020 07:18	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	03.27.2020 07:18	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	03.27.2020 07:18	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	108	%	70-135	03.27.2020 07:18	
o-Terphenyl	84-15-1	113	%	70-135	03.27.2020 07:18	



Certificate of Analytical Results 656759

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM South Loco Hills

Sample Id: **SP-2 West @ 2 ft** Matrix: Soil Date Received: 03.25.2020 11:00
 Lab Sample Id: 656759-014 Date Collected: 03.19.2020 10:20 Sample Depth: 2 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5030B
 Tech: KTL % Moisture:
 Analyst: KTL Date Prep: 03.27.2020 16:30 Basis: Wet Weight
 Seq Number: 3121379

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.0202	0.0202	mg/kg	03.28.2020 13:42	U	10
Toluene	108-88-3	0.0468	0.0202	mg/kg	03.28.2020 13:42		10
Ethylbenzene	100-41-4	<0.0202	0.0202	mg/kg	03.28.2020 13:42	U	10
m,p-Xylenes	179601-23-1	<0.0403	0.0403	mg/kg	03.28.2020 13:42	U	10
o-Xylene	95-47-6	<0.0202	0.0202	mg/kg	03.28.2020 13:42	U	10
Total Xylenes	1330-20-7	<0.0202	0.0202	mg/kg	03.28.2020 13:42	U	10
Total BTEX		0.0468	0.0202	mg/kg	03.28.2020 13:42		10
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	153	%	70-130	03.28.2020 13:42	**	
1,4-Difluorobenzene	540-36-3	118	%	70-130	03.28.2020 13:42		



Certificate of Analytical Results 656759

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM South Loco Hills

Sample Id: **SP-3 West @ Surface**

Matrix: Soil

Date Received: 03.25.2020 11:00

Lab Sample Id: 656759-015

Date Collected: 03.19.2020 10:30

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 03.25.2020 15:30

Basis: Wet Weight

Seq Number: 3120940

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	9.57	4.98	mg/kg	03.26.2020 00:07		1

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 03.26.2020 16:00

Basis: Wet Weight

Seq Number: 3121187

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	03.27.2020 07:39	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	03.27.2020 07:39	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	03.27.2020 07:39	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	03.27.2020 07:39	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	108	%	70-135	03.27.2020 07:39	
o-Terphenyl	84-15-1	115	%	70-135	03.27.2020 07:39	



Certificate of Analytical Results 656759

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM South Loco Hills

Sample Id: **SP-3 West @ Surface**

Matrix: Soil

Date Received: 03.25.2020 11:00

Lab Sample Id: 656759-015

Date Collected: 03.19.2020 10:30

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 03.27.2020 16:30

Basis: Wet Weight

Seq Number: 3121379

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.0198	0.0198	mg/kg	03.28.2020 14:02	U	10
Toluene	108-88-3	0.0420	0.0198	mg/kg	03.28.2020 14:02		10
Ethylbenzene	100-41-4	<0.0198	0.0198	mg/kg	03.28.2020 14:02	U	10
m,p-Xylenes	179601-23-1	<0.0397	0.0397	mg/kg	03.28.2020 14:02	U	10
o-Xylene	95-47-6	0.0250	0.0198	mg/kg	03.28.2020 14:02		10
Total Xylenes	1330-20-7	0.0250	0.0198	mg/kg	03.28.2020 14:02		10
Total BTEX		0.0670	0.0198	mg/kg	03.28.2020 14:02		10
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	148	%	70-130	03.28.2020 14:02	**	
1,4-Difluorobenzene	540-36-3	115	%	70-130	03.28.2020 14:02		



Certificate of Analytical Results 656759

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM South Loco Hills

Sample Id: **SP-3 West @ 2 ft** Matrix: Soil Date Received: 03.25.2020 11:00
 Lab Sample Id: 656759-016 Date Collected: 03.19.2020 10:40 Sample Depth: 2 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.25.2020 15:30 Basis: Wet Weight
 Seq Number: 3120940

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	8.58	4.95	mg/kg	03.26.2020 00:22		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: DVM % Moisture:
 Analyst: ARM Date Prep: 03.26.2020 16:00 Basis: Wet Weight
 Seq Number: 3121187

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	805	50.0	mg/kg	03.27.2020 10:26		1
Diesel Range Organics (DRO)	C10C28DRO	2620	50.0	mg/kg	03.27.2020 10:26		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	217	50.0	mg/kg	03.27.2020 10:26		1
Total TPH	PHC635	3640	50.0	mg/kg	03.27.2020 10:26		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	118	%	70-135	03.27.2020 10:26	
o-Terphenyl	84-15-1	115	%	70-135	03.27.2020 10:26	



Certificate of Analytical Results 656759

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM South Loco Hills

Sample Id: **SP-3 West @ 2 ft** Matrix: Soil Date Received: 03.25.2020 11:00
 Lab Sample Id: 656759-016 Date Collected: 03.19.2020 10:40 Sample Depth: 2 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5030B
 Tech: KTL % Moisture:
 Analyst: KTL Date Prep: 03.27.2020 13:30 Basis: Wet Weight
 Seq Number: 3121384

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.0996	0.0996	mg/kg	03.28.2020 22:36	U	50
Toluene	108-88-3	3.04	0.0996	mg/kg	03.28.2020 22:36		50
Ethylbenzene	100-41-4	9.54	0.0996	mg/kg	03.28.2020 22:36		50
m,p-Xylenes	179601-23-1	11.9	0.199	mg/kg	03.28.2020 22:36		50
o-Xylene	95-47-6	5.66	0.0996	mg/kg	03.28.2020 22:36		50
Total Xylenes	1330-20-7	17.6	0.0996	mg/kg	03.28.2020 22:36		50
Total BTEX		30.1	0.0996	mg/kg	03.28.2020 22:36		50
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	194	%	70-130	03.28.2020 22:36	**	
1,4-Difluorobenzene	540-36-3	102	%	70-130	03.28.2020 22:36		



Certificate of Analytical Results 656759

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM South Loco Hills

Sample Id: **SP-3 East @ Surface**

Matrix: Soil

Date Received: 03.25.2020 11:00

Lab Sample Id: 656759-017

Date Collected: 03.19.2020 10:50

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 03.25.2020 15:30

Basis: Wet Weight

Seq Number: 3120940

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<5.05	5.05	mg/kg	03.26.2020 00:28	U	1

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 03.26.2020 16:00

Basis: Wet Weight

Seq Number: 3121187

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<250	250	mg/kg	03.27.2020 08:21	U	5
Diesel Range Organics (DRO)	C10C28DRO	6310	250	mg/kg	03.27.2020 08:21		5
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	1340	250	mg/kg	03.27.2020 08:21		5
Total TPH	PHC635	7650	250	mg/kg	03.27.2020 08:21		5

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	119	%	70-135	03.27.2020 08:21	
o-Terphenyl	84-15-1	127	%	70-135	03.27.2020 08:21	



Certificate of Analytical Results 656759

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM South Loco Hills

Sample Id: **SP-3 East @ Surface**

Matrix: Soil

Date Received: 03.25.2020 11:00

Lab Sample Id: 656759-017

Date Collected: 03.19.2020 10:50

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 03.27.2020 13:30

Basis: Wet Weight

Seq Number: 3121384

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	0.00382	0.00201	mg/kg	03.28.2020 14:57	X	1
Toluene	108-88-3	0.0551	0.00201	mg/kg	03.28.2020 14:57	XF	1
Ethylbenzene	100-41-4	0.0466	0.00201	mg/kg	03.28.2020 14:57	XF	1
m,p-Xylenes	179601-23-1	0.0433	0.00402	mg/kg	03.28.2020 14:57	XF	1
o-Xylene	95-47-6	0.0215	0.00201	mg/kg	03.28.2020 14:57	XF	1
Total Xylenes	1330-20-7	0.0648	0.00201	mg/kg	03.28.2020 14:57		1
Total BTEX		0.170	0.00201	mg/kg	03.28.2020 14:57		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	75	%	70-130	03.28.2020 14:57		
1,4-Difluorobenzene	540-36-3	123	%	70-130	03.28.2020 14:57		



Certificate of Analytical Results 656759

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM South Loco Hills

Sample Id: **SP-3 East @ 2 ft** Matrix: Soil Date Received: 03.25.2020 11:00
 Lab Sample Id: 656759-018 Date Collected: 03.19.2020 11:00 Sample Depth: 2 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.25.2020 15:30 Basis: Wet Weight
 Seq Number: 3120940

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<4.99	4.99	mg/kg	03.26.2020 00:44	U	1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: DVM % Moisture:
 Analyst: ARM Date Prep: 03.26.2020 16:00 Basis: Wet Weight
 Seq Number: 3121187

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	03.27.2020 08:42	U	1
Diesel Range Organics (DRO)	C10C28DRO	70.1	49.9	mg/kg	03.27.2020 08:42		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	03.27.2020 08:42	U	1
Total TPH	PHC635	70.1	49.9	mg/kg	03.27.2020 08:42		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	104	%	70-135	03.27.2020 08:42	
o-Terphenyl	84-15-1	113	%	70-135	03.27.2020 08:42	



Certificate of Analytical Results 656759

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM South Loco Hills

Sample Id: **SP-3 East @ 2 ft**

Matrix: Soil

Date Received: 03.25.2020 11:00

Lab Sample Id: 656759-018

Date Collected: 03.19.2020 11:00

Sample Depth: 2 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 03.27.2020 13:30

Basis: Wet Weight

Seq Number: 3121384

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	03.28.2020 15:17	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	03.28.2020 15:17	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	03.28.2020 15:17	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	03.28.2020 15:17	U	1
o-Xylene	95-47-6	0.00727	0.00198	mg/kg	03.28.2020 15:17		1
Total Xylenes	1330-20-7	0.00727	0.00198	mg/kg	03.28.2020 15:17		1
Total BTEX		0.00727	0.00198	mg/kg	03.28.2020 15:17		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	81	%	70-130	03.28.2020 15:17		
1,4-Difluorobenzene	540-36-3	122	%	70-130	03.28.2020 15:17		



Certificate of Analytical Results 656759

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM South Loco Hills

Sample Id: **SP-4 West @ Surface**

Matrix: Soil

Date Received: 03.25.2020 11:00

Lab Sample Id: 656759-019

Date Collected: 03.19.2020 11:05

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 03.25.2020 15:30

Basis: Wet Weight

Seq Number: 3120940

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	7.40	5.03	mg/kg	03.26.2020 00:49		1

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 03.28.2020 11:00

Basis: Wet Weight

Seq Number: 3121308

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	03.29.2020 04:56	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	03.29.2020 04:56	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	03.29.2020 04:56	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	03.29.2020 04:56	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	98	%	70-135	03.29.2020 04:56	
o-Terphenyl	84-15-1	108	%	70-135	03.29.2020 04:56	



Certificate of Analytical Results 656759

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM South Loco Hills

Sample Id: **SP-4 West @ Surface**

Matrix: Soil

Date Received: 03.25.2020 11:00

Lab Sample Id: 656759-019

Date Collected: 03.19.2020 11:05

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 03.27.2020 13:30

Basis: Wet Weight

Seq Number: 3121384

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	03.28.2020 15:37	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	03.28.2020 15:37	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	03.28.2020 15:37	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	03.28.2020 15:37	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	03.28.2020 15:37	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	03.28.2020 15:37	U	1
Total BTEX		<0.00199	0.00199	mg/kg	03.28.2020 15:37	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	96	%	70-130	03.28.2020 15:37		
4-Bromofluorobenzene	460-00-4	54	%	70-130	03.28.2020 15:37	**	



Certificate of Analytical Results 656759

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM South Loco Hills

Sample Id: **SP-4 West @ 2 ft** Matrix: Soil Date Received: 03.25.2020 11:00
 Lab Sample Id: 656759-020 Date Collected: 03.19.2020 11:15 Sample Depth: 2 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.25.2020 15:30 Basis: Wet Weight
 Seq Number: 3120940

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	52.3	4.97	mg/kg	03.26.2020 00:54		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: DVM % Moisture:
 Analyst: ARM Date Prep: 03.28.2020 11:00 Basis: Wet Weight
 Seq Number: 3121308

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	03.29.2020 05:17	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	03.29.2020 05:17	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	03.29.2020 05:17	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	03.29.2020 05:17	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	115	%	70-135	03.29.2020 05:17	
o-Terphenyl	84-15-1	123	%	70-135	03.29.2020 05:17	



Certificate of Analytical Results 656759

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM South Loco Hills

Sample Id: **SP-4 West @ 2 ft**

Matrix: Soil

Date Received: 03.25.2020 11:00

Lab Sample Id: 656759-020

Date Collected: 03.19.2020 11:15

Sample Depth: 2 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 03.27.2020 13:30

Basis: Wet Weight

Seq Number: 3121384

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	03.28.2020 15:57	U	1
Toluene	108-88-3	0.00510	0.00201	mg/kg	03.28.2020 15:57		1
Ethylbenzene	100-41-4	0.00224	0.00201	mg/kg	03.28.2020 15:57		1
m,p-Xylenes	179601-23-1	0.0223	0.00402	mg/kg	03.28.2020 15:57		1
o-Xylene	95-47-6	0.0161	0.00201	mg/kg	03.28.2020 15:57		1
Total Xylenes	1330-20-7	0.0384	0.00201	mg/kg	03.28.2020 15:57		1
Total BTEX		0.0457	0.00201	mg/kg	03.28.2020 15:57		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	51	%	70-130	03.28.2020 15:57	**	
1,4-Difluorobenzene	540-36-3	100	%	70-130	03.28.2020 15:57		



Certificate of Analytical Results 656759

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM South Loco Hills

Sample Id: **SP-4 South @ Surface**

Matrix: Soil

Date Received: 03.25.2020 11:00

Lab Sample Id: 656759-021

Date Collected: 03.19.2020 11:30

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 03.25.2020 15:30

Basis: Wet Weight

Seq Number: 3120940

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<4.96	4.96	mg/kg	03.26.2020 00:59	U	1

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 03.28.2020 11:00

Basis: Wet Weight

Seq Number: 3121308

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	03.29.2020 05:38	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	03.29.2020 05:38	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	03.29.2020 05:38	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	03.29.2020 05:38	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	98	%	70-135	03.29.2020 05:38	
o-Terphenyl	84-15-1	110	%	70-135	03.29.2020 05:38	



Certificate of Analytical Results 656759

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM South Loco Hills

Sample Id: **SP-4 South @ Surface**

Matrix: Soil

Date Received: 03.25.2020 11:00

Lab Sample Id: 656759-021

Date Collected: 03.19.2020 11:30

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 03.27.2020 13:30

Basis: Wet Weight

Seq Number: 3121384

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	03.28.2020 16:18	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	03.28.2020 16:18	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	03.28.2020 16:18	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	03.28.2020 16:18	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	03.28.2020 16:18	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	03.28.2020 16:18	U	1
Total BTEX		<0.00199	0.00199	mg/kg	03.28.2020 16:18	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	119	%	70-130	03.28.2020 16:18		
4-Bromofluorobenzene	460-00-4	75	%	70-130	03.28.2020 16:18		



Certificate of Analytical Results 656759

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM South Loco Hills

Sample Id: **SP-4 South @ 2 ft** Matrix: Soil Date Received: 03.25.2020 11:00
 Lab Sample Id: 656759-022 Date Collected: 03.19.2020 11:40 Sample Depth: 2 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 03.25.2020 15:30 Basis: Wet Weight
 Seq Number: 3120940

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<5.01	5.01	mg/kg	03.26.2020 01:05	U	1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: DVM % Moisture:
 Analyst: ARM Date Prep: 03.28.2020 11:00 Basis: Wet Weight
 Seq Number: 3121308

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	03.29.2020 05:59	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	03.29.2020 05:59	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	03.29.2020 05:59	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	03.29.2020 05:59	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	106	%	70-135	03.29.2020 05:59	
o-Terphenyl	84-15-1	116	%	70-135	03.29.2020 05:59	



Certificate of Analytical Results 656759

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM South Loco Hills

Sample Id: **SP-4 South @ 2 ft** Matrix: Soil Date Received: 03.25.2020 11:00
 Lab Sample Id: 656759-022 Date Collected: 03.19.2020 11:40 Sample Depth: 2 ft
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5030B
 Tech: KTL % Moisture:
 Analyst: KTL Date Prep: 03.27.2020 13:30 Basis: Wet Weight
 Seq Number: 3121384

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	03.28.2020 17:36	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	03.28.2020 17:36	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	03.28.2020 17:36	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	03.28.2020 17:36	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	03.28.2020 17:36	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	03.28.2020 17:36	U	1
Total BTEX		<0.00198	0.00198	mg/kg	03.28.2020 17:36	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	72	%	70-130	03.28.2020 17:36		
1,4-Difluorobenzene	540-36-3	109	%	70-130	03.28.2020 17:36		



Flagging Criteria

- X** In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.
- B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
- E** The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- F** RPD exceeded lab control limits.
- J** The target analyte was positively identified below the quantitation limit and above the detection limit.
- U** Analyte was not detected.
- L** The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
- H** The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
- K** Sample analyzed outside of recommended hold time.
- JN** A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit. **ND** Not Detected.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample **BKSD/LCSD** Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate **MS** Matrix Spike **MSD:** Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation



Trinity Oilfield Services & Rentals, LLC
South Loco Hills

Analytical Method: Chloride by EPA 300

Seq Number: 3120976

MB Sample Id: 7699726-1-BLK

Matrix: Solid

LCS Sample Id: 7699726-1-BKS

Prep Method: E300P

Date Prep: 03.25.2020

LCSD Sample Id: 7699726-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<5.00	250	265	106	264	106	90-110	0	20	mg/kg	03.25.2020 19:48	

Analytical Method: Chloride by EPA 300

Seq Number: 3120940

MB Sample Id: 7699728-1-BLK

Matrix: Solid

LCS Sample Id: 7699728-1-BKS

Prep Method: E300P

Date Prep: 03.25.2020

LCSD Sample Id: 7699728-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<5.00	250	276	110	266	106	90-110	4	20	mg/kg	03.25.2020 22:42	

Analytical Method: Chloride by EPA 300

Seq Number: 3120976

Parent Sample Id: 656730-006

Matrix: Soil

MS Sample Id: 656730-006 S

Prep Method: E300P

Date Prep: 03.25.2020

MSD Sample Id: 656730-006 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	7.25	251	262	101	260	101	90-110	1	20	mg/kg	03.25.2020 20:04	

Analytical Method: Chloride by EPA 300

Seq Number: 3120976

Parent Sample Id: 656730-016

Matrix: Soil

MS Sample Id: 656730-016 S

Prep Method: E300P

Date Prep: 03.25.2020

MSD Sample Id: 656730-016 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<5.00	250	253	101	256	102	90-110	1	20	mg/kg	03.26.2020 09:08	

Analytical Method: Chloride by EPA 300

Seq Number: 3120940

Parent Sample Id: 656759-005

Matrix: Soil

MS Sample Id: 656759-005 S

Prep Method: E300P

Date Prep: 03.25.2020

MSD Sample Id: 656759-005 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<4.99	250	253	101	255	102	90-110	1	20	mg/kg	03.25.2020 22:58	

Analytical Method: Chloride by EPA 300

Seq Number: 3120940

Parent Sample Id: 656759-015

Matrix: Soil

MS Sample Id: 656759-015 S

Prep Method: E300P

Date Prep: 03.25.2020

MSD Sample Id: 656759-015 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	9.57	249	274	106	273	106	90-110	0	20	mg/kg	03.26.2020 00:12	

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

$[D] = 100 * (C - A) / B$
 $RPD = 200 * |(C - E) / (C + E)|$
 $[D] = 100 * (C) / [B]$
 Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
 A = Parent Result
 C = MS/LCS Result
 E = MSD/LCSD Result

MS = Matrix Spike
 B = Spike Added
 D = MSD/LCSD % Rec



Trinity Oilfield Services & Rentals, LLC
South Loco Hills

Analytical Method: TPH By SW8015 Mod

Seq Number: 3121187

MB Sample Id: 7699860-1-BLK

Matrix: Solid

LCS Sample Id: 7699860-1-BKS

Prep Method: SW8015P

Date Prep: 03.26.2020

LCSD Sample Id: 7699860-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	1140	114	1020	102	70-135	11	20	mg/kg	03.27.2020 02:34	
Diesel Range Organics (DRO)	<50.0	1000	1180	118	1170	117	70-135	1	20	mg/kg	03.27.2020 02:34	
Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date			
1-Chlorooctane	114		112		120		70-135	%	03.27.2020 02:34			
o-Terphenyl	117		111		127		70-135	%	03.27.2020 02:34			

Analytical Method: TPH By SW8015 Mod

Seq Number: 3121308

MB Sample Id: 7699993-1-BLK

Matrix: Solid

LCS Sample Id: 7699993-1-BKS

Prep Method: SW8015P

Date Prep: 03.28.2020

LCSD Sample Id: 7699993-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	1100	110	1090	109	70-135	1	20	mg/kg	03.28.2020 22:20	
Diesel Range Organics (DRO)	<50.0	1000	1190	119	1180	118	70-135	1	20	mg/kg	03.28.2020 22:20	
Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date			
1-Chlorooctane	101		115		110		70-135	%	03.28.2020 22:20			
o-Terphenyl	116		114		121		70-135	%	03.28.2020 22:20			

Analytical Method: TPH By SW8015 Mod

Seq Number: 3121187

Matrix: Solid

MB Sample Id: 7699860-1-BLK

Prep Method: SW8015P

Date Prep: 03.26.2020

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	03.27.2020 02:12	

Analytical Method: TPH By SW8015 Mod

Seq Number: 3121308

Matrix: Solid

MB Sample Id: 7699993-1-BLK

Prep Method: SW8015P

Date Prep: 03.28.2020

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	03.28.2020 21:59	

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

$[D] = 100 * (C - A) / B$
 $RPD = 200 * |(C - E) / (C + E)|$
 $[D] = 100 * (C) / [B]$
 Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
 A = Parent Result
 C = MS/LCS Result
 E = MSD/LCSD Result

MS = Matrix Spike
 B = Spike Added
 D = MSD/LCSD % Rec



Trinity Oilfield Services & Rentals, LLC

South Loco Hills

Analytical Method: TPH By SW8015 Mod

Seq Number: 3121187

Parent Sample Id: 656970-001

Matrix: Soil

MS Sample Id: 656970-001 S

Prep Method: SW8015P

Date Prep: 03.26.2020

MSD Sample Id: 656970-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<49.9	997	1100	110	1090	109	70-135	1	20	mg/kg	03.27.2020 03:38	
Diesel Range Organics (DRO)	<49.9	997	1200	120	1200	120	70-135	0	20	mg/kg	03.27.2020 03:38	

Surrogate

	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	111		110		70-135	%	03.27.2020 03:38
o-Terphenyl	106		94		70-135	%	03.27.2020 03:38

Analytical Method: TPH By SW8015 Mod

Seq Number: 3121308

Parent Sample Id: 656937-101

Matrix: Soil

MS Sample Id: 656937-101 S

Prep Method: SW8015P

Date Prep: 03.28.2020

MSD Sample Id: 656937-101 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<49.9	997	1050	105	1060	106	70-135	1	20	mg/kg	03.28.2020 23:23	
Diesel Range Organics (DRO)	<49.9	997	1180	118	1240	124	70-135	5	20	mg/kg	03.28.2020 23:23	

Surrogate

	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	98		99		70-135	%	03.28.2020 23:23
o-Terphenyl	109		98		70-135	%	03.28.2020 23:23

Analytical Method: BTEX by EPA 8021B

Seq Number: 3121384

MB Sample Id: 7700101-1-BLK

Matrix: Solid

LCS Sample Id: 7700101-1-BKS

Prep Method: SW5030B

Date Prep: 03.27.2020

LCSD Sample Id: 7700101-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.000385	0.100	0.102	102	0.0972	97	70-130	5	35	mg/kg	03.28.2020 12:38	
Toluene	<0.000456	0.100	0.105	105	0.112	112	70-130	6	35	mg/kg	03.28.2020 12:38	
Ethylbenzene	<0.000565	0.100	0.100	100	0.110	110	70-130	10	35	mg/kg	03.28.2020 12:38	
m,p-Xylenes	<0.00101	0.200	0.199	100	0.222	111	70-130	11	35	mg/kg	03.28.2020 12:38	
o-Xylene	<0.000344	0.100	0.0999	100	0.111	111	70-130	11	35	mg/kg	03.28.2020 12:38	

Surrogate

	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	113		112		117		70-130	%	03.28.2020 12:38
4-Bromofluorobenzene	70		85		87		70-130	%	03.28.2020 12:38

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

$[D] = 100 * (C - A) / B$
 $RPD = 200 * |(C - E) / (C + E)|$
 $[D] = 100 * (C) / [B]$
 Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
 A = Parent Result
 C = MS/LCS Result
 E = MSD/LCSD Result

MS = Matrix Spike
 B = Spike Added
 D = MSD/LCSD % Rec



Trinity Oilfield Services & Rentals, LLC

South Loco Hills

Analytical Method: BTEX by EPA 8021B

Seq Number: 3121379

Matrix: Solid

Prep Method: SW5030B

Date Prep: 03.27.2020

MB Sample Id: 7700088-1-BLK

LCS Sample Id: 7700088-1-BKS

LCSD Sample Id: 7700088-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.000385	0.100	0.0971	97	0.0987	99	70-130	2	35	mg/kg	03.28.2020 05:50	
Toluene	<0.000456	0.100	0.0953	95	0.0964	96	70-130	1	35	mg/kg	03.28.2020 05:50	
Ethylbenzene	<0.000565	0.100	0.0935	94	0.0953	95	70-130	2	35	mg/kg	03.28.2020 05:50	
m,p-Xylenes	<0.00101	0.200	0.183	92	0.185	93	70-130	1	35	mg/kg	03.28.2020 05:50	
o-Xylene	<0.000344	0.100	0.0939	94	0.0945	95	70-130	1	35	mg/kg	03.28.2020 05:50	
Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits			Units	Analysis Date	
1,4-Difluorobenzene	107		108		109		70-130			%	03.28.2020 05:50	
4-Bromofluorobenzene	94		98		98		70-130			%	03.28.2020 05:50	

Analytical Method: BTEX by EPA 8021B

Seq Number: 3121378

Matrix: Solid

Prep Method: SW5030B

Date Prep: 03.30.2020

MB Sample Id: 7700085-1-BLK

LCS Sample Id: 7700085-1-BKS

LCSD Sample Id: 7700085-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.000385	0.100	0.0978	98	0.0967	97	70-130	1	35	mg/kg	03.30.2020 09:25	
Toluene	<0.000456	0.100	0.102	102	0.0953	95	70-130	7	35	mg/kg	03.30.2020 09:25	
Ethylbenzene	<0.000565	0.100	0.104	104	0.0956	96	70-130	8	35	mg/kg	03.30.2020 09:25	
m,p-Xylenes	<0.00101	0.200	0.210	105	0.189	95	70-130	11	35	mg/kg	03.30.2020 09:25	
o-Xylene	<0.000344	0.100	0.104	104	0.0946	95	70-130	9	35	mg/kg	03.30.2020 09:25	
Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits			Units	Analysis Date	
1,4-Difluorobenzene	109		107		108		70-130			%	03.30.2020 09:25	
4-Bromofluorobenzene	98		105		95		70-130			%	03.30.2020 09:25	

Analytical Method: BTEX by EPA 8021B

Seq Number: 3121384

Matrix: Soil

Prep Method: SW5030B

Date Prep: 03.27.2020

Parent Sample Id: 656759-017

MS Sample Id: 656759-017 S

MSD Sample Id: 656759-017 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	0.00382	0.0992	0.0670	64	0.0684	65	70-130	2	35	mg/kg	03.28.2020 13:18	X
Toluene	0.0551	0.0992	0.291	238	0.115	60	70-130	87	35	mg/kg	03.28.2020 13:18	XF
Ethylbenzene	0.0466	0.0992	0.248	203	0.0763	30	70-130	106	35	mg/kg	03.28.2020 13:18	XF
m,p-Xylenes	0.0433	0.198	0.262	110	0.100	28	70-130	90	35	mg/kg	03.28.2020 13:18	XF
o-Xylene	0.0215	0.0992	0.125	104	0.0500	29	70-130	86	35	mg/kg	03.28.2020 13:18	XF
Surrogate			MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits			Units	Analysis Date	
1,4-Difluorobenzene			117		124		70-130			%	03.28.2020 13:18	
4-Bromofluorobenzene			75		87		70-130			%	03.28.2020 13:18	

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

$[D] = 100 * (C - A) / B$
 $RPD = 200 * |(C - E) / (C + E)|$
 $[D] = 100 * (C) / [B]$
 Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
 A = Parent Result
 C = MS/LCS Result
 E = MSD/LCSD Result

MS = Matrix Spike
 B = Spike Added
 D = MSD/LCSD % Rec



Trinity Oilfield Services & Rentals, LLC
South Loco Hills

Analytical Method: BTEX by EPA 8021B

Seq Number: 3121379

Parent Sample Id: 656755-030

Matrix: Soil

MS Sample Id: 656755-030 S

Prep Method: SW5030B

Date Prep: 03.27.2020

MSD Sample Id: 656755-030 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00229	0.114	0.108	95	0.116	102	70-130	7	35	mg/kg	03.28.2020 06:31	
Toluene	0.00119	0.114	0.102	88	0.110	95	70-130	8	35	mg/kg	03.28.2020 06:31	
Ethylbenzene	<0.00229	0.114	0.0967	85	0.103	90	70-130	6	35	mg/kg	03.28.2020 06:31	
m,p-Xylenes	<0.00458	0.229	0.190	83	0.203	89	70-130	7	35	mg/kg	03.28.2020 06:31	
o-Xylene	<0.00229	0.114	0.0980	86	0.104	91	70-130	6	35	mg/kg	03.28.2020 06:31	

Surrogate

	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	110		113		70-130	%	03.28.2020 06:31
4-Bromofluorobenzene	100		105		70-130	%	03.28.2020 06:31

Analytical Method: BTEX by EPA 8021B

Seq Number: 3121378

Parent Sample Id: 657218-001

Matrix: Soil

MS Sample Id: 657218-001 S

Prep Method: SW5030B

Date Prep: 03.30.2020

MSD Sample Id: 657218-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.000383	0.0996	0.0917	92	0.0909	91	70-130	1	35	mg/kg	03.30.2020 10:06	
Toluene	<0.000454	0.0996	0.0907	91	0.0953	95	70-130	5	35	mg/kg	03.30.2020 10:06	
Ethylbenzene	<0.000563	0.0996	0.0841	84	0.0934	94	70-130	10	35	mg/kg	03.30.2020 10:06	
m,p-Xylenes	0.00576	0.199	0.167	81	0.188	91	70-130	12	35	mg/kg	03.30.2020 10:06	
o-Xylene	0.000621	0.0996	0.0795	79	0.0871	87	70-130	9	35	mg/kg	03.30.2020 10:06	

Surrogate

	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	108		105		70-130	%	03.30.2020 10:06
4-Bromofluorobenzene	103		103		70-130	%	03.30.2020 10:06

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

$[D] = 100 * (C - A) / B$
 $RPD = 200 * |(C - E) / (C + E)|$
 $[D] = 100 * (C) / [B]$
 Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
 A = Parent Result
 C = MS/LCS Result
 E = MSD/LCSD Result

MS = Matrix Spike
 B = Spike Added
 D = MSD/LCSD % Rec



Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300, San Antonio, TX (210) 509-3334
 Midland, TX (432) 704-5440, EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199, Phoenix, AZ (480) 355-0900
 Tampa, FL (813) 620-2000, Tallahassee, FL (850) 756-0747, Delray Beach, FL (561) 689-6701
 Atlanta, GA (770) 449-8800

Work Order No: W54759

www.xenco.com Page 1 of 3

Project Manager:	Ben Arguijo	Bill to: (if different)	Wade Dittrich
Company Name:	Trinity Oilfield Services and Rentals LLC	Company Name:	Oxy USA Inc
Address:		Address:	
City, State ZIP:		City, State ZIP:	
Phone:		Email:	Wade.Dittrich@oxy.com & ben@trinityoilfieldservices.com

Work Order Comments	
Program:	UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>
State of Project:	
Reporting:	Level <input type="checkbox"/> Level II <input type="checkbox"/> PST/UST <input type="checkbox"/> TRR <input type="checkbox"/> Level IV <input type="checkbox"/>
Deliverables:	EDD <input type="checkbox"/> ADaPT <input type="checkbox"/> Other:

Project Name:	South Loco Hills	Turn Around		ANALYSIS REQUEST																Preservative Codes		
Project Number:		Routine:	<input checked="" type="checkbox"/>	Number of Containers/Preservative Code																	HNO3: HN	
Project Location:	Granville Ramsey	Rush:	<input type="checkbox"/>																		H2SO4: H2	
Sampler's Name:		Due Date:																			HCL: HL	
PO #:																					None: NO	
																					NaOH: Na	
SAMPLE RECEIPT		Temp Blank:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Wet Ice:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>																	MeOH: Me
Temperature (°C):	0.7/0.4	Thermometer ID																		Zn Acetate+ NaOH: Zn		
Received Intact:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>																			TAT starts the day received by the lab, if received by 4:30pm		
Cooler Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Correction Factor:																				
Sample Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Total Containers:																				
Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	BTEX	TPH	Oil											Sample Comments				
SP-1 Surface	Soil	3/18/2020	9:00	Surface	X	X	X											Routine				
SP-1 @ 4 ft	Soil	3/18/2020	9:30	4 ft	X	X	X											Routine				
SP-2 Surface	Soil	3/18/2020	9:40	Surface	X	X	X											Routine				
SP-2 @ 2ft	Soil	3/18/2020	9:55	2 ft	X	X	X											Routine				
SP-3 Surface	Soil	3/18/2020	10:00	Surface	X	X	X											Routine				
SP-3 @ 2 ft	Soil	3/18/2020	10:20	2 ft	X	X	X											Routine				
SP-4 Surface	Soil	3/18/2020	10:25	Surface	X	X	X											Routine				
SP-4 @ 2 ft	Soil	3/18/2020	10:45	2 ft	X	X	X											Routine				
SP-1 West @ 1 ft	Soil	3/19/2020	9:35	1 ft	X	X	X											Routine				
SP-1 West @ 2 ft	Soil	3/19/2020	9:40	2 ft	X	X	X											Routine				

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Ti Sn U V Zn
 Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U 1631 / 245.1 / 7470 / 7471 : Hg

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$75.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 <i>[Signature]</i>	<i>[Signature]</i>	3/24/20 09:13	2 <i>[Signature]</i>	<i>[Signature]</i>	3/25/20 11:00
3			4		
5			6		



Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300, San Antonio, TX (210) 509-3334
Midland, TX (432) 704-5440, EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199, Phoenix, AZ (480) 355-0900
Tampa, FL (813) 620-2000, Tallahassee, FL (850) 756-0747, Delray Beach, FL (561) 689-6701
Atlanta, GA (770) 449-8800

Work Order No: 654759

www.xenco.com Page 2 of 3

Project Manager:	Ben Arguijo	Bill to: (if different)	Wade Dittrich
Company Name:	Trinity Oilfield Services and Rentals LLC	Company Name:	Oxy USA Inc
Address:		Address:	
City, State ZIP:		City, State ZIP:	
Phone:		Email:	Wade.Dittrich@oxy.com & ben@trinityoilfieldservices.com

Work Order Comments				
Program:	UST/PST <input type="checkbox"/>	PRP <input type="checkbox"/>	Brownfields <input type="checkbox"/>	RRR <input type="checkbox"/> Superfund <input type="checkbox"/>
State of Project:				
Reporting:	Level I <input type="checkbox"/>	Level II <input type="checkbox"/>	PST/UST <input type="checkbox"/>	TRR <input type="checkbox"/> Level IV <input checked="" type="checkbox"/>
Deliverables:	EDD <input type="checkbox"/>	ADaPT <input type="checkbox"/>	Other: <input type="checkbox"/>	

Project Name:		South Loco Hills			Turn Around	
Project Number:					Routine:	X
Project Location					Rush:	
Sampler's Name:		Granville Ramsey			Due Date:	
PO #:						
SAMPLE RECEIPT		Temp Blank:		Yes No	Wet Ice: Yes No	
Temperature (°C):		0704		Thermometer ID		
Received Intact:		Yes No		Pa		
Cooler Custody Seals:		Yes No	N/A	Correction Factor:		-0.3
Sample Custody Seals:		Yes No	N/A	Total Containers:		
Sample Identification		Matrix	Date Sampled	Time Sampled	Depth	
SP-1 South @ 1 ft		Soil	3/19/2020	9:55	1 ft	
SP-1 South @ 2 ft		Soil	3/19/2020	10:00	2 ft	
SP-2 West @ 1 ft		Soil	3/19/2020	10:15	1 ft	
SP-2 West @ 2 ft		Soil	3/19/2020	10:20	2 ft	
SP-3 West @ Surface		Soil	3/19/2020	10:30	Surface	
SP-3 West @ 2 ft		Soil	3/19/2020	10:40	2 ft	
SP-3 East @ Surface		Soil	3/19/2020	10:50	Surface	
SP-3 East @ 2 ft		Soil	3/19/2020	11:00	2 ft	
SP-4 West @ Surface		Soil	3/19/2020	11:05	Surface	
SP-4 West @ 2 ft		Soil	3/19/2020	11:15	2 ft	

Total 200.7 / 6010	200.8 / 6020:	8RCRA 13PPM Texas 11	Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Ti Sn U V Zn
<i>Circle Method(s) and Metal(s) to be analyzed</i>		TCLP / SPLP 6010:	8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U 1631 / 245.1 / 7470 / 7471 : Hg

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Relinquished by: (Signature)		Received by: (Signature)		Date/Time	
1	<i>[Signature]</i>	<i>Egon Canille</i>	3/24/20 09:13	2	<i>Egon Canille</i>
3				4	<i>Bruce</i>
5				6	

XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Client: Trinity Oilfield Services & Rentals, LLC

Date/ Time Received: 03.25.2020 11.00.00 AM

Work Order #: 656759

Acceptable Temperature Range: 0 - 6 degC

Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : R9

Sample Receipt Checklist

Comments

#1 *Temperature of cooler(s)?	.4
#2 *Shipping container in good condition?	Yes
#3 *Samples received on ice?	Yes
#4 *Custody Seals intact on shipping container/ cooler?	N/A
#5 Custody Seals intact on sample bottles?	N/A
#6 *Custody Seals Signed and dated?	N/A
#7 *Chain of Custody present?	Yes
#8 Any missing/extra samples?	No
#9 Chain of Custody signed when relinquished/ received?	Yes
#10 Chain of Custody agrees with sample labels/matrix?	Yes
#11 Container label(s) legible and intact?	Yes
#12 Samples in proper container/ bottle?	Yes
#13 Samples properly preserved?	Yes
#14 Sample container(s) intact?	Yes
#15 Sufficient sample amount for indicated test(s)?	Yes
#16 All samples received within hold time?	Yes
#17 Subcontract of sample(s)?	N/A
#18 Water VOC samples have zero headspace?	N/A

* Must be completed for after-hours delivery of samples prior to placing in the refrigerator

Analyst:

PH Device/Lot#:

Checklist completed by:



Brianna Teel

Date: 03.25.2020

Checklist reviewed by:



Holly Taylor

Date: 03.30.2020

Certificate of Analysis Summary 675068

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: South Loco Hills CTB

Project Id:

Contact: Ben Arguijo

Project Location: Eddy Co. NM

Draft

Date Received in Lab: Wed 10.14.2020 10:57

Report Date: 10.19.2020 12:07

Project Manager: Holly Taylor

Analysis Requested	Lab Id:	675068-001	675068-002	675068-003			
	Field Id:	SP-1 @ 30'	SP-1 @ 32'	SP-1 @ 50'			
	Depth:	30- ft	32- ft	50- ft			
	Matrix:	SOIL	SOIL	SOIL			
	Sampled:	10.13.2020 09:30	10.13.2020 09:35	10.13.2020 10:30			
BTEX by EPA 8021B	Extracted:	10.15.2020 11:30	10.15.2020 11:30	10.15.2020 11:30			
	Analyzed:	10.15.2020 20:13	10.15.2020 20:33	10.15.2020 20:54			
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL			
Benzene		<0.00200 0.00200	<0.00198 0.00198	<0.00199 0.00199			
Toluene		<0.00200 0.00200	<0.00198 0.00198	<0.00199 0.00199			
Ethylbenzene		<0.00200 0.00200	<0.00198 0.00198	<0.00199 0.00199			
m,p-Xylenes		<0.00399 0.00399	<0.00396 0.00396	<0.00398 0.00398			
o-Xylene		<0.00200 0.00200	<0.00198 0.00198	<0.00199 0.00199			
Total Xylenes		<0.00200 0.00200	<0.00198 0.00198	<0.00199 0.00199			
Total BTEX		<0.00200 0.00200	<0.00198 0.00198	<0.00199 0.00199			
Chloride by EPA 300	Extracted:	10.15.2020 13:45	10.15.2020 13:45	10.15.2020 13:45			
	Analyzed:	10.15.2020 16:26	10.15.2020 16:31	10.15.2020 16:36			
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL			
Chloride		238 4.98	278 5.00	166 5.04			
TPH By SW8015 Mod	Extracted:	10.14.2020 17:00	10.14.2020 17:00	10.14.2020 17:00			
	Analyzed:	10.14.2020 22:22	10.14.2020 22:42	10.14.2020 23:01			
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL			
Gasoline Range Hydrocarbons (GRO)		<50.0 50.0	<50.0 50.0	<49.9 49.9			
Diesel Range Organics (DRO)		131 50.0	70.0 50.0	235 49.9			
Motor Oil Range Hydrocarbons (MRO)		<50.0 50.0	<50.0 50.0	<49.9 49.9			
Total TPH		131 50.0	70.0 50.0	235 49.9			

BRL - Below Reporting Limit

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico



Certificate of Analysis Summary 676084

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: South Loco Hills CTB

Project Id:

Date Received in Lab: Mon 10.26.2020 10:32

Contact: Ben Arguijo

Report Date: 10.27.2020 15:04

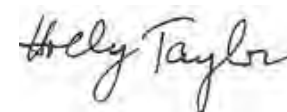
Project Location: Eddy Co. NM off 360

Project Manager: Holly Taylor

<i>Analysis Requested</i>	<i>Lab Id:</i>	676084-001	676084-002	676084-003	676084-004		
	<i>Field Id:</i>	SP-1 @ 10'	SP-1 @ 12'	SP-1 @ 16'	SP-1 @ 20'		
	<i>Depth:</i>	10- ft	12- ft	16- ft	20- ft		
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL		
	<i>Sampled:</i>	10.13.2020 09:00	10.13.2020 09:02	10.13.2020 09:10	10.13.2020 09:20		
TPH By SW8015 Mod	<i>Extracted:</i>	10.26.2020 11:00	10.26.2020 11:00	10.26.2020 11:00	10.26.2020 11:00		
	<i>Analyzed:</i>	10.26.2020 15:59	10.26.2020 16:17	10.26.2020 16:37	10.26.2020 16:55		
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL		
Gasoline Range Hydrocarbons (GRO)		<50.0 50.0	<50.0 50.0	<49.9 49.9	<49.8 49.8		
Diesel Range Organics (DRO)		148 50.0	205 50.0	299 49.9	203 49.8		
Motor Oil Range Hydrocarbons (MRO)		<50.0 50.0	<50.0 50.0	50.3 49.9	<49.8 49.8		
Total TPH		148 50.0	205 50.0	349 49.9	203 49.8		

BRL - Below Reporting Limit

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico





Analytical Report 676084

for

Trinity Oilfield Services & Rentals, LLC

Project Manager: Ben Arguijo

South Loco Hills CTB

10.27.2020

Collected By: Client



1211 W. Florida Ave
Midland TX 79701

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-20-38), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)
Oklahoma (2020-014), North Carolina (681), Arkansas (20-035-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-20-26), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-18)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-23)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-19-21)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-8)
Xenco-Tampa: Florida (E87429), North Carolina (483)



10.27.2020

Project Manager: **Ben Arguijo**
Trinity Oilfield Services & Rentals, LLC
PO BOX 2587
Hobbs, NM 88241

Reference: Eurofins Xenco, LLC Report No(s): **676084**
South Loco Hills CTB
Project Address: Eddy Co. NM off 360

Ben Arguijo:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the Eurofins Xenco, LLC Report Number(s) 676084. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by Eurofins Xenco, LLC. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 676084 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting Eurofins Xenco, LLC to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Holly Taylor
Project Manager

A Small Business and Minority Company

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico



Sample Cross Reference 676084

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

South Loco Hills CTB

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
SP-1 @ 10'	S	10.13.2020 09:00	10 ft	676084-001
SP-1 @ 12'	S	10.13.2020 09:02	12 ft	676084-002
SP-1 @ 16'	S	10.13.2020 09:10	16 ft	676084-003
SP-1 @ 20'	S	10.13.2020 09:20	20 ft	676084-004



CASE NARRATIVE

Client Name: Trinity Oilfield Services & Rentals, LLC

Project Name: South Loco Hills CTB

Project ID:
Work Order Number(s): 676084

Report Date: 10.27.2020
Date Received: 10.26.2020

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None



Certificate of Analytical Results 676084

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM South Loco Hills CTB

Sample Id: **SP-1 @ 10'**

Matrix: Soil

Date Received: 10.26.2020 10:32

Lab Sample Id: 676084-001

Date Collected: 10.13.2020 09:00

Sample Depth: 10 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: ARM

Date Prep: 10.26.2020 11:00

% Moisture:
Basis: Wet Weight

Seq Number: 3140675

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	10.26.2020 15:59	U	1
Diesel Range Organics (DRO)	C10C28DRO	148	50.0	mg/kg	10.26.2020 15:59		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	10.26.2020 15:59	U	1
Total TPH	PHC635	148	50.0	mg/kg	10.26.2020 15:59		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	97	%	70-130	10.26.2020 15:59		
o-Terphenyl	84-15-1	117	%	70-130	10.26.2020 15:59		



Certificate of Analytical Results 676084

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM South Loco Hills CTB

Sample Id: **SP-1 @ 12'**

Matrix: Soil

Date Received: 10.26.2020 10:32

Lab Sample Id: 676084-002

Date Collected: 10.13.2020 09:02

Sample Depth: 12 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: ARM

Date Prep: 10.26.2020 11:00

% Moisture:

Seq Number: 3140675

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	10.26.2020 16:17	U	1
Diesel Range Organics (DRO)	C10C28DRO	205	50.0	mg/kg	10.26.2020 16:17		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	10.26.2020 16:17	U	1
Total TPH	PHC635	205	50.0	mg/kg	10.26.2020 16:17		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	95	%	70-130	10.26.2020 16:17		
o-Terphenyl	84-15-1	118	%	70-130	10.26.2020 16:17		



Certificate of Analytical Results 676084

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM South Loco Hills CTB

Sample Id: **SP-1 @ 16'**

Matrix: Soil

Date Received: 10.26.2020 10:32

Lab Sample Id: 676084-003

Date Collected: 10.13.2020 09:10

Sample Depth: 16 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: ARM

Date Prep: 10.26.2020 11:00

% Moisture:
Basis: Wet Weight

Seq Number: 3140675

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	10.26.2020 16:37	U	1
Diesel Range Organics (DRO)	C10C28DRO	299	49.9	mg/kg	10.26.2020 16:37		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	50.3	49.9	mg/kg	10.26.2020 16:37		1
Total TPH	PHC635	349	49.9	mg/kg	10.26.2020 16:37		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	96	%	70-130	10.26.2020 16:37		
o-Terphenyl	84-15-1	118	%	70-130	10.26.2020 16:37		



Certificate of Analytical Results 676084

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM South Loco Hills CTB

Sample Id: **SP-1 @ 20'**

Matrix: Soil

Date Received: 10.26.2020 10:32

Lab Sample Id: 676084-004

Date Collected: 10.13.2020 09:20

Sample Depth: 20 ft

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: ARM

Date Prep: 10.26.2020 11:00

% Moisture:
Basis: Wet Weight

Seq Number: 3140675

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	10.26.2020 16:55	U	1
Diesel Range Organics (DRO)	C10C28DRO	203	49.8	mg/kg	10.26.2020 16:55		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	10.26.2020 16:55	U	1
Total TPH	PHC635	203	49.8	mg/kg	10.26.2020 16:55		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	96	%	70-130	10.26.2020 16:55		
o-Terphenyl	84-15-1	121	%	70-130	10.26.2020 16:55		

Flagging Criteria

- X** In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.
- B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
- E** The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- F** RPD exceeded lab control limits.
- J** The target analyte was positively identified below the quantitation limit and above the detection limit.
- U** Analyte was not detected.
- L** The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
- H** The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
- K** Sample analyzed outside of recommended hold time.
- JN** A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit. **ND** Not Detected.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample **BKSD/LCSD** Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate **MS** Matrix Spike **MSD:** Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation



Trinity Oilfield Services & Rentals, LLC

South Loco Hills CTB

Analytical Method: TPH By SW8015 Mod

Seq Number: 3140675

MB Sample Id: 7713951-1-BLK

Matrix: Solid

LCS Sample Id: 7713951-1-BKS

Prep Method: SW8015P

Date Prep: 10.26.2020

LCSD Sample Id: 7713951-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	821	82	829	83	70-130	1	20	mg/kg	10.26.2020 10:35	
Diesel Range Organics (DRO)	<50.0	1000	836	84	859	86	70-130	3	20	mg/kg	10.26.2020 10:35	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	84		111		103		70-130	%	10.26.2020 10:35
o-Terphenyl	94		112		110		70-130	%	10.26.2020 10:35

Analytical Method: TPH By SW8015 Mod

Seq Number: 3140675

Matrix: Solid

MB Sample Id: 7713951-1-BLK

Prep Method: SW8015P

Date Prep: 10.26.2020

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	10.26.2020 10:15	

Analytical Method: TPH By SW8015 Mod

Seq Number: 3140675

Matrix: Soil

Parent Sample Id: 676070-001

MS Sample Id: 676070-001 S

Prep Method: SW8015P

Date Prep: 10.26.2020

MSD Sample Id: 676070-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<49.9	997	865	87	896	90	70-130	4	20	mg/kg	10.26.2020 11:33	
Diesel Range Organics (DRO)	<49.9	997	929	93	957	96	70-130	3	20	mg/kg	10.26.2020 11:33	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	102		105		70-130	%	10.26.2020 11:33
o-Terphenyl	99		108		70-130	%	10.26.2020 11:33

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

$[D] = 100 * (C - A) / B$
 $RPD = 200 * |(C - E) / (C + E)|$
 $[D] = 100 * (C) / [B]$
 Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
 A = Parent Result
 C = MS/LCS Result
 E = MSD/LCSD Result

MS = Matrix Spike
 B = Spike Added
 D = MSD/LCSD % Rec



Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300, San Antonio, TX (210) 509-3334
Midland, TX (432) 704-5440, EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199, Phoenix, AZ (480) 355-0900
Tampa, FL (813) 620-2000, Tallahassee, FL (850) 756-0747, Delray Beach, FL (561) 689-6701
Atlanta, GA (770) 449-8800

Work Order No: 676084

www.xenco.com Page 1 of 2



Project Manager:	Ben Arguijo	Bill to: (if different)	Wade Dittrich
Company Name:	Trinity Oilfield Services and Rentals	Company Name:	Oxy USA Inc.
Address:	P O Box 2587	Address:	
City, State ZIP:	Hobbs NM 88241	City, State ZIP:	
Phone:	575 390 7208	Email:	Wade.Dittrich@oxy.com & ben@trinityoilfieldservices.com

Work Order Comments				
Program:	UST/PST <input type="checkbox"/>	PRP <input type="checkbox"/>	Brownfields <input type="checkbox"/>	RRC <input type="checkbox"/> Superfund <input type="checkbox"/>
State of Project:				
Reporting:	Level I <input type="checkbox"/>	Level II <input type="checkbox"/>	PST/UST <input type="checkbox"/>	TRR <input type="checkbox"/> Level IV <input type="checkbox"/>
Deliverables:	EDD <input type="checkbox"/>	ADaPT <input type="checkbox"/>	Other: <input type="text"/>	

[illegible]

Total 200.7 / 6010	200.8 / 6020:	8RCRA 13PPM Texas 11	Al	Sb	As	Ba	Be	B	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Mo	Ni	K	Se	Ag	SiO2	Na	Sr	Ti	Sn	U	V	Zn
<i>Circle Method(s) and Metal(s) to be analyzed</i>		TCLP / SPLP 6010:	8RCRA	Sb	As	Ba	Be	Cd	Cr	Co	Cu	Pb	Mn	Mo	Ni	Se	Ag	Ti	U											1631 / 245.1 / 7470 / 7471 : Hg

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$75.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)		Received by: (Signature)		Date/Time	
1				2	
3				4	
5				6	

Eurofins Xenco, LLC

Prelogin/Nonconformance Report- Sample Log-In

Client: Trinity Oilfield Services & Rentals, LLC

Date/ Time Received: 10.26.2020 10.32.00 AM

Work Order #: 676084

Acceptable Temperature Range: 0 - 6 degC

Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : IR-8

Sample Receipt Checklist	Comments
#1 *Temperature of cooler(s)?	4.6
#2 *Shipping container in good condition?	Yes
#3 *Samples received on ice?	Yes
#4 *Custody Seals intact on shipping container/ cooler?	N/A
#5 Custody Seals intact on sample bottles?	N/A
#6 *Custody Seals Signed and dated?	N/A
#7 *Chain of Custody present?	Yes
#8 Any missing/extra samples?	No
#9 Chain of Custody signed when relinquished/ received?	Yes
#10 Chain of Custody agrees with sample labels/matrix?	Yes
#11 Container label(s) legible and intact?	Yes
#12 Samples in proper container/ bottle?	Yes
#13 Samples properly preserved?	Yes
#14 Sample container(s) intact?	Yes
#15 Sufficient sample amount for indicated test(s)?	Yes
#16 All samples received within hold time?	Yes
#17 Subcontract of sample(s)?	N/A
#18 Water VOC samples have zero headspace?	N/A

* Must be completed for after-hours delivery of samples prior to placing in the refrigerator

Analyst:

PH Device/Lot#:

Checklist completed by:



Brianna Teel

Date: 10.26.2020

Checklist reviewed by:



Holly Taylor

Date: 10.26.2020



Environment Testing
Xenco

Analytical Report 675068

for

Trinity Oilfield Services & Rentals, LLC

Project Manager: Ben Arguijo

South Loco Hills CTB

10.19.2020

Collected By: Client



**1211 W. Florida Ave
Midland TX 79701**

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-20-38), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)
Oklahoma (2020-014), North Carolina (681), Arkansas (20-035-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-20-26), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-18)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-23)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-19-21)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-8)
Xenco-Tampa: Florida (E87429), North Carolina (483)



10.19.2020

Project Manager: **Ben Arguijo**
Trinity Oilfield Services & Rentals, LLC
PO BOX 2587
Hobbs, NM 88241

Reference: Eurofins Xenco, LLC Report No(s): **675068**
South Loco Hills CTB
Project Address: Eddy Co. NM

Ben Arguijo:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the Eurofins Xenco, LLC Report Number(s) 675068. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by Eurofins Xenco, LLC. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 675068 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting Eurofins Xenco, LLC to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Holly Taylor
Project Manager

A Small Business and Minority Company

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico



Sample Cross Reference 675068

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

South Loco Hills CTB

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
SP-1 @ 30'	S	10.13.2020 09:30	30 ft	675068-001
SP-1 @ 32'	S	10.13.2020 09:35	32 ft	675068-002
SP-1 @ 50'	S	10.13.2020 10:30	50 ft	675068-003



CASE NARRATIVE

Client Name: Trinity Oilfield Services & Rentals, LLC

Project Name: South Loco Hills CTB

Project ID:
Work Order Number(s): 675068

Report Date: 10.19.2020
Date Received: 10.14.2020

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None



Certificate of Analytical Results 675068

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM South Loco Hills CTB

Sample Id: **SP-1 @ 30'**

Matrix: Soil

Date Received: 10.14.2020 10:57

Lab Sample Id: 675068-001

Date Collected: 10.13.2020 09:30

Sample Depth: 30 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

Analyst: CHE

Seq Number: 3139840

Date Prep: 10.15.2020 13:45

% Moisture:
Basis: Wet Weight

Draft

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	238	4.98	mg/kg	10.15.2020 16:26		1

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: ARM

Seq Number: 3139760

Date Prep: 10.14.2020 17:00

% Moisture:
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	10.14.2020 22:22	U	1
Diesel Range Organics (DRO)	C10C28DRO	131	50.0	mg/kg	10.14.2020 22:22		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	10.14.2020 22:22	U	1
Total TPH	PHC635	131	50.0	mg/kg	10.14.2020 22:22		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	79	%	70-130	10.14.2020 22:22		
o-Terphenyl	84-15-1	95	%	70-130	10.14.2020 22:22		



Certificate of Analytical Results 675068

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM South Loco Hills CTB

Sample Id: **SP-1 @ 30'**

Matrix: Soil

Date Received: 10.14.2020 10:57

Lab Sample Id: 675068-001

Date Collected: 10.13.2020 09:30

Sample Depth: 30 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: KTL

Analyst: KTL

Seq Number: 3139813

Date Prep: 10.15.2020 11:30

% Moisture:
Basis: Wet Weight

Draft

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	10.15.2020 20:13	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	10.15.2020 20:13	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	10.15.2020 20:13	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	10.15.2020 20:13	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	10.15.2020 20:13	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	10.15.2020 20:13	U	1
Total BTEX		<0.00200	0.00200	mg/kg	10.15.2020 20:13	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	99	%	70-130	10.15.2020 20:13	
4-Bromofluorobenzene	460-00-4	111	%	70-130	10.15.2020 20:13	



Certificate of Analytical Results 675068

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM South Loco Hills CTB

Sample Id: **SP-1 @ 32'**

Matrix: Soil

Date Received: 10.14.2020 10:57

Lab Sample Id: 675068-002

Date Collected: 10.13.2020 09:35

Sample Depth: 32 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

Analyst: CHE

Seq Number: 3139840

Date Prep: 10.15.2020 13:45

% Moisture:
Basis: Wet Weight

Draft

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	278	5.00	mg/kg	10.15.2020 16:31		1

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: ARM

Seq Number: 3139760

Date Prep: 10.14.2020 17:00

% Moisture:
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	10.14.2020 22:42	U	1
Diesel Range Organics (DRO)	C10C28DRO	70.0	50.0	mg/kg	10.14.2020 22:42		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	10.14.2020 22:42	U	1
Total TPH	PHC635	70.0	50.0	mg/kg	10.14.2020 22:42		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	76	%	70-130	10.14.2020 22:42		
o-Terphenyl	84-15-1	89	%	70-130	10.14.2020 22:42		



Certificate of Analytical Results 675068

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM South Loco Hills CTB

Sample Id: **SP-1 @ 32'**

Matrix: Soil

Date Received: 10.14.2020 10:57

Lab Sample Id: 675068-002

Date Collected: 10.13.2020 09:35

Sample Depth: 32 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: KTL

Analyst: KTL

Seq Number: 3139813

Date Prep: 10.15.2020 11:30

% Moisture:
Basis: Wet Weight

Draft

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	10.15.2020 20:33	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	10.15.2020 20:33	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	10.15.2020 20:33	U	1
m,p-Xylenes	179601-23-1	<0.00396	0.00396	mg/kg	10.15.2020 20:33	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	10.15.2020 20:33	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	10.15.2020 20:33	U	1
Total BTEX		<0.00198	0.00198	mg/kg	10.15.2020 20:33	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	103	%	70-130	10.15.2020 20:33		
1,4-Difluorobenzene	540-36-3	101	%	70-130	10.15.2020 20:33		



Certificate of Analytical Results 675068

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM South Loco Hills CTB

Sample Id: **SP-1 @ 50'**

Matrix: Soil

Date Received: 10.14.2020 10:57

Lab Sample Id: 675068-003

Date Collected: 10.13.2020 10:30

Sample Depth: 50 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

Analyst: CHE

Seq Number: 3139840

Date Prep: 10.15.2020 13:45

% Moisture:
Basis: Wet Weight

Draft

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	166	5.04	mg/kg	10.15.2020 16:36		1

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: ARM

Seq Number: 3139760

Date Prep: 10.14.2020 17:00

% Moisture:
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	10.14.2020 23:01	U	1
Diesel Range Organics (DRO)	C10C28DRO	235	49.9	mg/kg	10.14.2020 23:01		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	10.14.2020 23:01	U	1
Total TPH	PHC635	235	49.9	mg/kg	10.14.2020 23:01		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	80	%	70-130	10.14.2020 23:01		
o-Terphenyl	84-15-1	99	%	70-130	10.14.2020 23:01		



Certificate of Analytical Results 675068

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM South Loco Hills CTB

Sample Id: **SP-1 @ 50'**

Matrix: Soil

Date Received: 10.14.2020 10:57

Lab Sample Id: 675068-003

Date Collected: 10.13.2020 10:30

Sample Depth: 50 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: KTL

Analyst: KTL

Seq Number: 3139813

Date Prep: 10.15.2020 11:30

% Moisture:
Basis: Wet Weight

Draft

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	10.15.2020 20:54	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	10.15.2020 20:54	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	10.15.2020 20:54	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	10.15.2020 20:54	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	10.15.2020 20:54	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	10.15.2020 20:54	U	1
Total BTEX		<0.00199	0.00199	mg/kg	10.15.2020 20:54	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	103	%	70-130	10.15.2020 20:54		
4-Bromofluorobenzene	460-00-4	104	%	70-130	10.15.2020 20:54		

Flagging Criteria

- X** In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.
- B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
- E** The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- F** RPD exceeded lab control limits.
- J** The target analyte was positively identified below the quantitation limit and above the detection limit.
- U** Analyte was not detected.
- L** The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
- H** The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
- K** Sample analyzed outside of recommended hold time.
- JN** A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit. **ND** Not Detected.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample **BKSD/LCSD** Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate **MS** Matrix Spike **MSD:** Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation



Trinity Oilfield Services & Rentals, LLC

South Loco Hills CTB

Analytical Method: Chloride by EPA 300

Seq Number: 3139840

MB Sample Id: 7713362-1-BLK

Matrix: Solid

LCS Sample Id: 7713362-1-BKS

Prep Method: E300P

Date Prep: 10.15.2020

LCSD Sample Id: 7713362-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<5.00	250	246	98	246	98	90-110	0	20	mg/kg	10.15.2020 14:09	

Draft

Analytical Method: Chloride by EPA 300

Seq Number: 3139840

Parent Sample Id: 675064-019

Matrix: Soil

MS Sample Id: 675064-019 S

Prep Method: E300P

Date Prep: 10.15.2020

MSD Sample Id: 675064-019 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	21.8	252	283	104	284	104	90-110	0	20	mg/kg	10.15.2020 14:25	

Analytical Method: Chloride by EPA 300

Seq Number: 3139840

Parent Sample Id: 675064-029

Matrix: Soil

MS Sample Id: 675064-029 S

Prep Method: E300P

Date Prep: 10.15.2020

MSD Sample Id: 675064-029 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	1010	250	1230	88	1230	88	90-110	0	20	mg/kg	10.15.2020 15:38	X

Analytical Method: TPH By SW8015 Mod

Seq Number: 3139760

MB Sample Id: 7713279-1-BLK

Matrix: Solid

LCS Sample Id: 7713279-1-BKS

Prep Method: SW8015P

Date Prep: 10.14.2020

LCSD Sample Id: 7713279-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	824	82	874	87	70-130	6	20	mg/kg	10.14.2020 20:45	
Diesel Range Organics (DRO)	<50.0	1000	838	84	849	85	70-130	1	20	mg/kg	10.14.2020 20:45	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	70		91		96		70-130	%	10.14.2020 20:45
o-Terphenyl	83		91		99		70-130	%	10.14.2020 20:45

Analytical Method: TPH By SW8015 Mod

Seq Number: 3139760

Matrix: Solid

MB Sample Id: 7713279-1-BLK

Prep Method: SW8015P

Date Prep: 10.14.2020

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	10.14.2020 20:26	

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

$[D] = 100 * (C - A) / B$
 $RPD = 200 * |(C - E) / (C + E)|$
 $[D] = 100 * (C) / [B]$
 Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
 A = Parent Result
 C = MS/LCS Result
 E = MSD/LCSD Result

MS = Matrix Spike
 B = Spike Added
 D = MSD/LCSD % Rec



Trinity Oilfield Services & Rentals, LLC

South Loco Hills CTB

Analytical Method: TPH By SW8015 Mod

Seq Number: 3139760

Parent Sample Id: 675064-032

Matrix: Soil

MS Sample Id: 675064-032 S

Prep Method: SW8015P

Date Prep: 10.14.2020

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	Limits	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<49.9	997	796	80	70-130	mg/kg	10.14.2020 21:43	
Diesel Range Organics (DRO)	<49.9	997	778	78	70-130	mg/kg	10.14.2020 21:43	
Surrogate			MS %Rec	MS Flag	Limits	Units	Analysis Date	
1-Chlorooctane			82		70-130	%	10.14.2020 21:43	
o-Terphenyl			85		70-130	%	10.14.2020 21:43	

Analytical Method: BTEX by EPA 8021B

Seq Number: 3139813

MB Sample Id: 7713359-1-BLK

Matrix: Solid

LCS Sample Id: 7713359-1-BKS

Prep Method: SW5035A

Date Prep: 10.15.2020

LCSD Sample Id: 7713359-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.121	121	0.125	125	70-130	3	35	mg/kg	10.15.2020 12:01	
Toluene	<0.00200	0.100	0.126	126	0.128	128	70-130	2	35	mg/kg	10.15.2020 12:01	
Ethylbenzene	<0.00200	0.100	0.113	113	0.115	115	70-130	2	35	mg/kg	10.15.2020 12:01	
m,p-Xylenes	<0.00400	0.200	0.233	117	0.236	118	70-130	1	35	mg/kg	10.15.2020 12:01	
o-Xylene	<0.00200	0.100	0.113	113	0.114	114	70-130	1	35	mg/kg	10.15.2020 12:01	
Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits			Units	Analysis Date	
1,4-Difluorobenzene	98		100		99		70-130			%	10.15.2020 12:01	
4-Bromofluorobenzene	99		103		102		70-130			%	10.15.2020 12:01	

Analytical Method: BTEX by EPA 8021B

Seq Number: 3139813

Parent Sample Id: 675064-032

Matrix: Soil

MS Sample Id: 675064-032 S

Prep Method: SW5035A

Date Prep: 10.15.2020

MSD Sample Id: 675064-032 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00201	0.100	0.118	118	0.114	114	70-130	3	35	mg/kg	10.15.2020 13:19	
Toluene	<0.00201	0.100	0.122	122	0.124	124	70-130	2	35	mg/kg	10.15.2020 13:19	
Ethylbenzene	<0.00201	0.100	0.111	111	0.116	116	70-130	4	35	mg/kg	10.15.2020 13:19	
m,p-Xylenes	<0.00402	0.201	0.229	114	0.241	121	70-130	5	35	mg/kg	10.15.2020 13:19	
o-Xylene	<0.00201	0.100	0.111	111	0.117	117	70-130	5	35	mg/kg	10.15.2020 13:19	
Surrogate			MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits			Units	Analysis Date	
1,4-Difluorobenzene			96		93		70-130			%	10.15.2020 13:19	
4-Bromofluorobenzene			99		110		70-130			%	10.15.2020 13:19	

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

$[D] = 100 * (C - A) / B$
 $RPD = 200 * |(C - E) / (C + E)|$
 $[D] = 100 * (C) / [B]$
 Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
 A = Parent Result
 C = MS/LCS Result
 E = MSD/LCSD Result

MS = Matrix Spike
 B = Spike Added
 D = MSD/LCSD % Rec



Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300, San Antonio, TX (210) 509-3334
Midland, TX (432) 704-5440, EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199, Phoenix, AZ (480) 355-0900
Tampa, FL (813) 620-2000, Tallahassee, FL (850) 756-0747, Delray Beach, FL (561) 689-6701
Atlanta, GA (770) 449-8800

Work Order No: 675068

www.xenco.com

1 of 1

Project Manager:	Ben Arguilo		Bill to: (if different)	OXY - Wade Dittrich
Company Name:	Trinity Oilfield Services & Rentals, LLC		Company Name:	
Address:	P. O. Box 2587		Address:	
City, State ZIP:	Hobbs, NM 88241		City, State ZIP:	
Phone:	(575)390-7208	Email:	Wade.Dittrich@oxy.com & ben@trinityoilfieldservices.com	

Work Order Comments				
Program: UST/PST <input type="checkbox"/> PRF <input type="checkbox"/> Brownfield <input type="checkbox"/> RR <input type="checkbox"/> Superfund <input type="checkbox"/>				
State of Project:				
Reporting: Level <input type="checkbox"/>	Level <input type="checkbox"/>	PST/US <input type="checkbox"/>	TRF <input type="checkbox"/>	Level <input type="checkbox"/>
Deliverables: EDD <input type="checkbox"/>		ADaPT <input type="checkbox"/>	Other:	

[illegible]

Total 200.7 / 6010	200.8 / 6020:	8RCRA 13PPM Texas 11	Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag	SiO2 Na Sr Ti Sn U V Zn
<i>Circle Method(s) and Metal(s) to be analyzed</i>		TCLP / SPLP 6010:	8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U	1631 / 245.1 / 7470 / 7471 : Hg

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$75.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)		Received by: (Signature)		Date/Time	
1				Oct 13, 2020 3:54	
2					
3					
4					
5					
6					

ORIGIN ID: H0BA (

MAIL SERVICES ETC
4008 N GRIMES
HOBBS, NM 88240
UNITED STATES OF AMERICA

SHIP DATE: 13OCT20
ACTWGT: 9.00 LB MAN
CAD: 0103352/CAFE3313
DIMS: 13x13x13 IN

BILL RECIPIENT

EXP FOR PICKUP
FEDEX PRESS SHIP CENTER
FEDEX EXPRESS SHIP CENTER
3600 COUNTY ROAD 1276 SOUTH
MIDLAND TX 79711

(432) 704-5440
INV: PO: REF: DEPT:



FedEx Express

FedEx
T TRK# 9061 5135 1360
0 0201

41 MAFA

WED - 14 OCT HOLD
PRIORITY OVERNIGHT
HLD
79711
TX-US LBB



Part # 150297-435 RAB EXP 06/21

43911590 10/13 56BJ2/A27E/B766

Eurofins Xenco, LLC

Prelogin/Nonconformance Report- Sample Log-In

Client: Trinity Oilfield Services & Rentals, LLC**Date/ Time Received:** 10.14.2020 10.57.00 AM**Work Order #:** 675068**Acceptable Temperature Range:** 0 - 6 degC**Air and Metal samples Acceptable Range:** Ambient**Temperature Measuring device used :** IR-8

Sample Receipt Checklist	Comments
#1 *Temperature of cooler(s)?	2.6
#2 *Shipping container in good condition?	Yes
#3 *Samples received on ice?	Yes
#4 *Custody Seals intact on shipping container/ cooler?	N/A
#5 Custody Seals intact on sample bottles?	N/A
#6 *Custody Seals Signed and dated?	N/A
#7 *Chain of Custody present?	Yes
#8 Any missing/extra samples?	No
#9 Chain of Custody signed when relinquished/ received?	Yes
#10 Chain of Custody agrees with sample labels/matrix?	Yes
#11 Container label(s) legible and intact?	Yes
#12 Samples in proper container/ bottle?	Yes
#13 Samples properly preserved?	Yes
#14 Sample container(s) intact?	Yes
#15 Sufficient sample amount for indicated test(s)?	Yes
#16 All samples received within hold time?	Yes
#17 Subcontract of sample(s)?	N/A
#18 Water VOC samples have zero headspace?	N/A

BTEX was in bulk container

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst:

PH Device/Lot#:

Checklist completed by:

Brianna Teel

Date: 10.14.2020

Checklist reviewed by:

Holly Taylor

Date: 10.14.2020

Appendix E

Field Notes

Job Site: SOUTH LOCO HILLS

Date: _____

Client: _____

Notes/Comments:

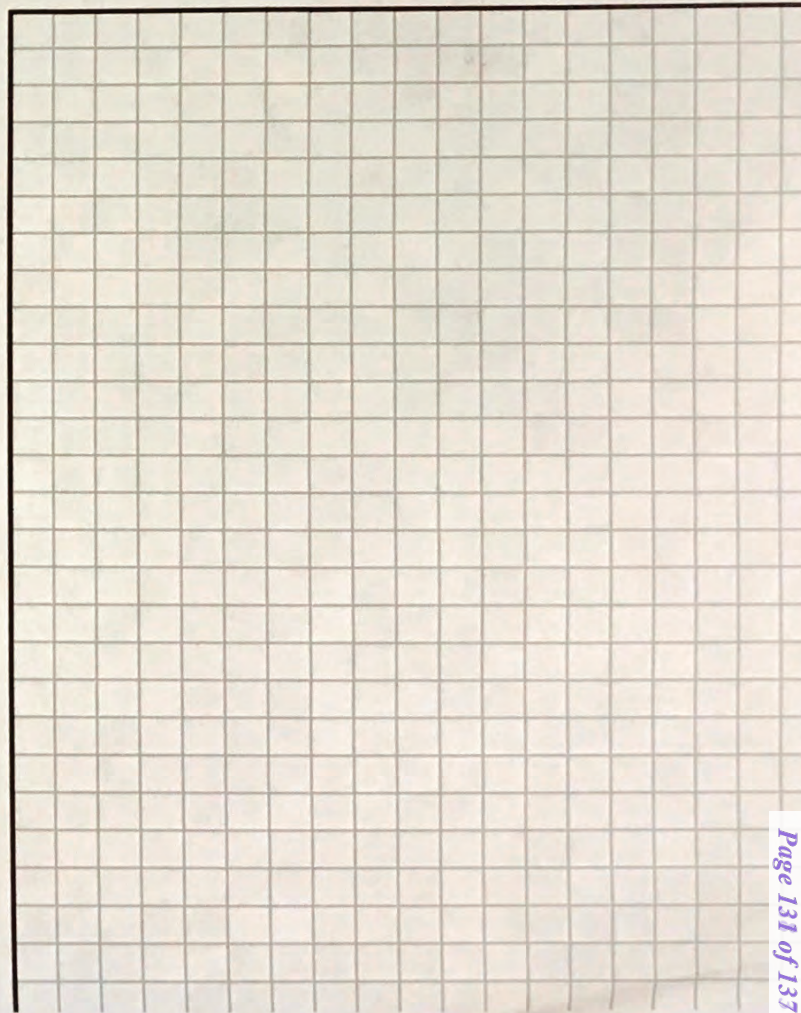
- 02 .05 11:40

SP4 South @ 2 FT

Composite
(Y/N)

Site Sketch

Sample Name	Time	Depth	Chloride	TPH	Composite (Y/N)
SP1 Surf	9:00		.05	X	
SP1 4 FT	9:30		.2	X	
SP2 Surf	9:40		.05	X	
SP2 Q2	9:55		.1	X	
SP3 Surf	10:00		.1	X	
SP3 2	10:20		.05	X	
SP4 Surf	10:25		.05	X	
SP4 2	10:45		.1	X	
SP1 west Surf	10:30		.2		
01	9:35		.25	X	
Q2	9:40		.25	X	
outside Burn 01	9:45		.05		
SP1 South Surf	9:50		.2		
01	9:55		.32	X	
Q2	10:00		.3	X	
OB 01	10:05		.05		
SP2 West Surf	10:10		.05		
01	10:15		.1	X	
Q2	10:20		.1	X	
OB 01	10:25		.1		
SP3 West Surf	10:30		.1	X	
01	10:35		.05		
Q2	10:40		.05	X	
OB 01	10:45		.05		
SP3 East Surf	10:50		.1	X	
01	10:55		.05		
Q2	11:00		.05	X	
SP4 West Surf	11:05		.1	X	
01	11:10		.05		
Q2	11:15		.05	X	
OB 01	11:20		.05		
SP4 South Surf	11:30		.15	X	
01	11:35		.05		



SP1 Surf 149

Q 4FT 599

SP2 Surf 149

Q 2FT 299

SP3 Surf 299

Q 2ft 149

SP4 Surf 149

Q 2 299

SP1 West Surf ~~599~~ 599

SP1 W Q1 749

W Q2 749

Outside Burnol 149

SP1 South S 599

Q1 959

Q2 899

Outside Burnol 149

P2 West S 149

Q1 299

Q2 299

SP3 ~~West S~~ 299 Outside Burn Q1

SP3 West S 299

Q1 149

Q2 149

Outside Burnol 149

SP3 East S 299

Q1 149

Q2 149

SP4 West S 299

Q1 149

Q2 149

Outside Burnol 149

SP4 South S 149

Q1 149

Q2 149

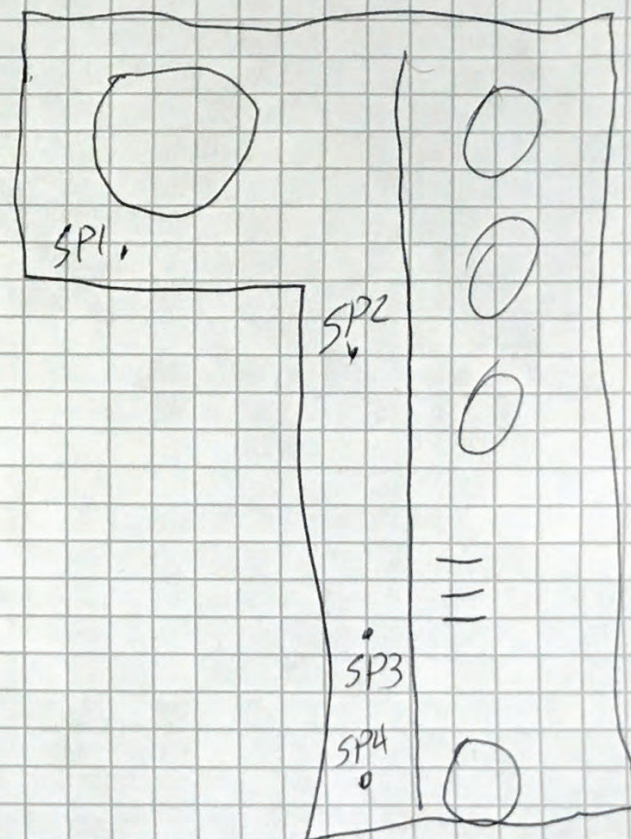
Date: 4/2

Client: Oxy

Notes/Comments:

[illegible]

Site Sketch



13

South Loco
Hills Unit CTP

SP1 e 30

CL 205

SP1 e 30.

CL 180

SP1 e 46

CL 108

SP1 e 48

CL 108

SP1 e 50

CL 100

1044 CL 2846

152

Appendix F

Soil Boring Log



Soil Boring SP-1

Company: OXY USA, Inc.	Well/Borehole ID: SP-1	Drilling Company: HCI Drilling Lubbock TX
Project Name: South Loco Hills CTB	Coordinates (NAD 83): 33.728245,-104.112310	Drilling Method: Air Rotary
NMOCD Reference #: NRM2009941553	Drilling Date: 10/13/2020	Logged By: J Farrell
Location: Eddy Co., NM	Depth of Boring (ft): 50	Drafted By: J Farrell
PLSS: Unit 'O' (SW/SE), Sec. 19, T18S, R29E	Depth to Groundwater (ft): ~185	Draft Date: 10/22/2020
	Plugging Date: 10/13/2020	

Completion: N/A **Casing:** N/A **Screen:** N/A

Comments: Boring location at the northwest corner of the tank containment. Drill Rig is Atlas Copco EPI Rock TH-60

Depth (ft)	Graphic Log	Groundwater	Material Description	PID	Chloride Field Test	Petroleum Odor	Petroleum Stain	Moisture	GRO+DRO	TPH	Benzene	BTEX	Chloride	Well Construction
2			Vegetation, caliche, hydrocarbon stained sand											
4				-		Y	Y	Dry						
6														
8			yellowish orange sand	-		Y	N	Dry						
10			yellowish orange sand	-		Y	N	Dry	148	148				
12			yellow sand	-		Y	N	Dry	205	205				
14			yellowish orange sand	-		Y	N	Dry						
16			yellowish orange sand	-		Y	N	Dry	299	349			1,440	
18			yellowish orange sand	-		Y	N	Dry						
20			yellowish orange sand	-		Y	N	Dry	203	203				
22			orange sand	-		Y	N	Dry						
24			orange sand	-		Y	N	Dry						
26			orange sand	-		Y	N	Dry						
28			orange sand	-		Y	N	Dry						
30			orange sand	-	205	Y	N	Dry	131	131	<0.00200	<0.00200	238	
32			orange sand	-	180	Y	N	Dry	70	70	<0.00198	<0.00198	278	
34			orange sand	-		Y	N	Dry						
36			orange sand	-		Y	N	Dry						
38			orange sand	-		Slight	N	Dry						
40			orange sand	-		Slight	N	Dry						
42			orange sand with medium to coarse gravel to 1 inch diameter	-		N	N	Dry						
44			orange sand with medium to coarse gravel to 1 inch diameter	-		N	N	Dry						
46			orange sand with medium to coarse gravel to 1 inch diameter	-		N	N	Dry						
48			orange sand with medium to coarse gravel to 1 inch diameter	-	108	N	N	Dry						
50			orange sand with medium to coarse gravel to 1 inch diameter	-	108	N	N	Dry	235	235	<0.00199	<0.00199	166	
52			Termination Depth: 50 ft											
54														

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 11095

CONDITIONS OF APPROVAL

Operator:	OXY USA INC	P.O. Box 4294	Houston, TX772104294	OGRID:	16696	Action Number:	11095	Action Type:	C-141
OCD Reviewer									Condition
ceads									None