

NM OIL CONSERVATION

ARTESIA DISTRICT

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

State of New Mexico
Energy Minerals and Natural Resources

FEB 01 2018

Form C-141
Revised April 3, 2017

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

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

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company	OXY USA INC #10096	Contact	WADE DITTRICH
Address	PO BOX 4294; HOUSTON, TX 77210	Telephone No.	575-390-2828
Facility Name	CEDAR CANYON 23-2 BATTERY	Facility Type	BATTERY

Surface Owner	FEE	Mineral Owner	BLM	API No.	30-015-41194

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
M	23	24S	29E	650	SOUTH	660	WEST	EDDY

Latitude 32.1974869 Longitude -103.9616699-(Leak GPS) NAD83

NATURE OF RELEASE

Type of Release	PRODUCED WATER	Volume of Release	50 bbls	Volume Recovered	40 bbls
Source of Release	6 inch Poly Transfer line failure	Date and Hour of Occurrence	1-28-18	Date and Hour of Discovery	
Was Immediate Notice Given?	☒ Yes ☐ No ☐ Not Required	If YES, To Whom?	MIKE BRATCHER-NMOCD; CRYSTAL WEAVER-NMOCD; SHELLY TUCKER-BLM		
By Whom?	WADE DITTRICH	Date and Hour	1-30-2018 @ 3:59 PM		
Was a Watercourse Reached?	☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.			

If a Watercourse was Impacted, Describe Fully.*

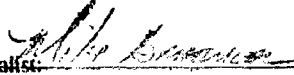
Describe Cause of Problem and Remedial Action Taken.*

Spill was caused by a 6 inch Poly Transfer line failure. Line was repaired and returned to service.

Describe Area Affected and Cleanup Action Taken.*

The affected area is 20 ft x 100 ft (measurements are subject to change with GPS tracking). Remediation will be completed in accordance with a remediation plan approved by the NMOCD and the BLM.

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

Signature: 	OIL CONSERVATION DIVISION	
Printed Name: WADE DITTRICH	Approved by Environmental Specialist: 	
Title: ENVIROMENTAL SPECIALIST	Approval Date: 3/5/18	Expiration Date: N/A
E-mail Address: wade.dittrich@oxy.com	Conditions of Approval: See attached	Attached ☐ 2P-4647
Date: 2-1-18 Phone: 575-390-2828		

* Attach Additional Sheets If Necessary

3/5/18 AB

Incident ID	NAB1806442185
District RP	
Facility ID	
Application ID	

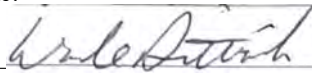
Closure

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

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

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

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

Printed Name: Wade DittrichTitle: Environmental CoordinatorSignature: Date: 10/30/2023email: Wade_Dittrich@oxy.comTelephone: 575-390-2828

OCD Only

Received by: Shelly WellsDate: 11/7/2023

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

Closure Approved by: Date: 11/20/2023Printed Name: Ashley MaxwellTitle: Environmental Specialist

Incident will remain open. Release is subject to 19.15.29.13 Restoration, reclamation, and revegetation.

Incident ID	NAB1806442185
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>>105</u> (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ 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)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ 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?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas not on an exploration, development, production, or storage site?	☒ Yes ☐ No

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

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

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

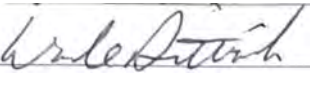
If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods,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

State of New Mexico
Oil Conservation Division

Page 4

Incident ID	NAB1806442185
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 Dittrich Title: Environmental Coordinator
Signature:  Date: 10/30/2023
email: Wade_Dittrich@oxy.com Telephone: 575-390-2828

OCD Only

Received by: _____ Date: _____



FW: Site Approvals 1RP-4905 and 2RP-4599

Dittrich, John W <Wade_Dittrich@oxy.com>
To: "Ben J. Arguijo" <ben@trinityoilfieldservices.com>
Cc: Josh Halcomb <josh@trinityoilfieldservices.com>

Tue, May 19, 2020 at 3:29 PM

FYI

From: Billings, Bradford, EMNRD <Bradford.Billings@state.nm.us>
Sent: Tuesday, May 19, 2020 3:15 PM
To: Dittrich, John W <Wade_Dittrich@oxy.com>
Subject: [EXTERNAL] Site Approvals 1RP-4905 and 2RP-4599

05/19/2020

Wade Dittrich – OXY

Dear Mr. Dittrich,

RE: 1RP-4905 and 2RP-4599

The Oil Conservation Division (OCD) post review of submitted remedial action work plans has the following:

1RP-4905 - Remedial work plan is APPROVED.

2RP-4599 – Remedial Work Plan is APPROVED WITH CONDITION: To wit, resubmit deferral request for specific areas when you have maximized remedial actions on site and have improved calculation on areas you may wish to defer.

Please keep this communication for your records as no paper copy will follow. It may take some time for these documents to appear on OCD imaging. Also, in future, please include the incident identification number of sites on all communication. Thank you.

OCD appreciates your efforts.

Sincerely,

Bradford G. Billings

EMNRD/OCD

5200 Oakland , NE, Suite 100

Albuquerque, NM 87113

Released to Imaging: 11/20/2023 11:29:41 AM

OCD approval does not relieve the operator of liability should their operations fail to adequately investigate and remediate contamination that may pose a threat to ground water, surface water, human health or the environment. In addition, OCD approval does not relieve the operator of responsibility for compliance with any other federal, state, local laws and/or regulations

Trinity Oilfield Services & Rentals, LLC



October 30th, 2023

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

Re: **Closure Request**
Vortec 22 #001 and Cedar Canyon 23-2 Battery
Tracking #: NAB1803635240 & NAB1806442185

Trinity Oilfield Services (Trinity), on behalf of OXY USA, Inc., hereby submits the following Closure Request in response to releases that occurred at the above-referenced locations, and further described below.

Site Information	
Incident ID	NAB1803635240 & NAB1806442185
Site Name	Vortec 22 #001 & Cedar Canyon 23-2 Battery
Company	OXY USA, Inc.
County	Eddy
ULSTR	P-22-24S-29E
GPS Coordinates (NAD 83)	32.1966019, -103.9648743
Landowner	Private

HISTORICAL RELEASE BACKGROUND

On 1/30/2018, OXY USA, Inc. reported a release at the Vortec 22 #001 and Cedar Canyon 23-2 Battery. The releases were caused by a compilation of Poly Transfer Line failures resulting from fire and equipment error. Approximately 34,857 sqft. of the Pad and Pasture was found to be damp upon initial inspection. All referenced incidents have been commingled to account for the overlap and remedial integrity.

Release Information: NAB1803635240	
Date of Release	1/28/2018
Type of Release	Produced Water
Source of Release	Fire
Volume Released – Produced Water	50 bbls
Volume Recovered – Produced Water	40 bbls
Volume Released – Crude Oil	0 bbls
Volume Recovered – Crude Oil	0 bbls

Release Information: NAB1806442185	
Date of Release	1/28/2018
Type of Release	Produced Water
Source of Release	Equipment Error
Volume Released – Produced Water	50 bbls
Volume Recovered – Produced Water	40 bbls
Volume Released – Crude Oil	0 bbls
Volume Recovered – Crude Oil	0 bbls

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

Data Source	Well Number	Data Date	Depth (ft.)
NM OSE	NA	NA	NA
USGS	NA	NA	NA
Soil Bore	SB-12	06/20/2023	105'

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

On 06/20/2023, Trinity was onsite to drill a groundwater determination borehole (SB-12) to 105' below ground surface within a $\frac{1}{2}$ mile radius of the incident location. The borehole was left open for 72 hours and checked for the presence of groundwater. As a result, no water was detected at 105' below surface at the borehole location (32.199372, -103.967847). The driller log is attached for reference.

General Site Characterization:

Site Assessment	
Karst Potential	Medium
Distance to Watercourse	> 1000 ft.
Within 100 yr Floodplain	No
Pasture Impact	Yes

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

Closure Criteria:

On-Site & Off-Site 4ft bgs Recommended Remedial Action Levels (RRALs)	
Chlorides	20,000 mg/kg
TPH (GRO and DRO and MRO)	2,500 mg/kg
TPH (GRO and DRO)	1,000 mg/kg
BTEX	50 mg/kg
Benzene	10 mg/kg

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

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

Delineation Summary	
Delineation Dates	5/16/2018 – 10/05/2023
Depths Sampled	3" - 15'
Delineation Map	Attached
Laboratory Results	Table 1

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

Confirmation Activities:

Remediation Summary	
Remediation Dates	7/8/2020 - 10/05/2023
Workplan Approval	3/13/2018
Confirmation Sample Notification	10/21/2020
Liner Variance Request	None
Deferral Request	None
Depths Excavated	6" - 4'
Area Represented by the required 5-point Confirmation Samples – Floors and Walls	500 sqft.
Total Volume of Excavated Soil	2,370 yards
Remediation Map	Attached
Laboratory Results	Table 2

Impacted soil within the release margins was excavated and temporarily stockpiled on-site on a 6-mil plastic sheeting, pending final disposition. Unless a Variance Request has been approved, all Floor and On-Site Walls of the excavated area were advanced until laboratory analytical results from confirmation soil samples indicate Chloride, Benzene, BTEX, and TPH concentrations are below the RRAL NMOCD Closure Criteria listed in the Table above, and all Off-Site Walls were advanced to meet reclamation standards. Confirmation soil samples (five-point composites representing no more than 500 sqft. of the excavated area) were collected from the floor and sidewalls.

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

The following samples have been intentionally excluded from the data presented in Table 2:

GA-31,32 E. Wall Composite (07/30/2020), GA-44 N. Wall Composite (08/07/2020), GA-45 N. Wall Composite (08/11/2020), GA-46 N. Wall Composite (08/11/2020), GA-47 N. Wall Composite (08/11/2020), GA-16 S. Wall Composite (08/26/2020), GA-48 N. Wall Composite (08/27/2020), GA-49 N. Wall Composite (08/27/2020), GA-49 E. Wall Composite (08/27/2020), GA-50 E. Wall Composite (09/04/2020), GA-61 W. Wall Composite (09/22/2020), GA-15 N. Wall Composite (08/03/2020 & 10/05/2020), and GA-69 Floor Composite (10/23/2020).

The omission is attributed to a user error that transpired during the sampling process, wherein remediation wall samples were mistakenly taken from within the excavation area and subsequently mislabeled. The remediation floor sample was also mislabeled. Consequently, these samples were deemed unsuitable for inclusion in the table, as they do not accurately reflect the sampling protocols.

SITE RECLAMATION AND RESTORATION

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

REQUEST FOR CLOSURE

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

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

Sincerely,

Dan Dunkelberg

Dan Dunkelberg
Project Manager

Cynthia Jordan

Cynthia Jordan
Project Scientist



FW: Site Approvals 1RP-4905 and 2RP-4599

Ben J. Arguijo <ben@trinityoilfieldservices.com>
To: "Billings, Bradford, EMNRD" <Bradford.Billings@state.nm.us>

Wed, Oct 21, 2020 at 3:46 PM

Mr. Billings,

This is to inform you that we will be conducting a final confirmation sampling event at the Vortec 22 #1 Battery (2RP-4599) on Friday, October 23.

Thank you for your time and consideration.

Respectfully,
Ben J. Arguijo

Ben J. Arguijo
Environmental Project Manager
Trinity Oilfield Services & Rentals, LLC
P.O. Box 2587
Hobbs, NM 88241
(575)390-7208
ben@trinityoilfieldservices.com

On Tue, May 19, 2020 at 3:29 PM Dittrich, John W <Wade_Dittrich@oxy.com> wrote:
[Quoted text hidden]

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

OXY USA, INC.
VORTEC 22 #1 BATTERY & CEDAR CANYON 23-2 BATTERY
EDDY COUNTY, NEW MEXICO
NMOCD REFERENCE #: NAB1803635240 & NAB1806442185



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					10.0	NE	NE	NE	NE	NE	50.0	NE	NE	1,000	NE	2,500	20,000
Vertical Delineation																	
SP-1 @ 6"	3" - 6"	6/11/2018	Grab	In-Situ	<0.0020	-	-	-	-	-	<0.0020	<15.0	<15.0	<15.0	<15.0	<15.0	810
SP-2 @ 6"	3" - 6"	6/11/2018	Grab	In-Situ	<0.0020	-	-	-	-	-	<0.0020	<15.0	<15.0	<15.0	<15.0	<15.0	109
SP-3 @ 6"	3" - 6"	6/11/2018	Grab	In-Situ	<0.0020	-	-	-	-	-	<0.0020	<15.0	<15.0	<15.0	<15.0	<15.0	73.9
SP-4 @ 6"	3" - 6"	6/11/2018	Grab	In-Situ	<0.0020	-	-	-	-	-	<0.0020	<15.0	<15.0	<15.0	<15.0	<15.0	23.3
SP-5 @ 6"	3" - 6"	6/11/2018	Grab	In-Situ	<0.0020	-	-	-	-	-	<0.0020	<14.9	<14.9	<14.9	<14.9	<14.9	24,400
SP-5 @ 1'	1'	5/16/2018	Grab	In-Situ	-	-	-	-	-	-	-	-	-	-	-	-	18,200
SP-5 @ 4'	4'	5/16/2018	Grab	In-Situ	-	-	-	-	-	-	-	-	-	-	-	-	2,360
SP-5 @ 12'	12'	5/16/2018	Grab	In-Situ	-	-	-	-	-	-	-	-	-	-	-	-	1,980
SP-6 @ 6"	3" - 6"	6/11/2018	Grab	In-Situ	<0.0020	-	-	-	-	-	<0.0020	<15.0	24.9	24.9	<15.0	24.9	23,700
SP-6 @ 1.5'	1.5'	3/29/2019	Grab	In-Situ	<0.0020	-	-	-	-	-	<0.0020	<15.0	<15.0	<15.0	<15.0	<15.0	1,160
SP-6 @ 5.5'	5.5'	3/29/2019	Grab	In-Situ	<0.0020	-	-	-	-	-	<0.0020	<15.0	<15.0	<15.0	<15.0	<15.0	2,470
SP-6 @ 10.5'	10.5'	3/29/2019	Grab	In-Situ	<0.0020	-	-	-	-	-	<0.0020	<14.9	<14.9	<14.9	<14.9	<14.9	2,590
SP-6 @ 13'	13'	3/29/2019	Grab	In-Situ	<0.0020	-	-	-	-	-	<0.0020	<14.9	<14.9	<14.9	<14.9	<14.9	2,780
SP-7 @ 6"	3" - 6"	6/11/2018	Grab	In-Situ	<0.0020	-	-	-	-	-	<0.0020	<15.0	<15.0	<15.0	<15.0	<15.0	20,100
SP-7 @ 5'	5'	5/16/2018	Grab	In-Situ	-	-	-	-	-	-	-	-	-	-	-	-	3,370
SP-7 @ 12'	12'	5/16/2018	Grab	In-Situ	-	-	-	-	-	-	-	-	-	-	-	-	1,360
SP-8 @ 6"	3" - 6"	6/11/2018	Grab	In-Situ	<0.0020	-	-	-	-	-	<0.0020	<15.0	<15.0	<15.0	<15.0	<15.0	43.8
SP-8 @ 1'	1'	5/16/2018	Grab	In-Situ	-	-	-	-	-	-	-	-	-	-	-	-	7,180
SP-8 @ 4'	4'	5/16/2018	Grab	In-Situ	-	-	-	-	-	-	-	-	-	-	-	-	3,390
SP-8 @ 13'	13'	5/16/2018	Grab	In-Situ	-	-	-	-	-	-	-	-	-	-	-	-	1,260
SP-9 @ 6"	3" - 6"	6/12/2018	Grab	In-Situ	<0.0020	-	-	-	-	-	<0.0020	<15.0	<15.0	<15.0	<15.0	<15.0	16,200
SP-10 @ 5'	5'	6/11/2018	Grab	In-Situ	<0.0020	-	-	-	-	-	<0.0020	<14.9	43.4	43.4	<14.9	43.4	2,360
SP-10 @ 11'	11'	6/11/2018	Grab	In-Situ	<0.0020	-	-	-	-	-	<0.0020	<15.0	<15.0	<15.0	<15.0	<15.0	2,060
SP-11 @ 6"	3" - 6"	6/12/2018	Grab	In-Situ	<0.0020	-	-	-	-	-	<0.0020	<15.0	<15.0	<15.0	<15.0	<15.0	27,900
SP-11 @ 1.5'	1.5'	3/28/2019	Grab	In-Situ	<0.0020	-	-	-	-	-	<0.0020	<15.0	<15.0	<15.0	<15.0	<15.0	1,440
SP-11 @ 5.5'	5.5'	3/29/2019	Grab	In-Situ	<0.0020	-	-	-	-	-	<0.0020	<15.0	<15.0	<15.0	<15.0	<15.0	3,190
SP-11 @ 12'	12'	3/29/2019	Grab	In-Situ	<0.0020	-	-	-	-	-	<0.0020	<15.0	<15.0	<15.0	<15.0	<15.0	2,380
SP-12 @ 3'	3'	6/8/2018	Grab	In-Situ	<0.0020	-	-	-	-	-	<0.0020	<15.0	<15.0	<15.0	<15.0	<15.0	4,070
SP-12 @ 9'	9'	6/8/2018	Grab	In-Situ	<0.0020	-	-	-	-	-	<0.0020	<14.9	<14.9	<14.9	<14.9	<14.9	1,390
SP-12 @ 13'	13'	6/8/2018	Grab	In-Situ	<0.0020	-	-	-	-	-	<0.0020	<15.0	<15.0	<15.0	<15.0	<15.0	1,640
SP-13 @ 3'	3'	6/8/2018	Grab	In-Situ	<0.0020	-	-	-	-	-	<0.0020	<15.0	<15.0	<15.0	<15.0	<15.0	1,050
SP-13 @ 9'	9'	6/8/2018	Grab	In-Situ	<0.0020	-	-	-	-	-	<0.0020	<15.0	<15.0	<15.0	<15.0	<15.0	1,660
SP-13 @ 13'	13'	6/8/2018	Grab	In-Situ	<0.0020	-	-	-	-	-	<0.0020	<15.0	<15.0	<15.0	<15.0	<15.0	2,230
SP-14 @ 6"	3" - 6"	6/12/2018	Grab	In-Situ	<0.0020	-	-	-	-	-	<0.0020	<15.0	637	637	<15.0	637	21,900
SP-14 @ 1.5'	1.5'	3/28/2019	Grab	In-Situ	<0.0020	-	-	-	-	-	<0.0020	<15.0	<15.0	<15.0	<15.0	<15.0	924
SP-14 @ 4.5'	4.5'	3/29/2019	Grab	In-Situ	<0.0020	-	-	-	-	-	<0.0020	<15.0	<15.0	<15.0	<15.0	<15.0	2,470
SP-14 @ 10'	10'	3/29/2019	Grab	In-Situ	<0.0020	-	-	-	-	-	<0.0020	<15.0	<15.0	<15.0	<15.0	<15.0	2,780
SP-15 @ 6"	3" - 6"	6/12/2018	Grab	In-Situ	<0.0020	-	-	-	-	-	<0.0020	<15.0	207	207	<15.0	207	7,960
SP-16 @ 1'	1'	6/11/2018	Grab	In-Situ	<0.0020	-	-	-	-	-	<0.0020	<15.0	<15.0	<15.0	<15.0	<15.0	3,260
SP-16 @ 5'	5'	6/11/2018	Grab	In-Situ	<0.0020	-	-	-	-	-	<0.0020	<15.0	<15.0	<15.0	<15.0	<15.0	3,930

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

OXY USA, INC.
VORTEC 22 #1 BATTERY & CEDAR CANYON 23-2 BATTERY
EDDY COUNTY, NEW MEXICO
NMOCD REFERENCE #: NAB1803635240 & NAB1806442185



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					10.0	NE	NE	NE	NE	NE	50.0	NE	NE	1,000	NE	2,500	20,000
SP-16 @ 11'	11'	6/11/2018	Grab	In-Situ	<0.0020	-	-	-	-	-	<0.0020	<15.0	<15.0	<15.0	<15.0	<15.0	2,840
SP-17 @ 3'	3'	6/7/2018	Grab	In-Situ	<0.0020	-	-	-	-	-	<0.0020	<15.0	<15.0	<15.0	<15.0	<15.0	1,550
SP-17 @ 9'	9'	6/7/2018	Grab	In-Situ	<0.0020	-	-	-	-	-	<0.0020	<15.0	<15.0	<15.0	<15.0	<15.0	1,970
SP-17 @ 11'	11'	6/7/2018	Grab	In-Situ	<0.0020	-	-	-	-	-	<0.0020	<15.0	<15.0	<15.0	<15.0	<15.0	2,090
SP-17 @ 13'	13'	3/28/2019	Grab	In-Situ	<0.0020	-	-	-	-	-	<0.0020	<15.0	<15.0	<15.0	<15.0	<15.0	1,870
SP-17 @ 15'	15'	3/28/2019	Grab	In-Situ	<0.0020	-	-	-	-	-	<0.0020	<15.0	<15.0	<15.0	<15.0	<15.0	1,670
SP-18 @ 1'	1'	6/11/2018	Grab	In-Situ	<0.0020	-	-	-	-	-	<0.0020	<15.0	<15.0	<15.0	<15.0	<15.0	583
Horizontal Delineation																	
DH-001.0-01.0-P	1	10/5/2023	Grab	In-Situ	<0.50	-	-	-	-	-	<.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
DH-002.0-01.0-P	1	10/5/2023	Grab	In-Situ	<0.50	-	-	-	-	-	<.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
DH-003.0-01.0-P	1	10/5/2023	Grab	In-Situ	<0.50	-	-	-	-	-	<.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
DH-004.0-01.0-P	1	10/5/2023	Grab	In-Situ	<0.50	-	-	-	-	-	<.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
DH-005.0-01.0-P	1	10/5/2023	Grab	In-Situ	<0.50	-	-	-	-	-	<.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
DH-006.0-01.0-P	1	10/5/2023	Grab	In-Situ	<0.50	-	-	-	-	-	<.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
DH-007.0-01.0-P	1	10/5/2023	Grab	In-Situ	<0.50	-	-	-	-	-	<.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
DH-008.0-01.0-P	1	10/5/2023	Grab	In-Situ	<0.50	-	-	-	-	-	<.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
DH-009.0-01.0-P	1	10/5/2023	Grab	In-Situ	<0.50	-	-	-	-	-	<.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
DH-010.0-01.0-P	1	10/5/2023	Grab	In-Situ	<0.50	-	-	-	-	-	<.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
DH-011.0-01.0-P	1	10/5/2023	Grab	In-Situ	<0.50	-	-	-	-	-	<.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0

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

OXY USA, INC.
VORTEC 22 #1 BATTERY & CEDAR CANYON 23-2 BATTERY
EDDY COUNTY, NEW MEXICO
NMOCD REFERENCE #: NAB1803635240 & NAB1806442185



SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	FLOOR/WALL	OFF-SITE/ON-SITE	SAMPLE TYPE	SOIL STATUS	BENZENE (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	50	NE	NE	1,000	NE	2,500	20,000
Remediation Floors														
GA-1 Floor Composite	6"	7/8/2020	Floor	Off-Site	Composite	In-Situ	<0.0020	<0.0020	<50.0	<50.0	<50.0	<50.0	<50.0	320
GA-2 Floor Composite	6"	7/8/2020	Floor	Off-Site	Composite	In-Situ	<0.0020	<0.0020	<50.0	<50.0	<50.0	<50.0	<50.0	346
GA-3 Floor Composite	6"	7/8/2020	Floor	Off-Site	Composite	In-Situ	<0.0020	<0.0020	<49.9	<49.9	<49.9	<49.9	<49.9	162
GA-4 Floor Composite	6"	7/8/2020	Floor	Off-Site	Composite	In-Situ	<0.0020	<0.0020	<50.0	<50.0	<50.0	<50.0	<50.0	140
GA-5 Floor Composite	6"	7/9/2020	Floor	Off-Site	Composite	In-Situ	<0.0020	<0.0020	<50.0	<50.0	<50.0	<50.0	<50.0	121
GA-6 Floor Composite	6"	7/9/2020	Floor	Off-Site	Composite	In-Situ	<0.0020	<0.0020	<50.0	<50.0	<50.0	<50.0	<50.0	42.9
GA-7 Floor Composite	6"	7/9/2020	Floor	Off-Site	Composite	In-Situ	<0.0020	0.0035	<50.0	<50.0	<50.0	<50.0	<50.0	340
GA-8 Floor Composite	6"	7/9/2020	Floor	Off-Site	Composite	In-Situ	<0.0020	<0.0020	<49.9	<49.9	<49.9	<49.9	<49.9	77.6
GA-9 Floor Composite	6"	7/9/2020	Floor	Off-Site	Composite	In-Situ	<0.0020	<0.0020	<49.8	<49.8	<49.8	<49.8	<49.8	225
GA-10 Floor Composite	6"	7/14/2020	Floor	Off-Site	Composite	In-Situ	<0.0020	<0.0020	<49.8	<49.8	<49.8	<49.8	<49.8	383
GA-11 Floor Composite	6"	7/14/2020	Floor	Off-Site	Composite	In-Situ	<0.0020	<0.0020	<50.0	<50.0	<50.0	<50.0	<50.0	135
GA-12 Floor Composite	6"	7/14/2020	Floor	Off-Site	Composite	In-Situ	<0.0020	<0.0020	<50.0	<50.0	<50.0	<50.0	<50.0	147
GA-13 Floor Composite	6"	7/24/2020	Floor	Off-Site	Composite	Excavated	<0.0020	<0.0020	<50.0	<50.0	<50.0	<50.0	<50.0	22,800
GA-13 Floor Composite	4'	10/23/2020	Floor	Off-Site	Composite	In-Situ	<0.0020	<0.0020	<50.0	<50.0	<50.0	<50.0	<50.0	2670
GA-14 Floor Composite	4'	8/26/2020	Floor	Off-Site	Composite	In-Situ	<0.0020	<0.0020	<49.9	<49.9	<49.9	<49.9	<49.9	118
GA-15 Floor Composite	4'	8/3/2020	Floor	Off-Site	Composite	In-Situ	<0.0020	<0.0020	<49.9	<49.9	<49.9	<49.9	<49.9	3,450
GA-16 Floor Composite	4'	8/3/2020	Floor	Off-Site	Composite	In-Situ	<0.0020	<0.0020	<50.0	<50.0	<50.0	<50.0	<50.0	6,650
GA-17 Floor Composite	4'	8/3/2020	Floor	Off-Site	Composite	In-Situ	<0.0020	<0.0020	<49.9	<49.9	<49.9	<49.9	<49.9	4,550
GA-18 Floor Composite	4'	7/29/2020	Floor	Off-Site	Composite	In-Situ	<0.0020	<0.0020	<50.0	<50.0	<50.0	<50.0	<50.0	3,690
GA-19 Floor Composite	4'	8/26/2020	Floor	Off-Site	Composite	In-Situ	<0.0020	<0.0020	<49.8	<49.8	<49.8	<49.8	<49.8	3,840
GA-20 Floor Composite	4'	8/4/2020	Floor	Off-Site	Composite	In-Situ	<0.0020	<0.0020	<50.0	<50.0	<50.0	<50.0	<50.0	307
GA-21 Floor Composite	4'	8/4/2020	Floor	Off-Site	Composite	In-Situ	<0.0020	<0.0020	<49.9	<49.9	<49.9	<49.9	<49.9	3,830
GA-22 Floor Composite	4'	7/29/2020	Floor	Off-Site	Composite	In-Situ	<0.0020	<0.0020	<49.9	<49.9	<49.9	<49.9	<49.9	3,070
GA-23 Floor Composite	4'	8/26/2020	Floor	Off-Site	Composite	In-Situ	<0.0020	<0.0020	<50.0	<50.0	<50.0	<50.0	<50.0	1,920
GA-24 Floor Composite	4'	8/27/2020	Floor	Off-Site	Composite	In-Situ	<0.0020	<0.0020	<49.9	<49.9	<49.9	<49.9	<49.9	6,730
GA-25 Floor Composite	4'	8/27/2020	Floor	Off-Site	Composite	In-Situ	<0.0020	<0.0020	<50.0	<50.0	<50.0	<50.0	<50.0	15,700
GA-26 Floor Composite	4'	8/7/2020	Floor	Off-Site	Composite	In-Situ	<0.0020	<0.0020	<49.9	<49.9	<49.9	<49.9	<49.9	13,500
GA-27 Floor Composite	4'	8/27/2020	Floor	Off-Site	Composite	In-Situ	<0.0020	<0.0020	<49.9	<49.9	<49.9	<49.9	<49.9	13,600
GA-28 Floor Composite	4'	8/7/2020	Floor	Off-Site	Composite	In-Situ	<0.0020	<0.0020	<50.0	<50.0	<50.0	<50.0	<50.0	3,090
GA-29 Floor Composite	4'	8/27/2020	Floor	Off-Site	Composite	In-Situ	<0.0020	<0.0020	<49.8	<49.8	<49.8	<49.8	<49.8	17,100
GA-30 Floor Composite	4'	8/27/2020	Floor	Off-Site	Composite	In-Situ	<0.0020	<0.0020	<50.0	<50.0	<50.0	<50.0	<50.0	16,600
GA-31 Floor Composite	4'	7/30/2020	Floor	Off-Site	Composite	In-Situ	<0.0020	<0.0020	<50.0	<50.0	<50.0	<50.0	<50.0	19,600
GA-32 Floor Composite	4'	7/30/2020	Floor	Off-Site	Composite	In-Situ	<0.0020	<0.0020	<49.8	<49.8	<49.8	<49.8	<49.8	8,850
GA-33 Floor Composite	1'	9/4/2020	Floor	On-Site	Composite	In-Situ	<0.0020	0.0027	<50.0	<50.0	<50.0	<50.0	<50.0	313
GA-34 Floor Composite	1'	9/4/2020	Floor	On-Site	Composite	In-Situ	<0.0020	<0.0020	<50.0	101	101	<50.0	101	2,880
GA-35 Floor Composite	1'	7/13/2020	Floor	On-Site	Composite	In-Situ	<0.0020	<0.0020	<50.0	<50.0	<50.0	<50.0	<50.0	901
GA-36 Floor Composite	1'	9/4/2020	Floor	On-Site	Composite	In-Situ	0.00214	0.0057	<50.0	113	113	<50.0	113	3,080
GA-37 Floor Composite	1'	7/13/2020	Floor	On-Site	Composite	In-Situ	<0.0020	<0.0020	<49.8	<49.8	<49.8	<49.8	<49.8	5,450
GA-38 Floor Composite	1'	7/13/2020	Floor	On-Site	Composite	In-Situ	<0.0020	<0.0020	<49.9	<49.9	<49.9	<49.9	<49.9	1,030
GA-39 Floor Composite	1'	9/11/2020	Floor	On-Site	Composite	In-Situ	<0.0020	<0.0020	<50.0	<50.0	<50.0	<50.0	<50.0	4,370
GA-40 Floor Composite	1'	9/11/2020	Floor	On-Site	Composite	In-Situ	<0.0020	<0.0020	<49.9	<49.9	<49.9	<49.9	<49.9	7,110

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

OXY USA, INC.
VORTEC 22 #1 BATTERY & CEDAR CANYON 23-2 BATTERY
EDDY COUNTY, NEW MEXICO
NMOCD REFERENCE #: NAB1803635240 & NAB1806442185



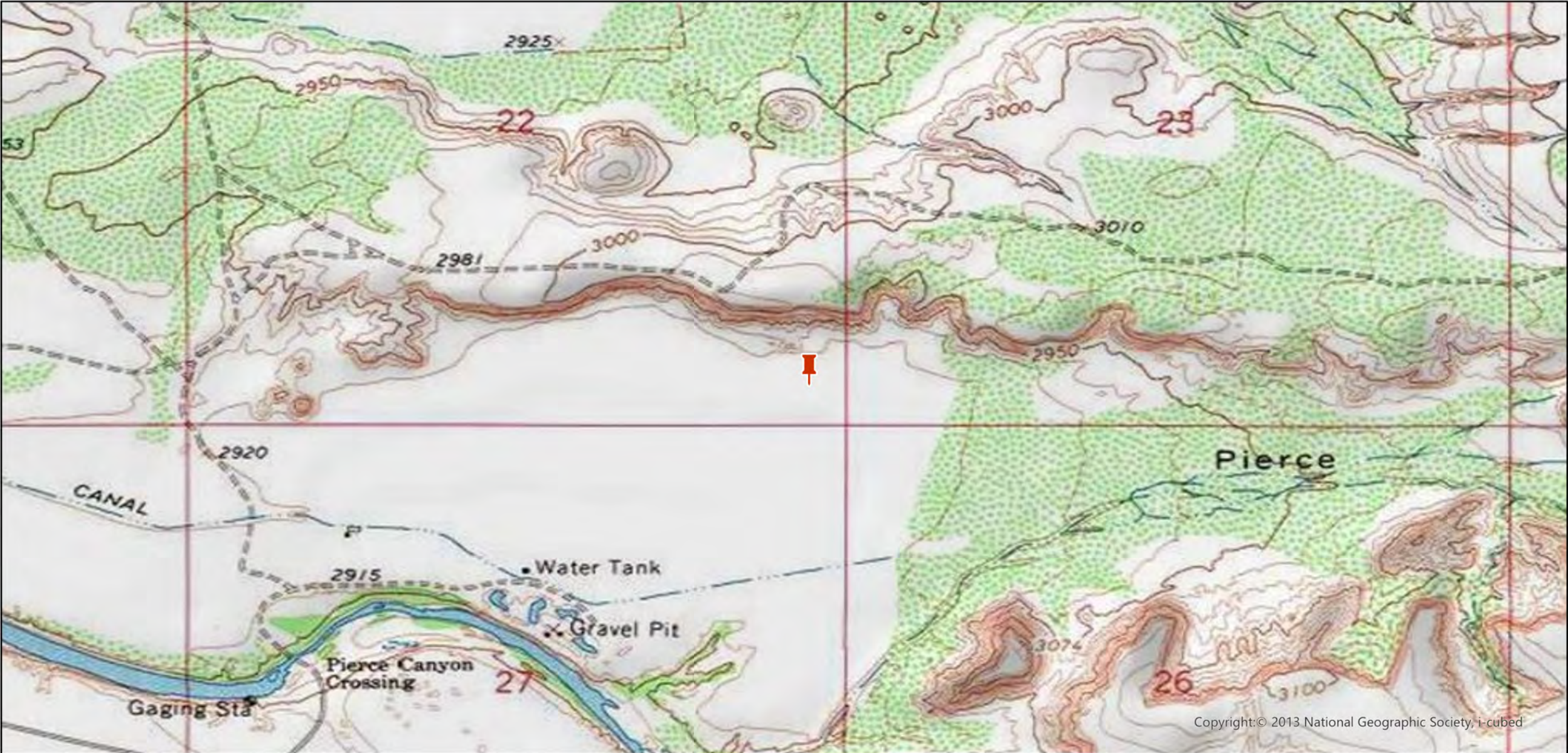
SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	FLOOR/WALL	OFF-SITE/ON-SITE	SAMPLE TYPE	SOIL STATUS	BENZENE (mg/kg)	TOTAL BTEX (mg/kg)	GRO C6-C12 (mg/kg)	DRO C12-C28 (mg/kg)	GRO+ DRO (mg/kg)	MRO C28-C35 (mg/kg)	TPH C6-C35 (mg/kg)	CHLORIDE (mg/kg)
NMOCD Closure Limits							10	50	NE	NE	1,000	NE	2,500	20,000
GA-41 Floor Composite	1'	9/11/2020	Floor	On-Site	Composite	In-Situ	<0.0020	<0.0020	<50.0	<50.0	<50.0	<50.0	<50.0	16,800
GA-42 Floor Composite	1'	9/11/2020	Floor	On-Site	Composite	In-Situ	<0.0020	<0.0020	<49.9	<49.9	<49.9	<49.9	<49.9	15,300
GA-43 Floor Composite	1'	9/11/2020	Floor	On-Site	Composite	In-Situ	<0.0020	<0.0020	<50.0	<50.0	<50.0	<50.0	<50.0	184
GA-44 Floor Composite	4'	8/7/2020	Floor	Off-Site	Composite	In-Situ	<0.0020	<0.0020	<49.8	<49.8	<49.8	<49.8	<49.8	1,190
GA-45 Floor Composite	4'	8/11/2020	Floor	Off-Site	Composite	In-Situ	<0.0020	<0.0020	<50.0	<50.0	<50.0	<50.0	<50.0	1,270
GA-46 Floor Composite	4'	8/11/2020	Floor	Off-Site	Composite	In-Situ	<0.0020	<0.0020	<49.8	<49.8	<49.8	<49.8	<49.8	2,430
GA-47 Floor Composite	4'	8/11/2020	Floor	Off-Site	Composite	In-Situ	<0.0020	<0.0020	<50.0	<50.0	<50.0	<50.0	<50.0	2,640
GA-48 Floor Composite	4'	8/20/2020	Floor	Off-Site	Composite	In-Situ	<0.0020	<0.0020	<50.0	<50.0	<50.0	<50.0	<50.0	1,690
GA-49 Floor Composite	4'	8/27/2020	Floor	Off-Site	Composite	In-Situ	<0.0020	<0.0020	<50.0	<50.0	<50.0	<50.0	<50.0	6,340
GA-50 Floor Composite	4'	9/4/2020	Floor	Off-Site	Composite	In-Situ	<0.0020	0.0039	<49.9	<49.9	<49.9	<49.9	<49.9	16,600
GA-51 Floor Composite	4'	9/4/2020	Floor	Off-Site	Composite	In-Situ	<0.0020	0.0025	<50.0	<50.0	<50.0	<50.0	<50.0	16,500
GA-52 Floor Composite	4'	9/4/2020	Floor	Off-Site	Composite	In-Situ	<0.0020	0.0025	<50.0	<50.0	<50.0	<50.0	<50.0	13,500
GA-53 Floor Composite	4'	9/4/2020	Floor	Off-Site	Composite	In-Situ	<0.0020	<0.0020	<49.9	<49.9	<49.9	<49.9	<49.9	13,300
GA-54 Floor Composite	4'	9/4/2020	Floor	Off-Site	Composite	In-Situ	<0.0020	<0.0020	<50.0	<50.0	<50.0	<50.0	<50.0	7,440
GA-55 Floor Composite	4'	9/4/2020	Floor	Off-Site	Composite	In-Situ	<0.0020	<0.0020	<49.9	<49.9	<49.9	<49.9	<49.9	7,040
GA-56 Floor Composite	4'	9/25/2020	Floor	Off-Site	Composite	In-Situ	<0.0020	<0.0020	<50.0	<50.0	<50.0	<50.0	<50.0	2,860
GA-57 Floor Composite	4'	9/11/2020	Floor	Off-Site	Composite	In-Situ	<0.0020	0.0025	<49.9	<49.9	<49.9	<49.9	<49.9	179
GA-58 Floor Composite	4'	9/21/2020	Floor	Off-Site	Composite	In-Situ	<0.0020	<0.0020	<50.0	<50.0	<50.0	<50.0	<50.0	2,860
GA-59 Floor Composite	4'	9/21/2020	Floor	Off-Site	Composite	In-Situ	<0.0020	<0.0020	<50.0	<50.0	<50.0	<50.0	<50.0	4,140
GA-60 Floor Composite	4'	9/22/2020	Floor	Off-Site	Composite	In-Situ	<0.0020	<0.0020	<49.9	<49.9	<49.9	<49.9	<49.9	1,730
GA-61 Floor Composite	4'	9/23/2020	Floor	Off-Site	Composite	In-Situ	<0.0020	<0.0020	<49.8	<49.8	<49.8	<49.8	<49.8	3,000
GA-62 Floor Composite	4'	9/22/2020	Floor	Off-Site	Composite	In-Situ	<0.0020	<0.0020	<50.0	<50.0	<50.0	<50.0	<50.0	3,900
GA-63 Floor Composite	4'	9/23/2020	Floor	Off-Site	Composite	In-Situ	<0.0020	<0.0020	<50.0	<50.0	<50.0	<50.0	<50.0	3,130
GA-64 Floor Composite	4'	9/24/2020	Floor	Off-Site	Composite	In-Situ	<0.0020	<0.0020	<49.9	<49.9	<49.9	<49.9	<49.9	1,890
GA-65 Floor Composite	4'	9/24/2020	Floor	Off-Site	Composite	In-Situ	<0.0020	<0.0020	<49.8	<49.8	<49.8	<49.8	<49.8	3,940
GA-66 Floor Composite	4'	9/24/2020	Floor	Off-Site	Composite	In-Situ	<0.0020	<0.0020	<50.0	<50.0	<50.0	<50.0	<50.0	2,850
GA-67 Floor Composite	4'	9/25/2020	Floor	Off-Site	Composite	In-Situ	<0.0020	<0.0020	<50.0	<50.0	<50.0	<50.0	<50.0	6,590
GA-68 Floor Composite	4'	9/25/2020	Floor	Off-Site	Composite	In-Situ	<0.0020	<0.0020	<49.9	<49.9	<49.9	<49.9	<49.9	4,280
Remediation Walls														
CW-001.0-00.3-P	0.3'	10/5/2023	Wall	Off-Site	Composite	In-Situ	<0.50	<.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
CW-002.0-00.5-P	0.5'	10/5/2023	Wall	Off-Site	Composite	In-Situ	<0.50	<.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
GA-8,9,12,13 N. Wall Composite	2'	7/24/2020	Wall	Off-Site	Composite	In-Situ	<0.0020	<0.0020	<49.9	<49.9	<49.9	<49.9	<49.9	40.4
GA-13 N. Wall Composite	2'	8/26/2020	Wall	Off-Site	Composite	In-Situ	<0.0020	<0.0020	<50.0	<50.0	<50.0	<50.0	<50.0	161
GA-13 S. Wall Composite	2'	10/23/2020	Wall	Off-Site	Composite	In-Situ	<0.0020	<0.0020	<50.0	<50.0	<50.0	<50.0	<50.0	13.9
GA-13 W. Wall Composite	2'	10/23/2020	Wall	Off-Site	Composite	In-Situ	<0.0020	<0.0020	<49.9	<49.9	<49.9	<49.9	<49.9	12.8
GA-15 W. Wall Composite	2'	8/3/2020	Wall	Off-Site	Composite	In-Situ	<0.0020	0.0028	<50.0	<50.0	<50.0	<50.0	<50.0	219
GA-17 NW Wall Composite	2'	8/3/2020	Wall	Off-Site	Composite	In-Situ	<0.0020	<0.0020	<49.9	<49.9	<49.9	<49.9	<49.9	103
GA-18 N. Wall Composite	2'	7/23/2020	Wall	Off-Site	Composite	In-Situ	<0.0020	<0.0020	<50.0	<50.0	<50.0	<50.0	<50.0	142
GA-20 E. Wall Composite	-	8/4/2020	Wall	Off-Site	Composite	Excavated	<0.0020	<0.0020	<50.0	<50.0	<50.0	<50.0	<50.0	7,870
GA-20 E. Wall Composite	2'	10/5/2020	Wall	Off-Site	Composite	In-Situ	0.0060	0.0138	<49.9	<49.9	<49.9	<49.9	<49.9	193
GA-21 E. Wall Composite	2'	8/4/2020	Wall	Off-Site	Composite	In-Situ	<0.0020	<0.0020	<50.0	<50.0	<50.0	<50.0	<50.0	50.9
GA-22 N. Wall Composite	2'	7/23/2020	Wall	Off-Site	Composite	In-Situ	<0.0020	<0.0020	<50.0	<50.0	<50.0	<50.0	<50.0	66.9

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



OXY USA, INC.
VORTEC 22 #1 BATTERY & CEDAR CANYON 23-2 BATTERY
EDDY COUNTY, NEW MEXICO
NMOCD REFERENCE #: NAB1803635240 & NAB1806442185

SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	FLOOR/WALL	OFF-SITE/ON-SITE	SAMPLE TYPE	SOIL STATUS	BENZENE (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	50	NE	NE	1,000	NE	2,500	20,000
GA-44 S.Wall Composite	2'	8/7/2020	Wall	Off-Site	Composite	In-Situ	<0.0020	<0.0020	<49.9	<49.9	<49.9	<49.9	<49.9	49.7
GA-44 W. Wall Composite	2'	8/7/2020	Wall	Off-Site	Composite	In-Situ	<0.0020	<0.0020	<50.0	<50.0	<50.0	<50.0	<50.0	68.9
GA-45 S. Wall Composite	2'	8/11/2020	Wall	Off-Site	Composite	In-Situ	<0.0020	<0.0020	<49.9	<49.9	<49.9	<49.9	<49.9	56.5
GA-46 S. Wall Composite	2'	8/20/2020	Wall	Off-Site	Composite	In-Situ	<0.0020	<0.0020	<50.0	<50.0	<50.0	<50.0	<50.0	53.0
GA-47 S. Wall Composite	2'	8/20/2020	Wall	Off-Site	Composite	In-Situ	<0.0020	<0.0020	<49.9	<49.9	<49.9	<49.9	<49.9	100
GA-48 S. Wall Composite	2'	8/20/2020	Wall	Off-Site	Composite	In-Situ	<0.0020	<0.0020	<49.9	<49.9	<49.9	<49.9	<49.9	64.5
GA-51 E.Wall Composite	2'	9/4/2020	Wall	On-Site	Composite	In-Situ	<0.0020	0.0025	<49.8	<49.8	<49.8	<49.8	<49.8	17,400
GA-52 E. Wall Composite	2'	9/4/2020	Wall	On-Site	Composite	In-Situ	<0.0020	0.0031	<50.0	<50.0	<50.0	<50.0	<50.0	13,500
GA-54 E. Wall Composite	2'	9/4/2020	Wall	On-Site	Composite	In-Situ	<0.0020	<0.0020	<49.8	<49.8	<49.8	<49.8	<49.8	3,780
GA-55 E. Wall Composite	2'	9/4/2020	Wall	On-Site	Composite	In-Situ	<0.0020	<0.0020	<49.9	<49.9	<49.9	<49.9	<49.9	7,520
GA-58 W. Wall Composite	2'	9/21/2020	Wall	Off-Site	Composite	In-Situ	<0.0020	<0.0020	<50.0	<50.0	<50.0	<50.0	<50.0	93.2
GA-60 W. Wall Composite	2'	9/22/2020	Wall	Off-Site	Composite	In-Situ	<0.0020	<0.0020	<49.9	<49.9	<49.9	<49.9	<49.9	125
GA-64 W. Wall Composite	2'	9/24/2020	Wall	Off-Site	Composite	In-Situ	<0.0020	<0.0020	<50.0	<50.0	<50.0	<50.0	<50.0	227
GA-67 S. Wall Composite	2'	9/25/2020	Wall	Off-Site	Composite	In-Situ	<0.0020	<0.0020	<49.9	<49.9	<49.9	<49.9	<49.9	305
GA-67 W. Wall Composite	2'	9/25/2020	Wall	Off-Site	Composite	In-Situ	<0.0020	<0.0020	<49.8	<49.8	<49.8	<49.8	<49.8	264
GA-68 S. Wall Composite	-	9/25/2020	Wall	Off-Site	Composite	Excavated	<0.0020	<0.0020	<49.9	<49.9	<49.9	<49.9	<49.9	696
GA-68 S. Wall Composite	2'	10/5/2020	Wall	Off-Site	Composite	In-Situ	0.0072	0.0168	<49.9	<49.9	<49.9	<49.9	<49.9	64.6



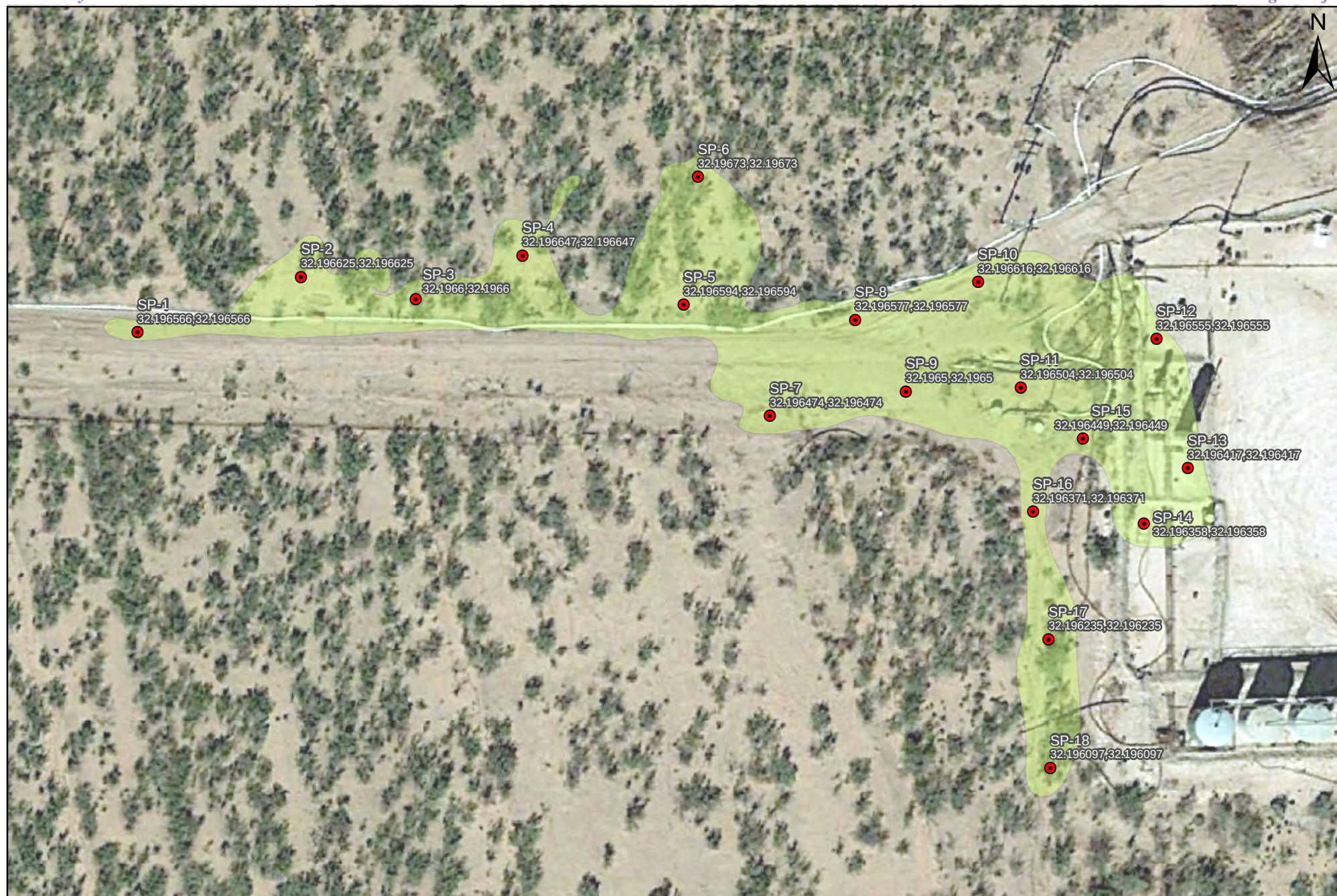
Legend:

 Site Location

Site Location Map
OXY USA, Inc.
Vortec 22 #001 & Cedar Canyon 23-2 Battery
32.1966019, -103.9648743
Eddy County, New Mexico
NMOCD Reference #: NAB1803635240 & NAB1806442185

0 0.16 0.32 0.64 Miles





50 25 0 50

Distance in Feet

Legend



Release



Proposed Sample Location

Proposed Delineation Map
OXY USA, Inc.
Vortec 22 #1 Battery & Cedar Canyon 23-2 Battery
Eddy County, New Mexico
32.1966019, -103.9648743

NMOCD Reference # NAB1803635240 & NAB1806442185



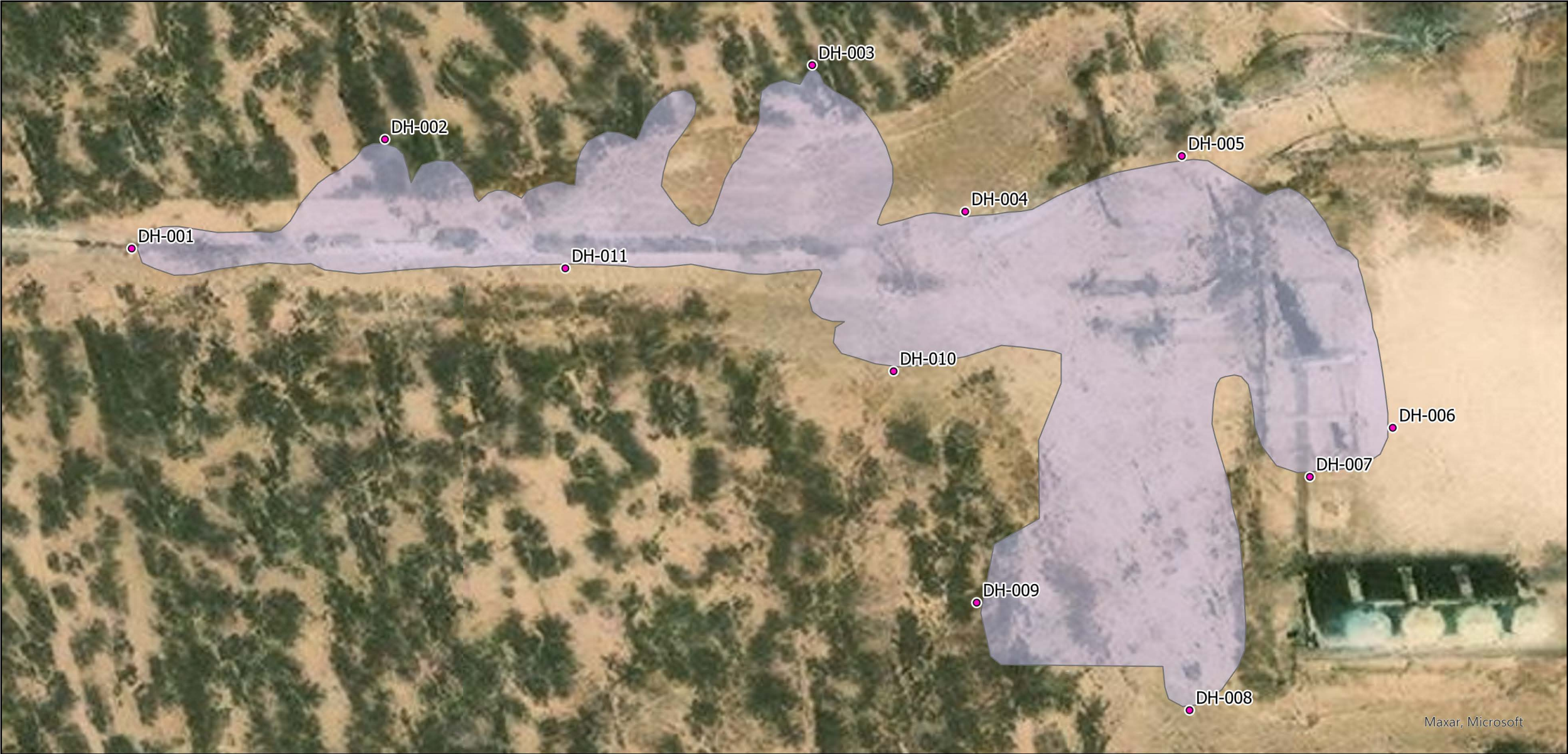
Trinity Oilfield Services & Rentals, LLC
P.O. Box 2587
Hobbs, NM 88241

Drawn By: BJA

Checked By: CTR

March 22, 2019

Scale: 1" = 50'

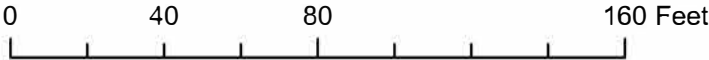


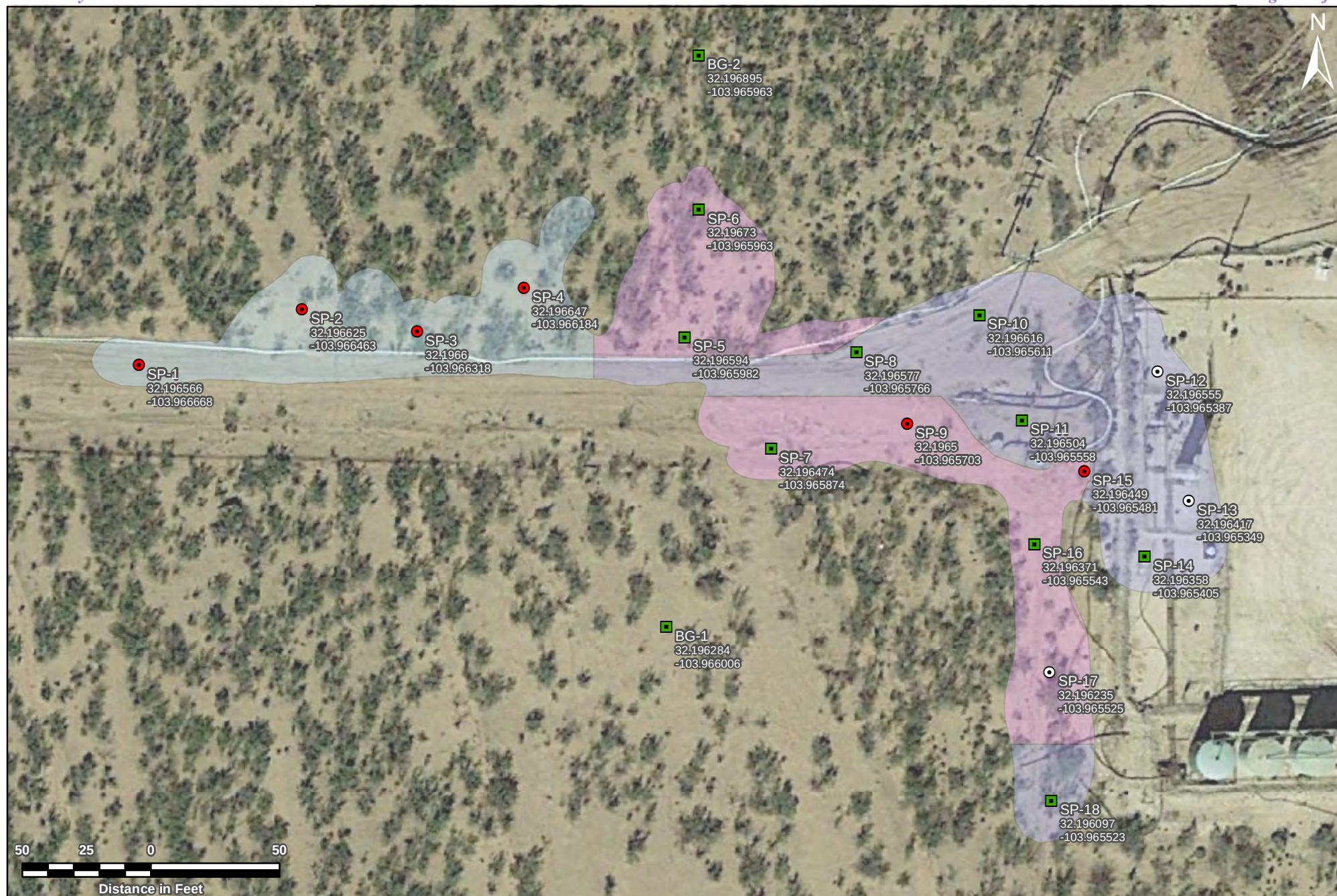
Maxar, Microsoft

Legend:

- Horizontal Delineation
- Release Area

Horizontal Delineation Map
OXY USA, Inc.
Vortec 22 #001 & Cedar Canyon 23-2 Battery
Eddy County, New Mexico
32.1966019, -103.9648743
NMOCD Reference # NAB1803635240 & NAB1806442185



**Legend**

- Auger Hole
- Delineation Trench
- Sample Location

Proposed Excavation Depths

- Scrape (3" - 6" bgs)
- 1' bgs
- 4' bgs

Site Plan
OXY USA, Inc.
Vortec 22 #1 Battery & Cedar Canyon 23-2 Battery
Eddy County, New Mexico
32.1966019 , -103.9648743
NMOCD Reference # NAB1803635240 & NAB1806442185



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

Drawn By: BJA

April 2, 2020

Checked By: JEH

Scale: 1" = 50'



- Remediation Walls
- Remediation Floors
- Excavation Area

0 40 80 160 Feet



Vortec 22 #001 & Cedar Canyon 23-2 Battery
Unit Letter "P" (SE/SE), Section 22, Township 24S, Range 29E



Release (Looking West)



Vortec 22 #001 & Cedar Canyon 23-2 Battery
Unit Letter "P" (SE/SE), Section 22, Township 24S, Range 29E

Release (Looking West-Southwest)



Release (Looking East-Southeast)

Vortec 22 #001 & Cedar Canyon 23-2 Battery
Unit Letter "P" (SE/SE), Section 22, Township 24S, Range 29E



Release (Looking South)



Release (Looking West-Southwest)

Vortec 22 #001 & Cedar Canyon 23-2 Battery
Unit Letter "P" (SE/SE), Section 22, Township 24S, Range 29E



Release (Looking South)



Release (Looking Southwest)

Vortec 22 #001 & Cedar Canyon 23-2 Battery
Unit Letter "P" (SE/SE), Section 22, Township 24S, Range 29E



Release (Looking Southeast)



Release (Looking East)

Vortec 22 #001 & Cedar Canyon 23-2 Battery
Unit Letter "P" (SE/SE), Section 22, Township 24S, Range 29E



Release (Looking East-Northeast)



Release (Looking North)

Vortec 22 #001 & Cedar Canyon 23-2 Battery
Unit Letter "P" (SE/SE), Section 22, Township 24S, Range 29E



Release (Looking North-Northwest)



Release (Looking West-Northwest)

Vortec 22 #001 & Cedar Canyon 23-2 Battery
Unit Letter "P" (SE/SE), Section 22, Township 24S, Range 29E



Release (Looking North)



Release (Looking East-Northeast)

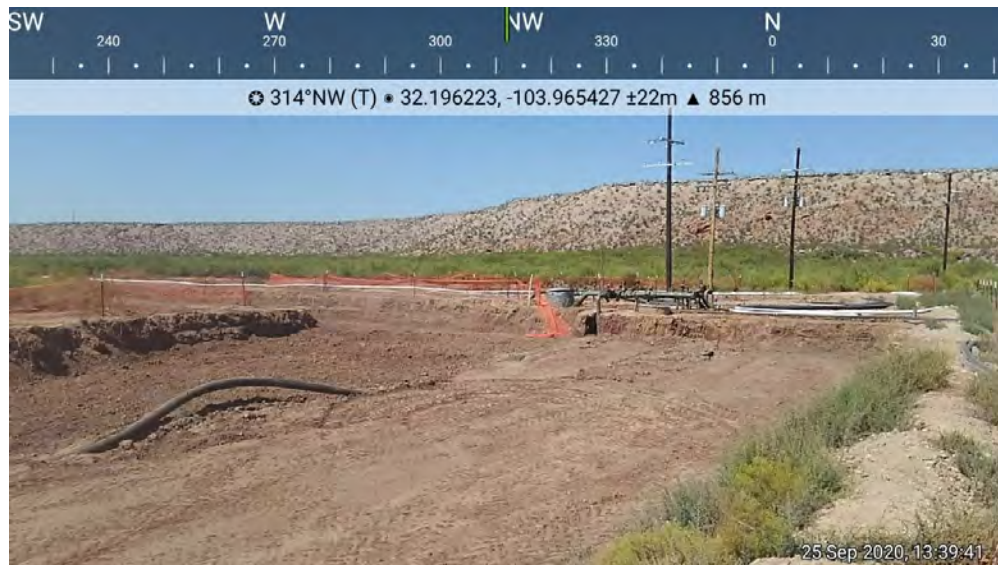


Excavation

Pasture:



Pasture:





Excavation

Pasture:



Pasture:





Excavation

Pasture:



Pad:





Excavation

Pasture:



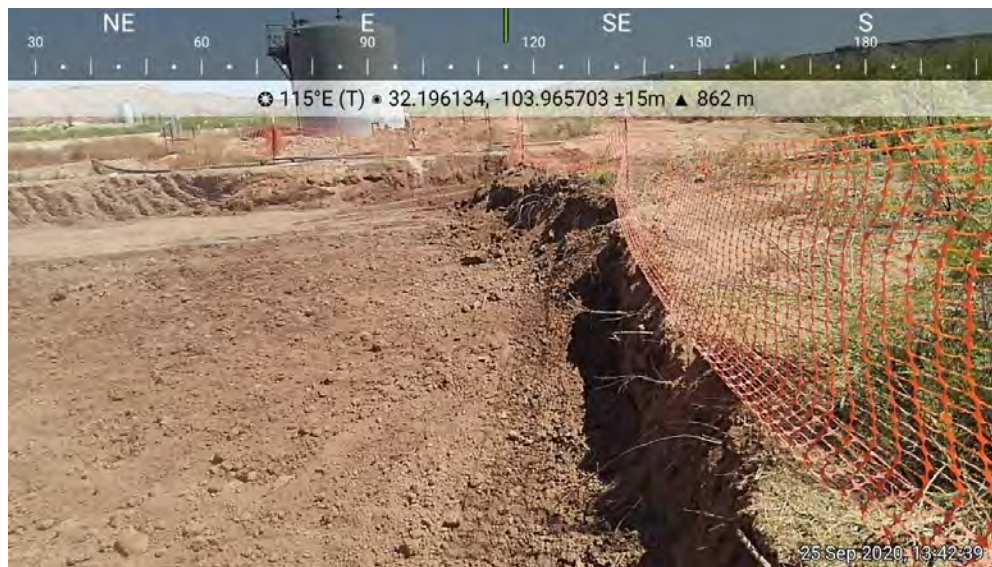
Pasture:





Excavation

Pasture:



Pasture:





Excavation

Pasture:



Pasture:





Excavation

Pasture:



Pasture:



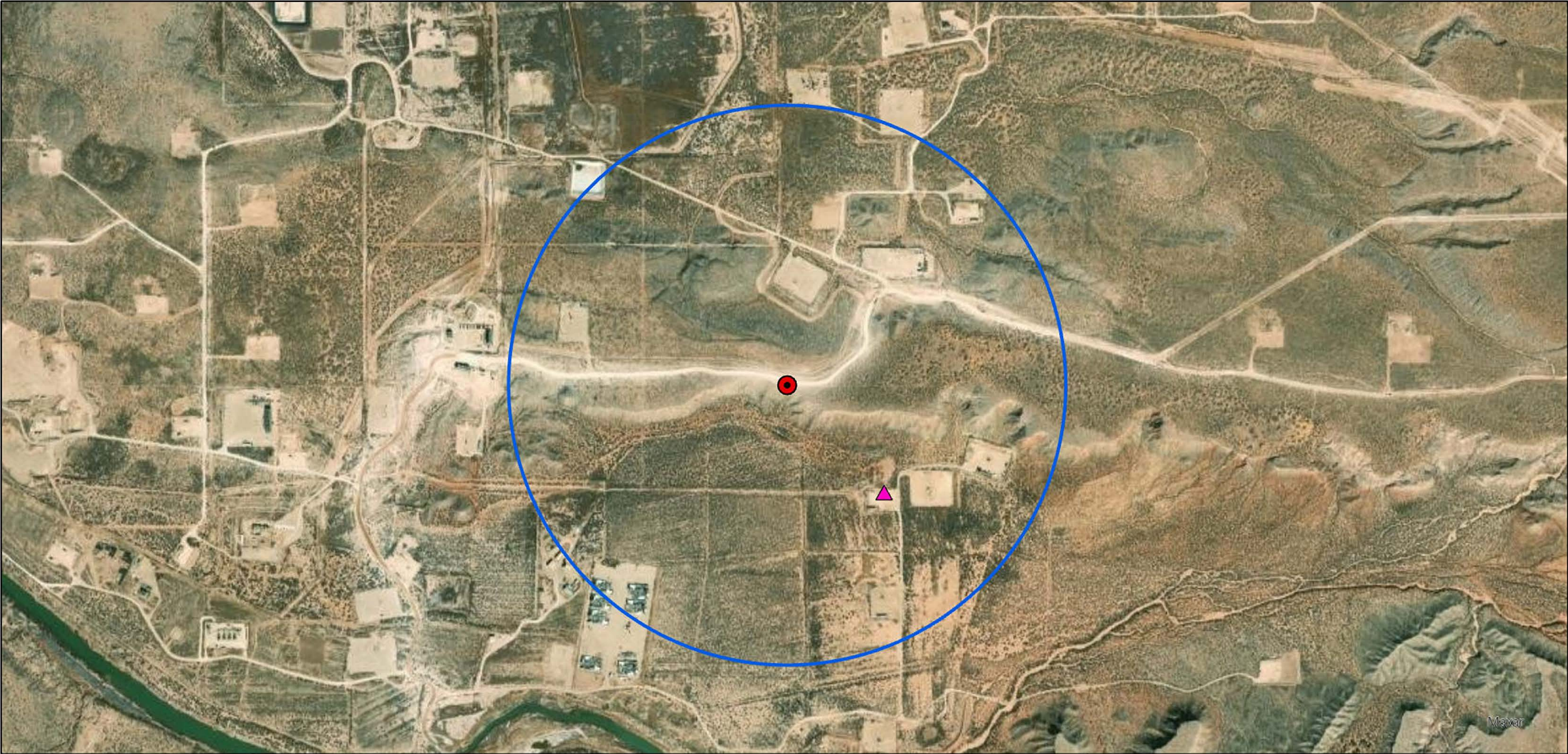


SOIL BORE LOG SB-12

PROJECT NAME Vortec 22 #001		DRILLING DATE 06/20/2023	COORDINATES 32.199372, -103.967847
CLIENT OXY USA, Inc.		TOTAL DEPTH 105'	COORD SYS NAD 83
			ULSTR I--22-24S-29E
			SURFACE ELEVATION 3015'
COMMENTS Spud on the Turnout of McDonald Rd. Bore Hole was observed to be dry after 72 hrs.			LOGGED BY CJ
			CHECKED BY DD
Depth (ft)	Moisture	Material Description	Elevation (ft)
5	D	Very Pale Brown Sandy Loam. Dry	3010
10		Reddish Yellow Sandy Loam. Dry	3005
15			3000
20		Yellowish Red Sandy Loam. Dry.	2995
25			2990
30			2985
35			2980
40			2975
45			2970
50			2965
55			2960
60		Red Sandy Clay Loam. Dry	2955
65		Yellowish Red Sandy Loam. Dry	2950
70			2945
75			2940
80			2935
85			2930
90		Yellowish Red Sandy Clay Loam. Dry	2925
95		Yellowish Red Sandy Loam. Dry	2920
100		Red Sandy Clay Loam. Dry	2915
105		Termination Depth at:105 ft.	2910

Disclaimer This bore log is intended to evidence a depth to groundwater greater than 105'.

Page 1 of 1



Legend:

- ▲ Site Location
- Soil Bore
- 1/2 Mile Buffer

Soil Bore Map
OXY USA, Inc.
Vortec 22 #001 & Cedar Canyon 23-2 Battery
Eddy County, New Mexico
32.1966019, -103.9648743
NMOCD Reference # NAB1803635240 & NAB1806442185



NAB1803635240 | NAB1806442185



10/12/2022, 8:16:19 AM

Live Stream Gauges v1 Pending New Mexico State Trust Lands Conveyances
GIS WATERS PODs OSE District Boundary Subsurface Estate Canal
Active Ditch

1:18,056
0 0.13 0.25 0.5 mi
0 0.2 0.4 0.8 km

Esri, HERE, GeoTechnologies, Inc., Esri, HERE, Garmin, GeoTechnologies, Inc., U.S. Department of Energy Office of Legacy Management, Maxar

Web Generated Map
Map is generated by web users.



U.S. Fish and Wildlife Service

National Wetlands Inventory

NAB1803635240 | NAB1806442185



October 12, 2022

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

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

- Lake
- Other
- Riverine

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

National Flood Hazard Layer FIRMette



103°58'12"W 32°12'3"N



Legend

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

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

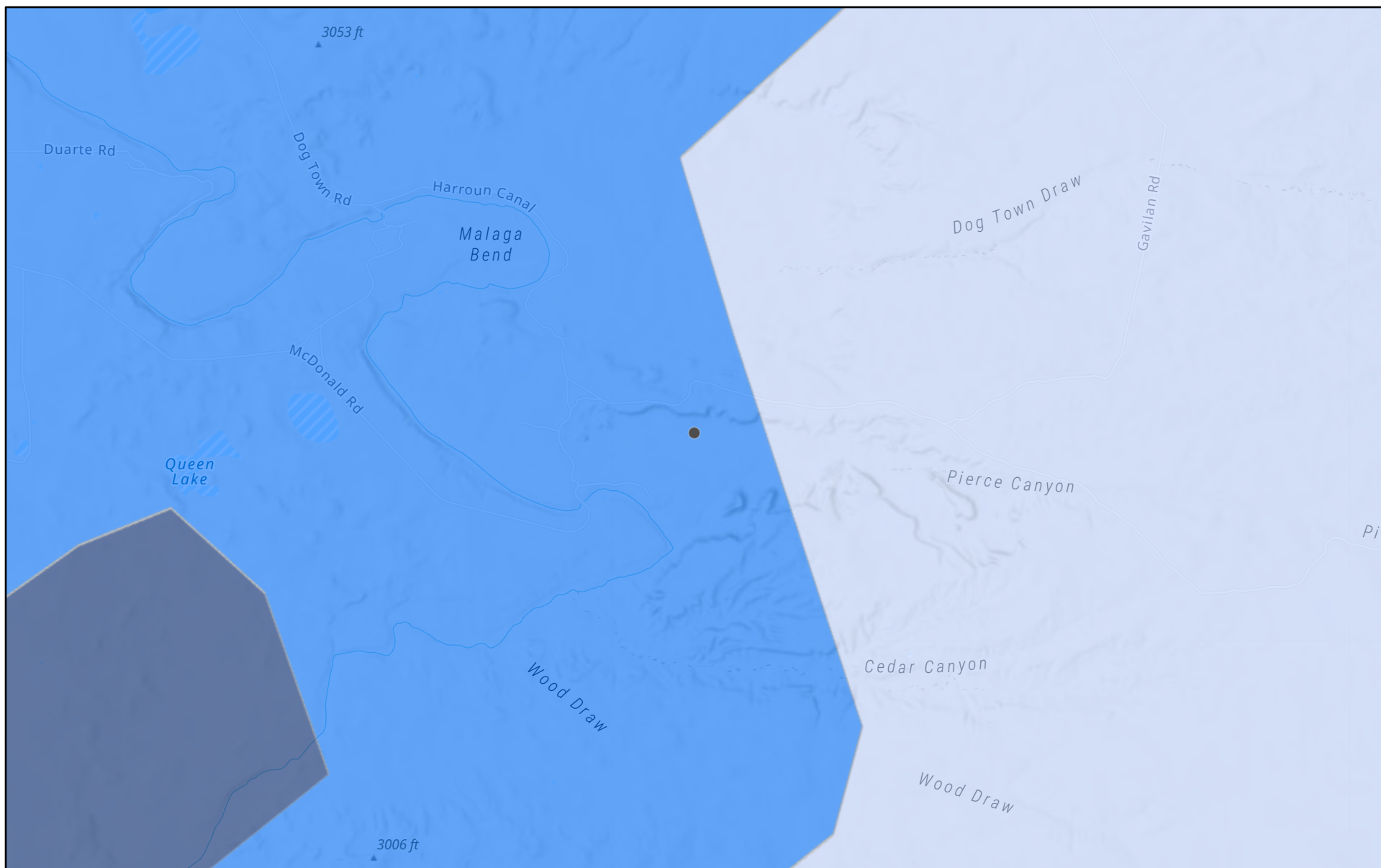
The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 10/12/2022 at 10:22 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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

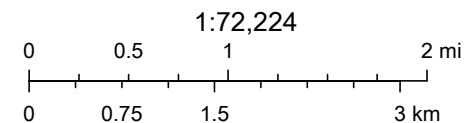
NAB1803635240 | NAB1806442185



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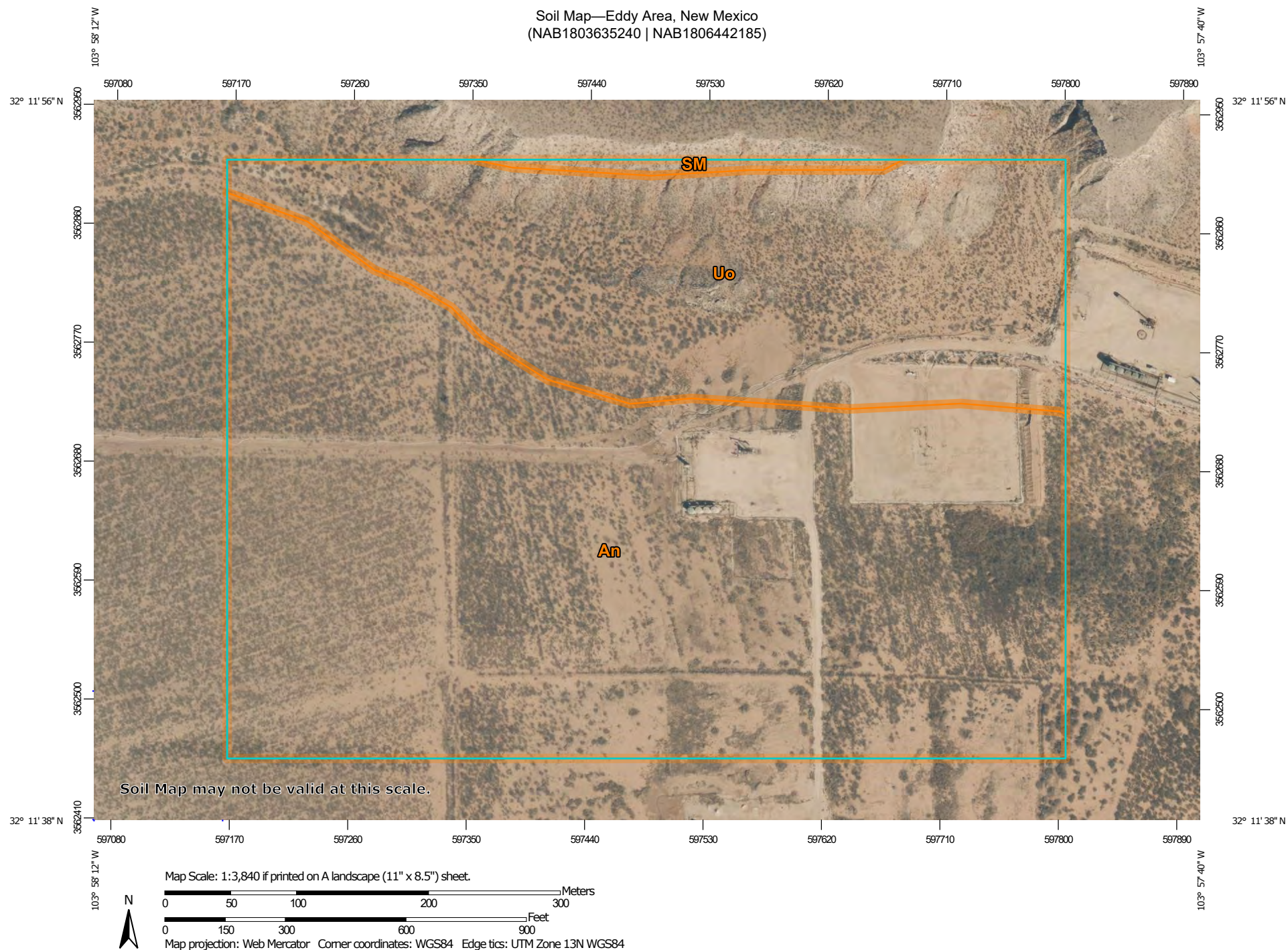
Karst Occurrence Potential

	High		Medium
			Low



BLM, OCD, New Mexico Tech, Esri, NASA, NGA, USGS, FEMA, Texas Parks & Wildlife, CONANP, Esri, HERE, Garmin, SafeGraph,

New Mexico Oil Conservation Division

Soil Map—Eddy Area, New Mexico
(NAB1803635240 | NAB1806442185)Natural Resources
Conservation ServiceWeb Soil Survey
National Cooperative Soil Survey10/12/2022
Page 1 of 3

Soil Map—Eddy Area, New Mexico
(NAB1803635240 | NAB1806442185)

MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

Special Point Features



Blowout



Borrow Pit



Clay Spot



Closed Depression



Gravel Pit



Gravelly Spot



Landfill



Lava Flow



Marsh or swamp



Mine or Quarry



Miscellaneous Water



Perennial Water



Rock Outcrop



Saline Spot



Sandy Spot



Severely Eroded Spot



Sinkhole



Slide or Slip



Sodic Spot



Spoil Area



Stony Spot



Very Stony Spot



Wet Spot



Other



Special Line Features

Water Features



Streams and Canals

Transportation



Rails



Interstate Highways



US Routes



Major Roads



Local Roads

Background



Aerial Photography

MAP INFORMATION

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

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

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

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

Source of Map: Natural Resources Conservation Service

Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

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

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

Soil Survey Area: Eddy Area, New Mexico

Survey Area Data: Version 18, Sep 8, 2022

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

Date(s) aerial images were photographed: Feb 7, 2020—May 12, 2020

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

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
An	Arno silty clay loam, 0 to 1 percent slopes	48.3	67.4%
SM	Simona-Bippus complex, 0 to 5 percent slopes	0.7	0.9%
Uo	Upton gravelly loam, 0 to 9 percent slopes	22.7	31.6%
Totals for Area of Interest		71.6	100.0%



Certificate of Analysis Summary 588901

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: Vortec 22 #1 Battery



Project Id:

Contact: Ben Arguijo

Project Location: Hobbs, NM

Date Received in Lab: Tue Jun-12-18 10:45 am

Report Date: 13-JUN-18

Project Manager: Jessica Kramer

Analysis Requested	Lab Id:	588901-001	588901-002	588901-003	588901-004	588901-005	588901-006
	Field Id:	SP-5 @1'	SP-5 @4'	SP-5 @12'	SP-7 @5'	SP-7 @12'	SP-8 @1'
	Depth:						
	Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Sampled:	May-16-18 11:00	May-16-18 11:35	May-16-18 12:30	May-16-18 10:10	May-16-18 11:50	May-16-18 13:20
Chloride by EPA 300	Extracted:	Jun-12-18 16:30	Jun-12-18 16:30	Jun-12-18 16:30	Jun-12-18 16:30	Jun-12-18 16:30	Jun-12-18 16:30
	Analyzed:	Jun-12-18 19:03	Jun-12-18 19:09	Jun-12-18 19:14	Jun-12-18 19:19	Jun-12-18 19:36	Jun-12-18 19:41
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		18200 249	2360 24.7	1980 25.0	3370 49.1	1360 24.6	7180 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 - San Antonio - Atlanta - Tampa - Boca Raton - Latin America - Odessa - Corpus Christi

Jessica Kramer
Project Assistant



Certificate of Analysis Summary 588901

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: Vortec 22 #1 Battery



Project Id:

Contact: Ben Arguijo

Project Location: Hobbs, NM

Date Received in Lab: Tue Jun-12-18 10:45 am

Report Date: 13-JUN-18

Project Manager: Jessica Kramer

Analysis Requested	Lab Id:	588901-007	588901-008				
	Field Id:	SP-8 @4'	SP-8 @13'				
	Depth:						
	Matrix:	SOIL	SOIL				
	Sampled:	May-16-18 13:30	May-16-18 13:40				
Chloride by EPA 300	Extracted:	Jun-12-18 16:30	Jun-12-18 16:30				
	Analyzed:	Jun-12-18 19:46	Jun-12-18 19:52				
	Units/RL:	mg/kg RL	mg/kg RL				
Chloride		3390 49.7	1260 24.9				

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 - San Antonio - Atlanta - Tampa - Boca Raton - Latin America - Odessa - Corpus Christi

Jessica Kramer
Project Assistant

Analytical Report 588901

for

Trinity Oilfield Services & Rentals, LLC

Project Manager: Ben Arguijo

Vortec 22 #1 Battery

13-JUN-18

Collected By: Client



1211 W. Florida Ave, Midland TX 79701

Xenco-Houston (EPA Lab Code: TX00122):

Texas (T104704215-18-26), Arizona (AZ0765), Florida (E871002-24), Louisiana (03054)
Oklahoma (2017-142)

Xenco-Dallas (EPA Lab Code: TX01468):

Texas (T104704295-17-16), Arizona (AZ0809), Arkansas (17-063-0)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-17-12)

Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-17-16)

Xenco-Odessa (EPA Lab Code: TX00158): Texas (T104704400-18-15)

Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-17-3)

Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)

Xenco-Phoenix Mobile (EPA Lab Code: AZ00901): Arizona (AZM757)

Xenco-Atlanta (LELAP Lab ID #04176)

Xenco-Tampa: Florida (E87429)

Xenco-Lakeland: Florida (E84098)



13-JUN-18

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

Reference: XENCO Report No(s): **588901**
Vortec 22 #1 Battery
Project Address: Hobbs,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 XENCO Report Number(s) 588901. 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. 588901 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 'Jessica Kramer'.

Jessica Kramer

Project Assistant

Recipient of the Prestigious Small Business Administration Award of Excellence in 1994.

Certified and approved by numerous States and Agencies.

A Small Business and Minority Status Company that delivers SERVICE and QUALITY

Houston - Dallas - Midland - San Antonio - Phoenix - Oklahoma - Latin America

**Sample Cross Reference 588901****Trinity Oilfield Services & Rentals, LLC, Hobbs, NM**

Vortec 22 #1 Battery

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
SP-5 @1'	S	05-16-18 11:00		588901-001
SP-5 @4'	S	05-16-18 11:35		588901-002
SP-5 @12'	S	05-16-18 12:30		588901-003
SP-7 @5'	S	05-16-18 10:10		588901-004
SP-7 @12'	S	05-16-18 11:50		588901-005
SP-8 @1'	S	05-16-18 13:20		588901-006
SP-8 @4'	S	05-16-18 13:30		588901-007
SP-8 @13'	S	05-16-18 13:40		588901-008



CASE NARRATIVE

Client Name: *Trinity Oilfield Services & Rentals, LLC*

Project Name: *Vortec 22 #1 Battery*

Project ID:
Work Order Number(s): 588901

Report Date: 13-JUN-18
Date Received: 06/12/2018

Sample receipt non conformances and comments:

6/12/18 24 hr TAT per Ben Arguijo to meet hold times.

Sample receipt non conformances and comments per sample:

None

**Certificate of Analytical Results 588901****Trinity Oilfield Services & Rentals, LLC, Hobbs, NM****Vortec 22 #1 Battery**

Sample Id: **SP-5 @1'**
Lab Sample Id: 588901-001

Matrix: Soil
Date Collected: 05.16.18 11.00

Date Received: 06.12.18 10.45

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: SCM

% Moisture:

Analyst: SCM

Date Prep: 06.12.18 16.30

Basis: Wet Weight

Seq Number: 3053247

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	18200	249	mg/kg	06.12.18 19.03		50

**Certificate of Analytical Results 588901****Trinity Oilfield Services & Rentals, LLC, Hobbs, NM**

Vortec 22 #1 Battery

Sample Id: **SP-5 @4'**

Matrix: Soil

Date Received: 06.12.18 10.45

Lab Sample Id: 588901-002

Date Collected: 05.16.18 11.35

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: SCM

% Moisture:

Analyst: SCM

Date Prep: 06.12.18 16.30

Basis: Wet Weight

Seq Number: 3053247

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	2360	24.7	mg/kg	06.12.18 19.09		5



Certificate of Analytical Results 588901

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: SP-5 @12'

Matrix: Soil

Date Received: 06.12.18 10.45

Lab Sample Id: 588901-003

Date Collected: 05.16.18 12.30

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: SCM

% Moisture:

Analyst: SCM

Date Prep: 06.12.18 16.30

Basis: Wet Weight

Seq Number: 3053247

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	1980	25.0	mg/kg	06.12.18 19.14		5

**Certificate of Analytical Results 588901****Trinity Oilfield Services & Rentals, LLC, Hobbs, NM**

Vortec 22 #1 Battery

Sample Id: **SP-7 @5'**

Matrix: Soil

Date Received: 06.12.18 10.45

Lab Sample Id: 588901-004

Date Collected: 05.16.18 10.10

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: SCM

% Moisture:

Analyst: SCM

Date Prep: 06.12.18 16.30

Basis: Wet Weight

Seq Number: 3053247

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	3370	49.1	mg/kg	06.12.18 19.19		10



Certificate of Analytical Results 588901

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: SP-7 @12'

Matrix: Soil

Date Received: 06.12.18 10.45

Lab Sample Id: 588901-005

Date Collected: 05.16.18 11.50

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: SCM

% Moisture:

Analyst: SCM

Date Prep: 06.12.18 16.30

Basis: Wet Weight

Seq Number: 3053247

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	1360	24.6	mg/kg	06.12.18 19.36		5

**Certificate of Analytical Results 588901****Trinity Oilfield Services & Rentals, LLC, Hobbs, NM**

Vortec 22 #1 Battery

Sample Id: **SP-8 @1'**

Matrix: Soil

Date Received: 06.12.18 10.45

Lab Sample Id: 588901-006

Date Collected: 05.16.18 13.20

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: SCM

% Moisture:

Analyst: SCM

Date Prep: 06.12.18 16.30

Basis: Wet Weight

Seq Number: 3053247

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	7180	49.8	mg/kg	06.12.18 19.41		10



Certificate of Analytical Results 588901

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **SP-8 @4'**

Matrix: Soil

Date Received: 06.12.18 10.45

Lab Sample Id: 588901-007

Date Collected: 05.16.18 13.30

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: SCM

% Moisture:

Analyst: SCM

Date Prep: 06.12.18 16.30

Basis: Wet Weight

Seq Number: 3053247

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	3390	49.7	mg/kg	06.12.18 19.46		10

**Certificate of Analytical Results 588901****Trinity Oilfield Services & Rentals, LLC, Hobbs, NM**

Vortec 22 #1 Battery

Sample Id: **SP-8 @13'**

Matrix: Soil

Date Received: 06.12.18 10.45

Lab Sample Id: 588901-008

Date Collected: 05.16.18 13.40

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: SCM

% Moisture:

Analyst: SCM

Date Prep: 06.12.18 16.30

Basis: Wet Weight

Seq Number: 3053247

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	1260	24.9	mg/kg	06.12.18 19.52		5



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.

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

Vortec 22 #1 Battery

Analytical Method: Chloride by EPA 300

Seq Number: 3053247

MB Sample Id: 7656542-1-BLK

Matrix: Solid

LCS Sample Id: 7656542-1-BKS

Prep Method: E300P

Date Prep: 06.12.18

LCSD Sample Id: 7656542-1-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	254	102	254	102	90-110	0	20	mg/kg	06.12.18 18:36	

Analytical Method: Chloride by EPA 300

Seq Number: 3053247

Parent Sample Id: 588903-001

Matrix: Soil

MS Sample Id: 588903-001 S

Prep Method: E300P

Date Prep: 06.12.18

MSD Sample Id: 588903-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	8.47	246	254	100	254	100	90-110	0	20	mg/kg	06.12.18 18:52	

Analytical Method: Chloride by EPA 300

Seq Number: 3053247

Parent Sample Id: 588903-002

Matrix: Soil

MS Sample Id: 588903-002 S

Prep Method: E300P

Date Prep: 06.12.18

MSD Sample Id: 588903-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	5.27	248	260	103	260	103	90-110	0	20	mg/kg	06.12.18 20:08	

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

Houston: 4143 Greenbriar Dr. Stafford, TX 77477 (281)240-4200 Odessa: 12600 West I-20 East Odessa, TX 79765 (432)563-1800
 70001-c

LAB W.O # :

Field billable Hrs :

58890

* Container Type Codes

VA	Vial Amber	ES	Encore Sampler
VC	Vial Clear	TS	TerraCore Sampler
VP	Vial Pre-preserved	AC	Air Canister
GA	Glass Amber	TB	Tedlar Bag
GC	Glass Clear	ZB	Zip Lock Bag
PA	Plastic Amber	PC	Plastic Clear
PC	Plastic Clear		
Other			

Size(s): 2oz, 4oz, 8oz, 16oz, 32oz, 1Gal
40ml, 125 ml, 250 ml, 500 ml, 1L, Other

** Preservative Type Codes

A. None E. HCL I. Ice
B. HNO_3 F. MeOH J. MCAA
C. H_2SO_4 G. $\text{Na}_2\text{S}_2\text{O}_3$ K. $\text{ZnAc}\&\text{NaOH}$
D. NaOH H. NaHSO_4 L. Asbc Acid&NaOH

^ Matrix Type Codes

GW	Ground Water	S	Soil/Sediment/Solid
WW	Waste Water	W	Wipe
DW	Drinking Water	A	Air
SW	Surface Water	O	Oil
OW	Ocean/Sea Water	T	Tissue
PL	Product-Liquid	U	Urine
PS	Product-Solid	B	Blood
SL	Sludae		

REMARKS

Company: Trinity Oilfield Services & Rentals, LLC		Phone: (575)390-7208	
Address: P.O. Box 2587		Fax:	
City: Hobbs	State: NM	Zip: 88241	

TAT Work Days = D Need results by: _____ Time: _____
Std (5-7D) 5Hrs 1D 2D 3D 4D 5D 7D 10D 14D Other

PM/Attn: Ben J. Arguijo	Email: wade.dittrich@oxy.com & ben@trinityoilfieldservices.com

Project ID:	Vortec 22 #1 Battery	PO#:

Invoice To:	Oxy - Wade Dittrich (575)390-2828	Quote #:

Sampler Name:	Circle One Event: Daily Weekly Monthly
Tristan Payne	Quarterly Semi-Annual Annual N/A

Sample #	Sample ID	Collect Date	Collect Time	Matrix Code ^	Field Filtered	Integrity OK (Y/N)	Total # of containers
__1	SP-5 @ 1'	5/16/18	1100	S			1
__2	SP-5 @ 4'	5/16/18	1135	S			1
__3	SP-5 @ 12'	5/16/18	1230	S			1
__4	SP-7 @ 5'	5/16/18	1010	S			1
__5	SP-7 @ 12'	5/16/18	1150	S			1
__6	SP-8 @ 1'	5/16/18	1320	S			1
__7	SP-8 @ 4'	5/16/18	1330	S			1
__8	SP-8 @ 13'	5/16/18	1340	S			1
__9							
__0							

[illegible](CALL____) Run PAH Only in

Reg. Program / Clean-up Std						STATE for Certs & Regs							QA/QC Level & Certification								EDDs			COC & Labels		Coolers Temp °C		Lab Use Only		YES NO N/A		
CTLs	TRRP	DW	NPDES	LPST	DryCln	FL	TX	GA	NC	SC	NJ	PA	OK	1	2	3	4	CLP	AFCEE	QAPP	ADaPT	SEDD	ERPIMS	Match	Incomplete							
Other:						LA AL NM Other:							NELAC DoD-ELAP Other:								XLS Other:			Absent Unclear		1-092-RB30-0CF		Non-Conformances found?				
	Relinquished by					Affiliation							Date		Time		Received by			Affiliation		Date		Time		Received on Wet Ice?						
1	<i>[Signature]</i>					Trinity							6/7/15		1700		<i>[Signature]</i>			Trinity		6/7/15		1700		Labeled with proper preservatives?						
2	<i>[Signature]</i>					Trinity							6/11/18		1620		<i>[Signature]</i>			Trinity		6/11/18		4:18		Received within holding time?						
3	<i>Battany Cox</i>												6/11/18		4:30		<i>[Signature]</i>			XENCO		6/12/18		10:45		Custody seals intact?						
4																										VOCs rec'd w/o headspace?						
																												Proper containers used?				
																												pH verified-acceptable, excl VOCs?				
																												Received on time to meet HTTs?				

3&A Laboratories: Hobbs 575-392-7550 Dallas 214-902-0300 Houston 281-242-4200 Odessa 432-563-1800 San Antonio 210-509-3334 Phoenix 602-437-0330
FTS Service Centers: Atlanta 770-449-8800 Lakeland 863-646-8526 Tampa 803-543-8099 Philadelphia 610-955-5649 South Carolina 803-543-8099

C.O.C. Serial #

Execution of this document by client creates a legal and binding agreement between client and Xenco for analytical and testing services provided by Xenco to client under Xenco's standard terms and conditions unless previously agreed in writing. Terms of payment are Net 30 days, and all past due amounts shall accrue interest at 1.5% per month until paid in full. All laboratory analytical data and reports generated by Xenco remain the exclusive property of Xenco until invoices for such data are paid in full. Revision Date: Nov 12, 2009

Revision Date: Nov 12, 2009



Client: Trinity Oilfield Services & Rentals, LLC

Date/ Time Received: 06/12/2018 10:45:00 AM

Work Order #: 588901

Acceptable Temperature Range: 0 - 6 degC

Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : R8

Sample Receipt Checklist

Comments

#1 *Temperature of cooler(s)?	- .9
#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)?	No
#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:

Katie Lowe

Date: 06/12/2018

Checklist reviewed by:

Holly Taylor

Date: 06/12/2018



Certificate of Analysis Summary 589611

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: Vortec 22-1 CTB



Project Id:

Contact: Ben Arguijo

Project Location: NM

Date Received in Lab: Tue Jun-19-18 10:15 am

Report Date: 27-JUN-18

Project Manager: Holly Taylor

<i>Analysis Requested</i>	<i>Lab Id:</i>	589611-001	589611-002	589611-003	589611-004	589611-005	589611-006
	<i>Field Id:</i>	SP-1 @6"	SP-2 @6"	SP-3 @6"	SP-4 @6"	SP-5 @6"	SP-6 @6"
	<i>Depth:</i>						
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	Jun-11-18 14:32	Jun-11-18 14:35	Jun-11-18 14:40	Jun-11-18 14:45	Jun-11-18 14:50	Jun-11-18 14:55
BTEX by EPA 8021B	<i>Extracted:</i>	Jun-25-18 11:45	Jun-25-18 11:45	Jun-25-18 11:45	Jun-25-18 11:45	Jun-25-18 11:45	Jun-25-18 11:45
	<i>Analyzed:</i>	Jun-25-18 16:36	Jun-25-18 16:55	Jun-25-18 17:14	Jun-25-18 17:32	Jun-25-18 17:51	Jun-25-18 18:09
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Benzene		<0.00202 0.00202	<0.00200 0.00200	<0.00201 0.00201	<0.00199 0.00199	<0.00200 0.00200	<0.00202 0.00202
Toluene		<0.00202 0.00202	<0.00200 0.00200	<0.00201 0.00201	<0.00199 0.00199	<0.00200 0.00200	<0.00202 0.00202
Ethylbenzene		<0.00202 0.00202	<0.00200 0.00200	<0.00201 0.00201	<0.00199 0.00199	<0.00200 0.00200	<0.00202 0.00202
m,p-Xylenes		<0.00403 0.00403	<0.00401 0.00401	<0.00402 0.00402	<0.00398 0.00398	<0.00399 0.00399	<0.00404 0.00404
o-Xylene		<0.00202 0.00202	<0.00200 0.00200	<0.00201 0.00201	<0.00199 0.00199	<0.00200 0.00200	<0.00202 0.00202
Total Xylenes		<0.00202 0.00202	<0.00200 0.00200	<0.00201 0.00201	<0.00199 0.00199	<0.00200 0.00200	<0.00202 0.00202
Total BTEX		<0.00202 0.00202	<0.00200 0.00200	<0.00201 0.00201	<0.00199 0.00199	<0.00200 0.00200	<0.00202 0.00202
Chloride by EPA 300	<i>Extracted:</i>	Jun-22-18 08:30	Jun-22-18 08:30	Jun-22-18 08:30	Jun-22-18 08:30	Jun-22-18 08:30	Jun-22-18 08:30
	<i>Analyzed:</i>	Jun-22-18 10:47	Jun-22-18 11:04	Jun-22-18 11:09	Jun-22-18 11:25	Jun-22-18 11:31	Jun-22-18 11:36
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		810 25.0	109 5.00	73.9 4.95	23.3 4.98	24400 250	23700 250
TPH By SW8015 Mod	<i>Extracted:</i>	Jun-20-18 16:00	Jun-20-18 16:00	Jun-20-18 16:00	Jun-20-18 16:00	Jun-20-18 16:00	Jun-20-18 16:00
	<i>Analyzed:</i>	Jun-20-18 19:10	Jun-20-18 20:10	Jun-20-18 20:31	Jun-20-18 20:51	Jun-20-18 21:12	Jun-20-18 21:32
	<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)		<15.0 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0	<14.9 14.9	<15.0 15.0
Diesel Range Organics (DRO)		<15.0 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0	<14.9 14.9	24.9 15.0
Oil Range Hydrocarbons (ORO)		<15.0 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0	<14.9 14.9	<15.0 15.0
Total TPH		<15.0 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0	<14.9 14.9	24.9 15.0

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 - San Antonio - Atlanta - Tampa - Boca Raton - Latin America - Odessa - Corpus Christi

Holly Taylor
Project Manager



Certificate of Analysis Summary 589611

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: Vortec 22-1 CTB



Project Id:

Contact: Ben Arguijo

Project Location: NM

Date Received in Lab: Tue Jun-19-18 10:15 am

Report Date: 27-JUN-18

Project Manager: Holly Taylor

<i>Analysis Requested</i>	<i>Lab Id:</i>	589611-007	589611-008	589611-009	589611-010	589611-011	589611-012
	<i>Field Id:</i>	SP-7 @6"	SP-8 @6"	SP-9 @6"	SP-10 @5'	SP-10 @11'	SP-11 @6"
	<i>Depth:</i>						
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	Jun-11-18 15:00	Jun-11-18 15:05	Jun-12-18 14:00	Jun-11-18 11:00	Jun-11-18 11:40	Jun-12-18 14:05
BTEX by EPA 8021B	<i>Extracted:</i>	Jun-25-18 11:45	Jun-25-18 11:45	Jun-25-18 11:45	Jun-25-18 11:45	Jun-25-18 11:45	Jun-25-18 11:45
	<i>Analyzed:</i>	Jun-25-18 18:26	Jun-25-18 18:44	Jun-25-18 19:03	Jun-25-18 19:22	Jun-25-18 20:15	Jun-25-18 20:34
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Benzene		<0.00201 0.00201	<0.00198 0.00198	<0.00200 0.00200	<0.00200 0.00200	<0.00202 0.00202	<0.00201 0.00201
Toluene		<0.00201 0.00201	<0.00198 0.00198	<0.00200 0.00200	<0.00200 0.00200	<0.00202 0.00202	<0.00201 0.00201
Ethylbenzene		<0.00201 0.00201	<0.00198 0.00198	<0.00200 0.00200	<0.00200 0.00200	<0.00202 0.00202	<0.00201 0.00201
m,p-Xylenes		<0.00402 0.00402	<0.00397 0.00397	<0.00399 0.00399	<0.00400 0.00400	<0.00404 0.00404	<0.00402 0.00402
o-Xylene		<0.00201 0.00201	<0.00198 0.00198	<0.00200 0.00200	<0.00200 0.00200	<0.00202 0.00202	<0.00201 0.00201
Total Xylenes		<0.00201 0.00201	<0.00198 0.00198	<0.00200 0.00200	<0.00200 0.00200	<0.00202 0.00202	<0.00201 0.00201
Total BTEX		<0.00201 0.00201	<0.00198 0.00198	<0.00200 0.00200	<0.00200 0.00200	<0.00202 0.00202	<0.00201 0.00201
Chloride by EPA 300	<i>Extracted:</i>	Jun-22-18 08:30	Jun-22-18 08:30	Jun-22-18 08:30	Jun-22-18 08:30	Jun-22-18 11:00	Jun-22-18 11:00
	<i>Analyzed:</i>	Jun-22-18 11:41	Jun-22-18 11:47	Jun-22-18 11:52	Jun-22-18 11:58	Jun-22-18 13:29	Jun-22-18 13:35
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		20100 249	43.8 4.99	16200 248	2360 25.0	2060 24.9	27900 250
TPH By SW8015 Mod	<i>Extracted:</i>	Jun-20-18 16:00	Jun-20-18 16:00	Jun-20-18 16:00	Jun-20-18 16:00	Jun-20-18 16:00	Jun-20-18 16:00
	<i>Analyzed:</i>	Jun-20-18 21:53	Jun-20-18 22:13	Jun-20-18 22:34	Jun-20-18 22:55	Jun-20-18 23:57	Jun-21-18 00:18
	<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)		<15.0 15.0	<15.0 15.0	<15.0 15.0	<14.9 14.9	<15.0 15.0	<15.0 15.0
Diesel Range Organics (DRO)		<15.0 15.0	<15.0 15.0	<15.0 15.0	43.4 14.9	<15.0 15.0	<15.0 15.0
Oil Range Hydrocarbons (ORO)		<15.0 15.0	<15.0 15.0	<15.0 15.0	<14.9 14.9	<15.0 15.0	<15.0 15.0
Total TPH		<15.0 15.0	<15.0 15.0	<15.0 15.0	43.4 14.9	<15.0 15.0	<15.0 15.0

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Holly Taylor
Project Manager



Certificate of Analysis Summary 589611

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: Vortec 22-1 CTB



Project Id:

Contact: Ben Arguijo

Project Location: NM

Date Received in Lab: Tue Jun-19-18 10:15 am

Report Date: 27-JUN-18

Project Manager: Holly Taylor

Analysis Requested	Lab Id:	589611-013	589611-014	589611-015	589611-016	589611-017	589611-018
	Field Id:	SP-12 @3'	SP-12 @9'	SP-12 @13'	SP-13 @3'	SP-13 @9'	SP-13 @13'
	Depth:						
	Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Sampled:	Jun-08-18 11:10	Jun-08-18 11:35	Jun-08-18 11:55	Jun-08-18 12:20	Jun-08-18 12:40	Jun-08-18 12:50
BTEX by EPA 8021B	Extracted:	Jun-25-18 11:45	Jun-25-18 11:45	Jun-25-18 11:45	Jun-25-18 11:45	Jun-25-18 11:45	Jun-25-18 11:45
	Analyzed:	Jun-25-18 20:52	Jun-25-18 21:09	Jun-25-18 21:27	Jun-25-18 21:46	Jun-25-18 22:04	Jun-25-18 22:22
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Benzene		<0.00199 0.00199	<0.00200 0.00200	<0.00200 0.00200	<0.00199 0.00199	<0.00200 0.00200	<0.00198 0.00198
Toluene		<0.00199 0.00199	<0.00200 0.00200	<0.00200 0.00200	<0.00199 0.00199	<0.00200 0.00200	<0.00198 0.00198
Ethylbenzene		<0.00199 0.00199	<0.00200 0.00200	<0.00200 0.00200	<0.00199 0.00199	<0.00200 0.00200	<0.00198 0.00198
m,p-Xylenes		<0.00398 0.00398	<0.00399 0.00399	<0.00401 0.00401	<0.00398 0.00398	<0.00399 0.00399	<0.00397 0.00397
o-Xylene		<0.00199 0.00199	<0.00200 0.00200	<0.00200 0.00200	<0.00199 0.00199	<0.00200 0.00200	<0.00198 0.00198
Total Xylenes		<0.00199 0.00199	<0.00200 0.00200	<0.00200 0.00200	<0.00199 0.00199	<0.00200 0.00200	<0.00198 0.00198
Total BTEX		<0.00199 0.00199	<0.00200 0.00200	<0.00200 0.00200	<0.00199 0.00199	<0.00200 0.00200	<0.00198 0.00198
Chloride by EPA 300	Extracted:	Jun-22-18 11:00	Jun-22-18 11:00	Jun-22-18 11:00	Jun-22-18 11:00	Jun-22-18 11:00	Jun-22-18 11:00
	Analyzed:	Jun-22-18 13:40	Jun-22-18 13:56	Jun-22-18 14:02	Jun-22-18 14:07	Jun-22-18 14:12	Jun-22-18 14:18
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		4070 49.6	1390 25.0	1640 25.0	1050 25.0	1660 25.0	2230 25.0
TPH By SW8015 Mod	Extracted:	Jun-20-18 16:00	Jun-20-18 16:00	Jun-20-18 16:00	Jun-20-18 16:00	Jun-20-18 16:00	Jun-20-18 16:00
	Analyzed:	Jun-21-18 00:38	Jun-21-18 00:59	Jun-21-18 01:20	Jun-21-18 01:40	Jun-21-18 02:01	Jun-21-18 02:21
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Gasoline Range Hydrocarbons (GRO)		<15.0 15.0	<14.9 14.9	<15.0 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0
Diesel Range Organics (DRO)		<15.0 15.0	<14.9 14.9	<15.0 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0
Oil Range Hydrocarbons (ORO)		<15.0 15.0	<14.9 14.9	<15.0 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0
Total TPH		<15.0 15.0	<14.9 14.9	<15.0 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0

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Holly Taylor
Project Manager



Certificate of Analysis Summary 589611

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: Vortec 22-1 CTB



Project Id:

Contact: Ben Arguijo

Project Location: NM

Date Received in Lab: Tue Jun-19-18 10:15 am

Report Date: 27-JUN-18

Project Manager: Holly Taylor

Analysis Requested	Lab Id:	589611-019	589611-020	589611-021	589611-022	589611-023	589611-024
	Field Id:	SP-14 @6"	SP-15 @6"	SP-16 @1'	SP-16 @5'	SP-16 @11'	SP-17 @3'
	Depth:						
	Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Sampled:	Jun-12-18 14:10	Jun-12-18 14:20	Jun-11-18 13:00	Jun-11-18 13:30	Jun-11-18 14:15	Jun-07-18 13:20
BTEX by EPA 8021B	Extracted:	Jun-25-18 11:45	Jun-25-18 11:45	Jun-25-18 14:30	Jun-25-18 14:30	Jun-25-18 14:30	Jun-25-18 14:30
	Analyzed:	Jun-25-18 22:41	Jun-25-18 22:59	Jun-26-18 01:41	Jun-26-18 01:59	Jun-26-18 02:18	Jun-26-18 07:30
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Benzene		<0.00202 0.00202	<0.00201 0.00201	<0.00198 0.00198	<0.00200 0.00200	<0.00200 0.00200	<0.00201 0.00201
Toluene		<0.00202 0.00202	<0.00201 0.00201	<0.00198 0.00198	<0.00200 0.00200	<0.00200 0.00200	<0.00201 0.00201
Ethylbenzene		<0.00202 0.00202	<0.00201 0.00201	<0.00198 0.00198	<0.00200 0.00200	<0.00200 0.00200	<0.00201 0.00201
m,p-Xylenes		<0.00403 0.00403	<0.00402 0.00402	<0.00397 0.00397	<0.00399 0.00399	<0.00401 0.00401	<0.00402 0.00402
o-Xylene		<0.00202 0.00202	<0.00201 0.00201	<0.00198 0.00198	<0.00200 0.00200	<0.00200 0.00200	<0.00201 0.00201
Total Xylenes		<0.00202 0.00202	<0.00201 0.00201	<0.00198 0.00198	<0.00200 0.00200	<0.00200 0.00200	<0.00201 0.00201
Total BTEX		<0.00202 0.00202	<0.00201 0.00201	<0.00198 0.00198	<0.00200 0.00200	<0.00200 0.00200	<0.00201 0.00201
Chloride by EPA 300	Extracted:	Jun-22-18 11:00	Jun-22-18 11:00	Jun-22-18 11:00	Jun-22-18 11:00	Jun-22-18 11:00	Jun-22-18 11:00
	Analyzed:	Jun-22-18 14:39	Jun-22-18 14:45	Jun-22-18 15:01	Jun-22-18 15:06	Jun-22-18 15:12	Jun-22-18 15:17
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		21900 250	7960 49.8	3260 50.0	3930 49.9	2840 24.9	1550 24.8
TPH By SW8015 Mod	Extracted:	Jun-20-18 16:00	Jun-20-18 16:00	Jun-21-18 07:00	Jun-21-18 07:00	Jun-21-18 07:00	Jun-20-18 07:00
	Analyzed:	Jun-21-18 02:42	Jun-21-18 03:03	Jun-21-18 12:38	Jun-21-18 12:59	Jun-21-18 13:20	Jun-20-18 16:07
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Gasoline Range Hydrocarbons (GRO)		<15.0 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0
Diesel Range Organics (DRO)		637 15.0	207 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0
Oil Range Hydrocarbons (ORO)		<15.0 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0
Total TPH		637 15.0	207 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0

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Holly Taylor
Project Manager



Certificate of Analysis Summary 589611

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: Vortec 22-1 CTB



Project Id:

Contact: Ben Arguijo

Project Location: NM

Date Received in Lab: Tue Jun-19-18 10:15 am

Report Date: 27-JUN-18

Project Manager: Holly Taylor

Analysis Requested	Lab Id:	589611-025	589611-026	589611-027	589611-028		
	Field Id:	SP-17 @9'	SP-17 @11'	SP-18 @1'	BG @ 9'		
	Depth:						
	Matrix:	SOIL	SOIL	SOIL	SOIL		
	Sampled:	Jun-07-18 14:15	Jun-07-18 14:30	Jun-11-18 14:30	Jun-11-18 12:00		
BTEX by EPA 8021B	Extracted:	Jun-25-18 14:30	Jun-25-18 14:30	Jun-25-18 14:30	Jun-25-18 14:30		
	Analyzed:	Jun-26-18 07:48	Jun-26-18 08:06	Jun-26-18 08:24	Jun-26-18 08:42		
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL		
Benzene		<0.00201 0.00201	<0.00202 0.00202	<0.00199 0.00199	<0.00200 0.00200		
Toluene		<0.00201 0.00201	<0.00202 0.00202	<0.00199 0.00199	<0.00200 0.00200		
Ethylbenzene		<0.00201 0.00201	<0.00202 0.00202	<0.00199 0.00199	<0.00200 0.00200		
m,p-Xylenes		<0.00402 0.00402	<0.00404 0.00404	<0.00398 0.00398	<0.00400 0.00400		
o-Xylene		<0.00201 0.00201	<0.00202 0.00202	<0.00199 0.00199	<0.00200 0.00200		
Total Xylenes		<0.00201 0.00201	<0.00202 0.00202	<0.00199 0.00199	<0.00200 0.00200		
Total BTEX		<0.00201 0.00201	<0.00202 0.00202	<0.00199 0.00199	<0.00200 0.00200		
Chloride by EPA 300	Extracted:	Jun-22-18 11:00	Jun-22-18 11:00	Jun-22-18 11:00	Jun-22-18 15:15		
	Analyzed:	Jun-22-18 15:29	Jun-22-18 15:35	Jun-22-18 15:40	Jun-22-18 16:28		
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL		
Chloride		1970 25.0	2090 25.0	583 25.0	2520 25.0		
TPH By SW8015 Mod	Extracted:	Jun-20-18 07:00	Jun-20-18 07:00	Jun-20-18 07:00	Jun-20-18 07:00		
	Analyzed:	Jun-20-18 16:27	Jun-20-18 16:47	Jun-20-18 17:08	Jun-20-18 17:28		
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL		
Gasoline Range Hydrocarbons (GRO)		<15.0 15.0	<15.0 15.0	<15.0 15.0	<14.9 14.9		
Diesel Range Organics (DRO)		<15.0 15.0	<15.0 15.0	<15.0 15.0	<14.9 14.9		
Oil Range Hydrocarbons (ORO)		<15.0 15.0	<15.0 15.0	<15.0 15.0	<14.9 14.9		
Total TPH		<15.0 15.0	<15.0 15.0	<15.0 15.0	<14.9 14.9		

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Holly Taylor
Project Manager

Analytical Report 589611

for

Trinity Oilfield Services & Rentals, LLC

Project Manager: Ben Arguijo

Vortec 22-1 CTB

27-JUN-18

Collected By: Client



1211 W. Florida Ave, Midland TX 79701

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-18-26), Arizona (AZ0765), Florida (E871002-24), Louisiana (03054)
Oklahoma (2017-142)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-17-16), Arizona (AZ0809), Arkansas (17-063-0)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-17-12)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-17-16)
Xenco-Odessa (EPA Lab Code: TX00158): Texas (T104704400-18-15)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-17-3)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)
Xenco-Phoenix Mobile (EPA Lab Code: AZ00901): Arizona (AZM757)
Xenco-Atlanta (LELAP Lab ID #04176)
Xenco-Tampa: Florida (E87429)
Xenco-Lakeland: Florida (E84098)



27-JUN-18

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

Reference: XENCO Report No(s): **589611**
Vortec 22-1 CTB
Project Address: 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 XENCO Report Number(s) 589611. 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. 589611 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'.

Holly Taylor
Project Manager

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Sample Cross Reference 589611

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22-1 CTB

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
SP-1 @6"	S	06-11-18 14:32		589611-001
SP-2 @6"	S	06-11-18 14:35		589611-002
SP-3 @6"	S	06-11-18 14:40		589611-003
SP-4 @6"	S	06-11-18 14:45		589611-004
SP-5 @6"	S	06-11-18 14:50		589611-005
SP-6 @6"	S	06-11-18 14:55		589611-006
SP-7 @6"	S	06-11-18 15:00		589611-007
SP-8 @6"	S	06-11-18 15:05		589611-008
SP-9 @6"	S	06-12-18 14:00		589611-009
SP-10 @5'	S	06-11-18 11:00		589611-010
SP-10 @11'	S	06-11-18 11:40		589611-011
SP-11 @6"	S	06-12-18 14:05		589611-012
SP-12 @3'	S	06-08-18 11:10		589611-013
SP-12 @9'	S	06-08-18 11:35		589611-014
SP-12 @13'	S	06-08-18 11:55		589611-015
SP-13 @3'	S	06-08-18 12:20		589611-016
SP-13 @9'	S	06-08-18 12:40		589611-017
SP-13 @13'	S	06-08-18 12:50		589611-018
SP-14 @6"	S	06-12-18 14:10		589611-019
SP-15 @6"	S	06-12-18 14:20		589611-020
SP-16 @1'	S	06-11-18 13:00		589611-021
SP-16 @5'	S	06-11-18 13:30		589611-022
SP-16 @11'	S	06-11-18 14:15		589611-023
SP-17 @3'	S	06-07-18 13:20		589611-024
SP-17 @9'	S	06-07-18 14:15		589611-025
SP-17 @11'	S	06-07-18 14:30		589611-026
SP-18 @1'	S	06-11-18 14:30		589611-027
BG @ 9'	S	06-11-18 12:00		589611-028

**CASE NARRATIVE****Client Name: Trinity Oilfield Services & Rentals, LLC****Project Name: Vortec 22-1 CTB**Project ID:
Work Order Number(s): 589611Report Date: 27-JUN-18
Date Received: 06/19/2018**Sample receipt non conformances and comments:**

None

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3054464 Chloride by EPA 300

Lab Sample ID 589611-001 was randomly selected for Matrix Spike/Matrix Spike Duplicate (MS/MSD). Chloride recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate. Outlier/s are due to possible matrix interference. Samples in the analytical batch are: 589611-001, -002, -003, -004, -005, -006, -007, -008, -009, -010.

The Laboratory Control Sample for Chloride is within laboratory Control Limits, therefore the data was accepted.

Batch: LBA-3054576 BTEX by EPA 8021B

Soil samples were not received in Terracore kits and therefore were prepared by method 5030.

Benzene, 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: 589611-001, -002, -003, -004, -005, -006, -007, -008, -009, -010, -011, -012, -013, -014, -015, -016, -017, -018, -019, -020

Lab Sample ID 589611-001 was randomly selected for Matrix Spike/Matrix Spike Duplicate (MS/MSD). Ethylbenzene, m,p-Xylenes, o-Xylene recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate. Benzene, Toluene recovered below QC limits in the Matrix Spike Duplicate. Outlier/s are due to possible matrix interference. Samples in the analytical batch are: 589611-001, -002, -003, -004, -005, -006, -007, -008, -009, -010, -011, -012, -013, -014, -015, -016, -017, -018, -019, -020.

The Laboratory Control Sample for Toluene, Benzene, m,p-Xylenes, Ethylbenzene, o-Xylene is within laboratory Control Limits, therefore the data was accepted.

Batch: LBA-3054624 BTEX by EPA 8021B

Soil samples were not received in Terracore kits and therefore were prepared by method 5030.



Certificate of Analytical Results 589611

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22-1 CTB

Sample Id: **SP-1 @6"**

Matrix: Soil

Date Received: 06.19.18 10.15

Lab Sample Id: 589611-001

Date Collected: 06.11.18 14.32

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: SCM

% Moisture:

Analyst: SCM

Date Prep: 06.22.18 08.30

Basis: Wet Weight

Seq Number: 3054464

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	810	25.0	mg/kg	06.22.18 10.47		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 06.20.18 16.00

Basis: Wet Weight

Seq Number: 3054420

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	06.20.18 19.10	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	06.20.18 19.10	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	06.20.18 19.10	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	06.20.18 19.10	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	79	%	70-135	06.20.18 19.10		
o-Terphenyl	84-15-1	78	%	70-135	06.20.18 19.10		



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22-1 CTB

Sample Id: **SP-1 @6"**

Matrix: Soil

Date Received: 06.19.18 10.15

Lab Sample Id: 589611-001

Date Collected: 06.11.18 14.32

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 06.25.18 11.45

Basis: Wet Weight

Seq Number: 3054576

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	06.25.18 16.36	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	06.25.18 16.36	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	06.25.18 16.36	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	06.25.18 16.36	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	06.25.18 16.36	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	06.25.18 16.36	U	1
Total BTEX		<0.00202	0.00202	mg/kg	06.25.18 16.36	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	89	%	70-130	06.25.18 16.36		
4-Bromofluorobenzene	460-00-4	83	%	70-130	06.25.18 16.36		



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22-1 CTB

Sample Id: **SP-2 @6"**

Matrix: Soil

Date Received: 06.19.18 10.15

Lab Sample Id: 589611-002

Date Collected: 06.11.18 14.35

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: SCM

% Moisture:

Analyst: SCM

Date Prep: 06.22.18 08.30

Basis: Wet Weight

Seq Number: 3054464

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	109	5.00	mg/kg	06.22.18 11.04		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 06.20.18 16.00

Basis: Wet Weight

Seq Number: 3054420

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	06.20.18 20.10	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	06.20.18 20.10	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	06.20.18 20.10	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	06.20.18 20.10	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	88	%	70-135	06.20.18 20.10	
o-Terphenyl	84-15-1	90	%	70-135	06.20.18 20.10	



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22-1 CTB

Sample Id: **SP-2 @6"**

Matrix: Soil

Date Received: 06.19.18 10.15

Lab Sample Id: 589611-002

Date Collected: 06.11.18 14.35

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 06.25.18 11.45

Basis: Wet Weight

Seq Number: 3054576

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	06.25.18 16.55	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	06.25.18 16.55	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	06.25.18 16.55	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	06.25.18 16.55	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	06.25.18 16.55	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	06.25.18 16.55	U	1
Total BTEX		<0.00200	0.00200	mg/kg	06.25.18 16.55	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	110	%	70-130	06.25.18 16.55		
4-Bromofluorobenzene	460-00-4	100	%	70-130	06.25.18 16.55		



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22-1 CTB

Sample Id: **SP-3 @6"**

Matrix: Soil

Date Received: 06.19.18 10.15

Lab Sample Id: 589611-003

Date Collected: 06.11.18 14.40

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: SCM

% Moisture:

Analyst: SCM

Date Prep: 06.22.18 08.30

Basis: Wet Weight

Seq Number: 3054464

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	73.9	4.95	mg/kg	06.22.18 11.09		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 06.20.18 16.00

Basis: Wet Weight

Seq Number: 3054420

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	06.20.18 20.31	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	06.20.18 20.31	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	06.20.18 20.31	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	06.20.18 20.31	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	81	%	70-135	06.20.18 20.31	
o-Terphenyl	84-15-1	79	%	70-135	06.20.18 20.31	



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22-1 CTB

Sample Id: **SP-3 @6"**

Matrix: Soil

Date Received: 06.19.18 10.15

Lab Sample Id: 589611-003

Date Collected: 06.11.18 14.40

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 06.25.18 11.45

Basis: Wet Weight

Seq Number: 3054576

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	06.25.18 17.14	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	06.25.18 17.14	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	06.25.18 17.14	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	06.25.18 17.14	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	06.25.18 17.14	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	06.25.18 17.14	U	1
Total BTEX		<0.00201	0.00201	mg/kg	06.25.18 17.14	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	109	%	70-130	06.25.18 17.14		
1,4-Difluorobenzene	540-36-3	93	%	70-130	06.25.18 17.14		



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22-1 CTB

Sample Id: **SP-4 @6"**

Matrix: Soil

Date Received: 06.19.18 10.15

Lab Sample Id: 589611-004

Date Collected: 06.11.18 14.45

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: SCM

% Moisture:

Analyst: SCM

Date Prep: 06.22.18 08.30

Basis: Wet Weight

Seq Number: 3054464

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	23.3	4.98	mg/kg	06.22.18 11.25		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 06.20.18 16.00

Basis: Wet Weight

Seq Number: 3054420

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	06.20.18 20.51	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	06.20.18 20.51	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	06.20.18 20.51	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	06.20.18 20.51	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	78	%	70-135	06.20.18 20.51	
o-Terphenyl	84-15-1	76	%	70-135	06.20.18 20.51	



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22-1 CTB

Sample Id: **SP-4 @6"**

Matrix: Soil

Date Received: 06.19.18 10.15

Lab Sample Id: 589611-004

Date Collected: 06.11.18 14.45

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 06.25.18 11.45

Basis: Wet Weight

Seq Number: 3054576

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	06.25.18 17.32	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	06.25.18 17.32	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	06.25.18 17.32	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	06.25.18 17.32	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	06.25.18 17.32	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	06.25.18 17.32	U	1
Total BTEX		<0.00199	0.00199	mg/kg	06.25.18 17.32	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	98	%	70-130	06.25.18 17.32		
1,4-Difluorobenzene	540-36-3	99	%	70-130	06.25.18 17.32		



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22-1 CTB

Sample Id: **SP-5 @6"**

Matrix: Soil

Date Received: 06.19.18 10.15

Lab Sample Id: 589611-005

Date Collected: 06.11.18 14.50

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: SCM

% Moisture:

Analyst: SCM

Date Prep: 06.22.18 08.30

Basis: Wet Weight

Seq Number: 3054464

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	24400	250	mg/kg	06.22.18 11.31		50

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 06.20.18 16.00

Basis: Wet Weight

Seq Number: 3054420

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<14.9	14.9	mg/kg	06.20.18 21.12	U	1
Diesel Range Organics (DRO)	C10C28DRO	<14.9	14.9	mg/kg	06.20.18 21.12	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<14.9	14.9	mg/kg	06.20.18 21.12	U	1
Total TPH	PHC635	<14.9	14.9	mg/kg	06.20.18 21.12	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	77	%	70-135	06.20.18 21.12		
o-Terphenyl	84-15-1	76	%	70-135	06.20.18 21.12		



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22-1 CTB

Sample Id: **SP-5 @6"**

Matrix: Soil

Date Received: 06.19.18 10.15

Lab Sample Id: 589611-005

Date Collected: 06.11.18 14.50

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 06.25.18 11.45

Basis: Wet Weight

Seq Number: 3054576

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	06.25.18 17.51	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	06.25.18 17.51	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	06.25.18 17.51	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	06.25.18 17.51	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	06.25.18 17.51	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	06.25.18 17.51	U	1
Total BTEX		<0.00200	0.00200	mg/kg	06.25.18 17.51	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	102	%	70-130	06.25.18 17.51		
1,4-Difluorobenzene	540-36-3	97	%	70-130	06.25.18 17.51		



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22-1 CTB

Sample Id: **SP-6 @6"**

Matrix: Soil

Date Received: 06.19.18 10.15

Lab Sample Id: 589611-006

Date Collected: 06.11.18 14.55

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: SCM

% Moisture:

Analyst: SCM

Date Prep: 06.22.18 08.30

Basis: Wet Weight

Seq Number: 3054464

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	23700	250	mg/kg	06.22.18 11.36		50

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 06.20.18 16.00

Basis: Wet Weight

Seq Number: 3054420

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	06.20.18 21.32	U	1
Diesel Range Organics (DRO)	C10C28DRO	24.9	15.0	mg/kg	06.20.18 21.32		1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	06.20.18 21.32	U	1
Total TPH	PHC635	24.9	15.0	mg/kg	06.20.18 21.32		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	78	%	70-135	06.20.18 21.32	
o-Terphenyl	84-15-1	80	%	70-135	06.20.18 21.32	



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22-1 CTB

Sample Id: **SP-6 @6"**

Matrix: Soil

Date Received: 06.19.18 10.15

Lab Sample Id: 589611-006

Date Collected: 06.11.18 14.55

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 06.25.18 11.45

Basis: Wet Weight

Seq Number: 3054576

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	06.25.18 18.09	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	06.25.18 18.09	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	06.25.18 18.09	U	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	06.25.18 18.09	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	06.25.18 18.09	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	06.25.18 18.09	U	1
Total BTEX		<0.00202	0.00202	mg/kg	06.25.18 18.09	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	103	%	70-130	06.25.18 18.09		
1,4-Difluorobenzene	540-36-3	92	%	70-130	06.25.18 18.09		



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22-1 CTB

Sample Id: **SP-7 @6"**

Matrix: Soil

Date Received: 06.19.18 10.15

Lab Sample Id: 589611-007

Date Collected: 06.11.18 15.00

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: SCM

% Moisture:

Analyst: SCM

Date Prep: 06.22.18 08.30

Basis: Wet Weight

Seq Number: 3054464

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	20100	249	mg/kg	06.22.18 11.41		50

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 06.20.18 16.00

Basis: Wet Weight

Seq Number: 3054420

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	06.20.18 21.53	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	06.20.18 21.53	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	06.20.18 21.53	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	06.20.18 21.53	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	80	%	70-135	06.20.18 21.53		
o-Terphenyl	84-15-1	82	%	70-135	06.20.18 21.53		



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22-1 CTB

Sample Id: **SP-7 @6"**

Matrix: Soil

Date Received: 06.19.18 10.15

Lab Sample Id: 589611-007

Date Collected: 06.11.18 15.00

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 06.25.18 11.45

Basis: Wet Weight

Seq Number: 3054576

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	06.25.18 18.26	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	06.25.18 18.26	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	06.25.18 18.26	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	06.25.18 18.26	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	06.25.18 18.26	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	06.25.18 18.26	U	1
Total BTEX		<0.00201	0.00201	mg/kg	06.25.18 18.26	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	104	%	70-130	06.25.18 18.26		
4-Bromofluorobenzene	460-00-4	107	%	70-130	06.25.18 18.26		



Certificate of Analytical Results 589611

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22-1 CTB

Sample Id: **SP-8 @6"**

Matrix: Soil

Date Received: 06.19.18 10.15

Lab Sample Id: 589611-008

Date Collected: 06.11.18 15.05

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: SCM

% Moisture:

Analyst: SCM

Date Prep: 06.22.18 08.30

Basis: Wet Weight

Seq Number: 3054464

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	43.8	4.99	mg/kg	06.22.18 11.47		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 06.20.18 16.00

Basis: Wet Weight

Seq Number: 3054420

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	06.20.18 22.13	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	06.20.18 22.13	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	06.20.18 22.13	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	06.20.18 22.13	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	79	%	70-135	06.20.18 22.13		
o-Terphenyl	84-15-1	77	%	70-135	06.20.18 22.13		



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22-1 CTB

Sample Id: **SP-8 @6"**

Matrix: Soil

Date Received: 06.19.18 10.15

Lab Sample Id: 589611-008

Date Collected: 06.11.18 15.05

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 06.25.18 11.45

Basis: Wet Weight

Seq Number: 3054576

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	06.25.18 18.44	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	06.25.18 18.44	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	06.25.18 18.44	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	06.25.18 18.44	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	06.25.18 18.44	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	06.25.18 18.44	U	1
Total BTEX		<0.00198	0.00198	mg/kg	06.25.18 18.44	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	89	%	70-130	06.25.18 18.44		
1,4-Difluorobenzene	540-36-3	90	%	70-130	06.25.18 18.44		



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22-1 CTB

Sample Id: **SP-9 @6"**

Matrix: Soil

Date Received: 06.19.18 10.15

Lab Sample Id: 589611-009

Date Collected: 06.12.18 14.00

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: SCM

% Moisture:

Analyst: SCM

Date Prep: 06.22.18 08.30

Basis: Wet Weight

Seq Number: 3054464

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	16200	248	mg/kg	06.22.18 11.52		50

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 06.20.18 16.00

Basis: Wet Weight

Seq Number: 3054420

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	06.20.18 22.34	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	06.20.18 22.34	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	06.20.18 22.34	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	06.20.18 22.34	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	79	%	70-135	06.20.18 22.34		
o-Terphenyl	84-15-1	79	%	70-135	06.20.18 22.34		



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22-1 CTB

Sample Id: **SP-9 @6"**

Matrix: Soil

Date Received: 06.19.18 10.15

Lab Sample Id: 589611-009

Date Collected: 06.12.18 14.00

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 06.25.18 11.45

Basis: Wet Weight

Seq Number: 3054576

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	06.25.18 19.03	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	06.25.18 19.03	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	06.25.18 19.03	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	06.25.18 19.03	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	06.25.18 19.03	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	06.25.18 19.03	U	1
Total BTEX		<0.00200	0.00200	mg/kg	06.25.18 19.03	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	95	%	70-130	06.25.18 19.03		
4-Bromofluorobenzene	460-00-4	91	%	70-130	06.25.18 19.03		



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22-1 CTB

Sample Id: **SP-10 @5'**

Matrix: Soil

Date Received: 06.19.18 10.15

Lab Sample Id: 589611-010

Date Collected: 06.11.18 11.00

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: SCM

% Moisture:

Analyst: SCM

Date Prep: 06.22.18 08.30

Basis: Wet Weight

Seq Number: 3054464

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	2360	25.0	mg/kg	06.22.18 11.58		5

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 06.20.18 16.00

Basis: Wet Weight

Seq Number: 3054420

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<14.9	14.9	mg/kg	06.20.18 22.55	U	1
Diesel Range Organics (DRO)	C10C28DRO	43.4	14.9	mg/kg	06.20.18 22.55		1
Oil Range Hydrocarbons (ORO)	PHCG2835	<14.9	14.9	mg/kg	06.20.18 22.55	U	1
Total TPH	PHC635	43.4	14.9	mg/kg	06.20.18 22.55		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	79	%	70-135	06.20.18 22.55	
o-Terphenyl	84-15-1	82	%	70-135	06.20.18 22.55	



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22-1 CTB

Sample Id: **SP-10 @5'**

Matrix: Soil

Date Received: 06.19.18 10.15

Lab Sample Id: 589611-010

Date Collected: 06.11.18 11.00

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 06.25.18 11.45

Basis: Wet Weight

Seq Number: 3054576

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	06.25.18 19.22	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	06.25.18 19.22	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	06.25.18 19.22	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	06.25.18 19.22	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	06.25.18 19.22	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	06.25.18 19.22	U	1
Total BTEX		<0.00200	0.00200	mg/kg	06.25.18 19.22	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	92	%	70-130	06.25.18 19.22		
1,4-Difluorobenzene	540-36-3	105	%	70-130	06.25.18 19.22		



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22-1 CTB

Sample Id: **SP-10 @11'**

Matrix: Soil

Date Received: 06.19.18 10.15

Lab Sample Id: 589611-011

Date Collected: 06.11.18 11.40

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: SCM

% Moisture:

Analyst: SCM

Date Prep: 06.22.18 11.00

Basis: Wet Weight

Seq Number: 3054467

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	2060	24.9	mg/kg	06.22.18 13.29		5

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 06.20.18 16.00

Basis: Wet Weight

Seq Number: 3054420

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	06.20.18 23.57	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	06.20.18 23.57	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	06.20.18 23.57	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	06.20.18 23.57	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	79	%	70-135	06.20.18 23.57		
o-Terphenyl	84-15-1	80	%	70-135	06.20.18 23.57		



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22-1 CTB

Sample Id: **SP-10 @11'**

Matrix: Soil

Date Received: 06.19.18 10.15

Lab Sample Id: 589611-011

Date Collected: 06.11.18 11.40

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 06.25.18 11.45

Basis: Wet Weight

Seq Number: 3054576

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	06.25.18 20.15	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	06.25.18 20.15	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	06.25.18 20.15	U	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	06.25.18 20.15	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	06.25.18 20.15	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	06.25.18 20.15	U	1
Total BTEX		<0.00202	0.00202	mg/kg	06.25.18 20.15	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	105	%	70-130	06.25.18 20.15		
4-Bromofluorobenzene	460-00-4	94	%	70-130	06.25.18 20.15		



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22-1 CTB

Sample Id: **SP-11 @6"**

Matrix: Soil

Date Received: 06.19.18 10.15

Lab Sample Id: 589611-012

Date Collected: 06.12.18 14.05

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: SCM

% Moisture:

Analyst: SCM

Date Prep: 06.22.18 11.00

Basis: Wet Weight

Seq Number: 3054467

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	27900	250	mg/kg	06.22.18 13.35		50

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 06.20.18 16.00

Basis: Wet Weight

Seq Number: 3054420

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	06.21.18 00.18	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	06.21.18 00.18	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	06.21.18 00.18	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	06.21.18 00.18	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	79	%	70-135	06.21.18 00.18		
o-Terphenyl	84-15-1	77	%	70-135	06.21.18 00.18		



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22-1 CTB

Sample Id: **SP-11 @6"**

Matrix: Soil

Date Received: 06.19.18 10.15

Lab Sample Id: 589611-012

Date Collected: 06.12.18 14.05

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 06.25.18 11.45

Basis: Wet Weight

Seq Number: 3054576

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	06.25.18 20.34	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	06.25.18 20.34	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	06.25.18 20.34	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	06.25.18 20.34	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	06.25.18 20.34	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	06.25.18 20.34	U	1
Total BTEX		<0.00201	0.00201	mg/kg	06.25.18 20.34	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	102	%	70-130	06.25.18 20.34		
1,4-Difluorobenzene	540-36-3	103	%	70-130	06.25.18 20.34		



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22-1 CTB

Sample Id: **SP-12 @3'**

Matrix: Soil

Date Received: 06.19.18 10.15

Lab Sample Id: 589611-013

Date Collected: 06.08.18 11.10

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: SCM

% Moisture:

Analyst: SCM

Date Prep: 06.22.18 11.00

Basis: Wet Weight

Seq Number: 3054467

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	4070	49.6	mg/kg	06.22.18 13.40		10

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 06.20.18 16.00

Basis: Wet Weight

Seq Number: 3054420

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	06.21.18 00.38	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	06.21.18 00.38	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	06.21.18 00.38	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	06.21.18 00.38	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	78	%	70-135	06.21.18 00.38		
o-Terphenyl	84-15-1	78	%	70-135	06.21.18 00.38		



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22-1 CTB

Sample Id: **SP-12 @3'**

Matrix: Soil

Date Received: 06.19.18 10.15

Lab Sample Id: 589611-013

Date Collected: 06.08.18 11.10

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 06.25.18 11.45

Basis: Wet Weight

Seq Number: 3054576

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	06.25.18 20.52	UK	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	06.25.18 20.52	UK	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	06.25.18 20.52	UK	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	06.25.18 20.52	UK	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	06.25.18 20.52	UK	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	06.25.18 20.52	UK	1
Total BTEX		<0.00199	0.00199	mg/kg	06.25.18 20.52	UK	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	96	%	70-130	06.25.18 20.52		
1,4-Difluorobenzene	540-36-3	106	%	70-130	06.25.18 20.52		



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22-1 CTB

Sample Id: **SP-12 @9'**

Matrix: Soil

Date Received: 06.19.18 10.15

Lab Sample Id: 589611-014

Date Collected: 06.08.18 11.35

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: SCM

% Moisture:

Analyst: SCM

Date Prep: 06.22.18 11.00

Basis: Wet Weight

Seq Number: 3054467

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	1390	25.0	mg/kg	06.22.18 13.56		5

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 06.20.18 16.00

Basis: Wet Weight

Seq Number: 3054420

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<14.9	14.9	mg/kg	06.21.18 00.59	U	1
Diesel Range Organics (DRO)	C10C28DRO	<14.9	14.9	mg/kg	06.21.18 00.59	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<14.9	14.9	mg/kg	06.21.18 00.59	U	1
Total TPH	PHC635	<14.9	14.9	mg/kg	06.21.18 00.59	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	80	%	70-135	06.21.18 00.59		
o-Terphenyl	84-15-1	79	%	70-135	06.21.18 00.59		



Certificate of Analytical Results 589611



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22-1 CTB

Sample Id: **SP-12 @9'**

Matrix: Soil

Date Received: 06.19.18 10.15

Lab Sample Id: 589611-014

Date Collected: 06.08.18 11.35

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 06.25.18 11.45

Basis: Wet Weight

Seq Number: 3054576

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	06.25.18 21.09	UK	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	06.25.18 21.09	UK	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	06.25.18 21.09	UK	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	06.25.18 21.09	UK	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	06.25.18 21.09	UK	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	06.25.18 21.09	UK	1
Total BTEX		<0.00200	0.00200	mg/kg	06.25.18 21.09	UK	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	95	%	70-130	06.25.18 21.09		
1,4-Difluorobenzene	540-36-3	99	%	70-130	06.25.18 21.09		



Certificate of Analytical Results 589611



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22-1 CTB

Sample Id: **SP-12 @13'**

Matrix: Soil

Date Received: 06.19.18 10.15

Lab Sample Id: 589611-015

Date Collected: 06.08.18 11.55

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: SCM

% Moisture:

Analyst: SCM

Date Prep: 06.22.18 11.00

Basis: Wet Weight

Seq Number: 3054467

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	1640	25.0	mg/kg	06.22.18 14.02		5

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 06.20.18 16.00

Basis: Wet Weight

Seq Number: 3054420

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	06.21.18 01.20	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	06.21.18 01.20	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	06.21.18 01.20	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	06.21.18 01.20	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	78	%	70-135	06.21.18 01.20		
o-Terphenyl	84-15-1	78	%	70-135	06.21.18 01.20		



Certificate of Analytical Results 589611



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22-1 CTB

Sample Id: **SP-12 @13'**

Matrix: Soil

Date Received: 06.19.18 10.15

Lab Sample Id: 589611-015

Date Collected: 06.08.18 11.55

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 06.25.18 11.45

Basis: Wet Weight

Seq Number: 3054576

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	06.25.18 21.27	UK	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	06.25.18 21.27	UK	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	06.25.18 21.27	UK	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	06.25.18 21.27	UK	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	06.25.18 21.27	UK	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	06.25.18 21.27	UK	1
Total BTEX		<0.00200	0.00200	mg/kg	06.25.18 21.27	UK	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	93	%	70-130	06.25.18 21.27		
1,4-Difluorobenzene	540-36-3	100	%	70-130	06.25.18 21.27		



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22-1 CTB

Sample Id: **SP-13 @3'**

Matrix: Soil

Date Received: 06.19.18 10.15

Lab Sample Id: 589611-016

Date Collected: 06.08.18 12.20

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: SCM

% Moisture:

Analyst: SCM

Date Prep: 06.22.18 11.00

Basis: Wet Weight

Seq Number: 3054467

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	1050	25.0	mg/kg	06.22.18 14.07		5

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 06.20.18 16.00

Basis: Wet Weight

Seq Number: 3054420

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	06.21.18 01.40	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	06.21.18 01.40	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	06.21.18 01.40	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	06.21.18 01.40	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	84	%	70-135	06.21.18 01.40		
o-Terphenyl	84-15-1	83	%	70-135	06.21.18 01.40		



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22-1 CTB

Sample Id: **SP-13 @3'**

Matrix: Soil

Date Received: 06.19.18 10.15

Lab Sample Id: 589611-016

Date Collected: 06.08.18 12.20

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 06.25.18 11.45

Basis: Wet Weight

Seq Number: 3054576

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	06.25.18 21.46	UK	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	06.25.18 21.46	UK	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	06.25.18 21.46	UK	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	06.25.18 21.46	UK	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	06.25.18 21.46	UK	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	06.25.18 21.46	UK	1
Total BTEX		<0.00199	0.00199	mg/kg	06.25.18 21.46	UK	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	101	%	70-130	06.25.18 21.46		
1,4-Difluorobenzene	540-36-3	95	%	70-130	06.25.18 21.46		



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22-1 CTB

Sample Id: **SP-13 @9'**

Matrix: Soil

Date Received: 06.19.18 10.15

Lab Sample Id: 589611-017

Date Collected: 06.08.18 12.40

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: SCM

% Moisture:

Analyst: SCM

Date Prep: 06.22.18 11.00

Basis: Wet Weight

Seq Number: 3054467

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	1660	25.0	mg/kg	06.22.18 14.12		5

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 06.20.18 16.00

Basis: Wet Weight

Seq Number: 3054420

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	06.21.18 02.01	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	06.21.18 02.01	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	06.21.18 02.01	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	06.21.18 02.01	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	82	%	70-135	06.21.18 02.01		
o-Terphenyl	84-15-1	82	%	70-135	06.21.18 02.01		



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22-1 CTB

Sample Id: **SP-13 @9'**

Matrix: Soil

Date Received: 06.19.18 10.15

Lab Sample Id: 589611-017

Date Collected: 06.08.18 12.40

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 06.25.18 11.45

Basis: Wet Weight

Seq Number: 3054576

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	06.25.18 22.04	UK	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	06.25.18 22.04	UK	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	06.25.18 22.04	UK	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	06.25.18 22.04	UK	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	06.25.18 22.04	UK	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	06.25.18 22.04	UK	1
Total BTEX		<0.00200	0.00200	mg/kg	06.25.18 22.04	UK	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	94	%	70-130	06.25.18 22.04		
4-Bromofluorobenzene	460-00-4	87	%	70-130	06.25.18 22.04		



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22-1 CTB

Sample Id: **SP-13 @13'**

Matrix: Soil

Date Received: 06.19.18 10.15

Lab Sample Id: 589611-018

Date Collected: 06.08.18 12.50

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: SCM

% Moisture:

Analyst: SCM

Date Prep: 06.22.18 11.00

Basis: Wet Weight

Seq Number: 3054467

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	2230	25.0	mg/kg	06.22.18 14.18		5

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 06.20.18 16.00

Basis: Wet Weight

Seq Number: 3054420

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	06.21.18 02.21	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	06.21.18 02.21	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	06.21.18 02.21	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	06.21.18 02.21	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	81	%	70-135	06.21.18 02.21		
o-Terphenyl	84-15-1	80	%	70-135	06.21.18 02.21		



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22-1 CTB

Sample Id: **SP-13 @13'**

Matrix: Soil

Date Received: 06.19.18 10.15

Lab Sample Id: 589611-018

Date Collected: 06.08.18 12.50

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 06.25.18 11.45

Basis: Wet Weight

Seq Number: 3054576

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	06.25.18 22.22	UK	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	06.25.18 22.22	UK	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	06.25.18 22.22	UK	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	06.25.18 22.22	UK	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	06.25.18 22.22	UK	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	06.25.18 22.22	UK	1
Total BTEX		<0.00198	0.00198	mg/kg	06.25.18 22.22	UK	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	97	%	70-130	06.25.18 22.22		
1,4-Difluorobenzene	540-36-3	100	%	70-130	06.25.18 22.22		



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22-1 CTB

Sample Id: **SP-14 @6"**

Matrix: Soil

Date Received: 06.19.18 10.15

Lab Sample Id: 589611-019

Date Collected: 06.12.18 14.10

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: SCM

% Moisture:

Analyst: SCM

Date Prep: 06.22.18 11.00

Basis: Wet Weight

Seq Number: 3054467

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	21900	250	mg/kg	06.22.18 14.39		50

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 06.20.18 16.00

Basis: Wet Weight

Seq Number: 3054420

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	06.21.18 02.42	U	1
Diesel Range Organics (DRO)	C10C28DRO	637	15.0	mg/kg	06.21.18 02.42		1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	06.21.18 02.42	U	1
Total TPH	PHC635	637	15.0	mg/kg	06.21.18 02.42		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	78	%	70-135	06.21.18 02.42	
o-Terphenyl	84-15-1	99	%	70-135	06.21.18 02.42	



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22-1 CTB

Sample Id: **SP-14 @6"**

Matrix: Soil

Date Received: 06.19.18 10.15

Lab Sample Id: 589611-019

Date Collected: 06.12.18 14.10

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 06.25.18 11.45

Basis: Wet Weight

Seq Number: 3054576

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	06.25.18 22.41	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	06.25.18 22.41	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	06.25.18 22.41	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	06.25.18 22.41	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	06.25.18 22.41	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	06.25.18 22.41	U	1
Total BTEX		<0.00202	0.00202	mg/kg	06.25.18 22.41	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	99	%	70-130	06.25.18 22.41		
1,4-Difluorobenzene	540-36-3	105	%	70-130	06.25.18 22.41		



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22-1 CTB

Sample Id: **SP-15 @6"**

Matrix: Soil

Date Received: 06.19.18 10.15

Lab Sample Id: 589611-020

Date Collected: 06.12.18 14.20

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: SCM

% Moisture:

Analyst: SCM

Date Prep: 06.22.18 11.00

Basis: Wet Weight

Seq Number: 3054467

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	7960	49.8	mg/kg	06.22.18 14.45		10

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 06.20.18 16.00

Basis: Wet Weight

Seq Number: 3054420

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	06.21.18 03.03	U	1
Diesel Range Organics (DRO)	C10C28DRO	207	15.0	mg/kg	06.21.18 03.03		1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	06.21.18 03.03	U	1
Total TPH	PHC635	207	15.0	mg/kg	06.21.18 03.03		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	79	%	70-135	06.21.18 03.03	
o-Terphenyl	84-15-1	87	%	70-135	06.21.18 03.03	



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22-1 CTB

Sample Id: **SP-15 @6"**

Matrix: Soil

Date Received: 06.19.18 10.15

Lab Sample Id: 589611-020

Date Collected: 06.12.18 14.20

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 06.25.18 11.45

Basis: Wet Weight

Seq Number: 3054576

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	06.25.18 22.59	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	06.25.18 22.59	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	06.25.18 22.59	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	06.25.18 22.59	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	06.25.18 22.59	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	06.25.18 22.59	U	1
Total BTEX		<0.00201	0.00201	mg/kg	06.25.18 22.59	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	100	%	70-130	06.25.18 22.59		
1,4-Difluorobenzene	540-36-3	104	%	70-130	06.25.18 22.59		



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22-1 CTB

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

Matrix: Soil

Date Received: 06.19.18 10.15

Lab Sample Id: 589611-021

Date Collected: 06.11.18 13.00

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: SCM

% Moisture:

Analyst: SCM

Date Prep: 06.22.18 11.00

Basis: Wet Weight

Seq Number: 3054467

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	3260	50.0	mg/kg	06.22.18 15.01		10

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 06.21.18 07.00

Basis: Wet Weight

Seq Number: 3054457

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	06.21.18 12.38	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	06.21.18 12.38	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	06.21.18 12.38	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	06.21.18 12.38	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	79	%	70-135	06.21.18 12.38		
o-Terphenyl	84-15-1	83	%	70-135	06.21.18 12.38		



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22-1 CTB

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

Matrix: Soil

Date Received: 06.19.18 10.15

Lab Sample Id: 589611-021

Date Collected: 06.11.18 13.00

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 06.25.18 14.30

Basis: Wet Weight

Seq Number: 3054624

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	06.26.18 01.41	UK	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	06.26.18 01.41	UK	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	06.26.18 01.41	UK	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	06.26.18 01.41	UK	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	06.26.18 01.41	UK	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	06.26.18 01.41	UK	1
Total BTEX		<0.00198	0.00198	mg/kg	06.26.18 01.41	UK	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	100	%	70-130	06.26.18 01.41		
1,4-Difluorobenzene	540-36-3	108	%	70-130	06.26.18 01.41		



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22-1 CTB

Sample Id: **SP-16 @5'**

Matrix: Soil

Date Received: 06.19.18 10.15

Lab Sample Id: 589611-022

Date Collected: 06.11.18 13.30

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: SCM

% Moisture:

Analyst: SCM

Date Prep: 06.22.18 11.00

Basis: Wet Weight

Seq Number: 3054467

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	3930	49.9	mg/kg	06.22.18 15.06		10

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 06.21.18 07.00

Basis: Wet Weight

Seq Number: 3054457

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	06.21.18 12.59	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	06.21.18 12.59	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	06.21.18 12.59	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	06.21.18 12.59	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	77	%	70-135	06.21.18 12.59		
o-Terphenyl	84-15-1	80	%	70-135	06.21.18 12.59		



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22-1 CTB

Sample Id: **SP-16 @5'**

Matrix: Soil

Date Received: 06.19.18 10.15

Lab Sample Id: 589611-022

Date Collected: 06.11.18 13.30

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 06.25.18 14.30

Basis: Wet Weight

Seq Number: 3054624

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	06.26.18 01.59	UK	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	06.26.18 01.59	UK	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	06.26.18 01.59	UK	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	06.26.18 01.59	UK	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	06.26.18 01.59	UK	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	06.26.18 01.59	UK	1
Total BTEX		<0.00200	0.00200	mg/kg	06.26.18 01.59	UK	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	97	%	70-130	06.26.18 01.59		
1,4-Difluorobenzene	540-36-3	101	%	70-130	06.26.18 01.59		



Certificate of Analytical Results 589611



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22-1 CTB

Sample Id: **SP-16 @11'**

Matrix: Soil

Date Received: 06.19.18 10.15

Lab Sample Id: 589611-023

Date Collected: 06.11.18 14.15

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: SCM

% Moisture:

Analyst: SCM

Date Prep: 06.22.18 11.00

Basis: Wet Weight

Seq Number: 3054467

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	2840	24.9	mg/kg	06.22.18 15.12		5

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 06.21.18 07.00

Basis: Wet Weight

Seq Number: 3054457

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	06.21.18 13.20	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	06.21.18 13.20	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	06.21.18 13.20	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	06.21.18 13.20	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	74	%	70-135	06.21.18 13.20		
o-Terphenyl	84-15-1	76	%	70-135	06.21.18 13.20		



Certificate of Analytical Results 589611



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22-1 CTB

Sample Id: **SP-16 @11'**

Matrix: Soil

Date Received: 06.19.18 10.15

Lab Sample Id: 589611-023

Date Collected: 06.11.18 14.15

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 06.25.18 14.30

Basis: Wet Weight

Seq Number: 3054624

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	06.26.18 02.18	UK	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	06.26.18 02.18	UK	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	06.26.18 02.18	UK	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	06.26.18 02.18	UK	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	06.26.18 02.18	UK	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	06.26.18 02.18	UK	1
Total BTEX		<0.00200	0.00200	mg/kg	06.26.18 02.18	UK	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	89	%	70-130	06.26.18 02.18		
1,4-Difluorobenzene	540-36-3	92	%	70-130	06.26.18 02.18		



Certificate of Analytical Results 589611



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22-1 CTB

Sample Id: **SP-17 @3'**

Matrix: Soil

Date Received: 06.19.18 10.15

Lab Sample Id: 589611-024

Date Collected: 06.07.18 13.20

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: SCM

% Moisture:

Analyst: SCM

Date Prep: 06.22.18 11.00

Basis: Wet Weight

Seq Number: 3054467

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	1550	24.8	mg/kg	06.22.18 15.17		5

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 06.20.18 07.00

Basis: Wet Weight

Seq Number: 3054419

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	06.20.18 16.07	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	06.20.18 16.07	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	06.20.18 16.07	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	06.20.18 16.07	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	81	%	70-135	06.20.18 16.07	
o-Terphenyl	84-15-1	84	%	70-135	06.20.18 16.07	



Certificate of Analytical Results 589611



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22-1 CTB

Sample Id: **SP-17 @3'**

Matrix: Soil

Date Received: 06.19.18 10.15

Lab Sample Id: 589611-024

Date Collected: 06.07.18 13.20

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 06.25.18 14.30

Basis: Wet Weight

Seq Number: 3054624

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	06.26.18 07.30	UK	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	06.26.18 07.30	UK	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	06.26.18 07.30	UK	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	06.26.18 07.30	UK	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	06.26.18 07.30	UK	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	06.26.18 07.30	UK	1
Total BTEX		<0.00201	0.00201	mg/kg	06.26.18 07.30	UK	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	92	%	70-130	06.26.18 07.30		
4-Bromofluorobenzene	460-00-4	91	%	70-130	06.26.18 07.30		



Certificate of Analytical Results 589611



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22-1 CTB

Sample Id: **SP-17 @9'**

Matrix: Soil

Date Received: 06.19.18 10.15

Lab Sample Id: 589611-025

Date Collected: 06.07.18 14.15

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: SCM

% Moisture:

Analyst: SCM

Date Prep: 06.22.18 11.00

Basis: Wet Weight

Seq Number: 3054467

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	1970	25.0	mg/kg	06.22.18 15.29		5

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 06.20.18 07.00

Basis: Wet Weight

Seq Number: 3054419

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	06.20.18 16.27	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	06.20.18 16.27	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	06.20.18 16.27	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	06.20.18 16.27	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	85	%	70-135	06.20.18 16.27	
o-Terphenyl	84-15-1	86	%	70-135	06.20.18 16.27	



Certificate of Analytical Results 589611



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22-1 CTB

Sample Id: **SP-17 @9'**

Matrix: Soil

Date Received: 06.19.18 10.15

Lab Sample Id: 589611-025

Date Collected: 06.07.18 14.15

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 06.25.18 14.30

Basis: Wet Weight

Seq Number: 3054624

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	06.26.18 07.48	UK	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	06.26.18 07.48	UK	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	06.26.18 07.48	UK	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	06.26.18 07.48	UK	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	06.26.18 07.48	UK	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	06.26.18 07.48	UK	1
Total BTEX		<0.00201	0.00201	mg/kg	06.26.18 07.48	UK	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	111	%	70-130	06.26.18 07.48		
1,4-Difluorobenzene	540-36-3	111	%	70-130	06.26.18 07.48		



Certificate of Analytical Results 589611



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22-1 CTB

Sample Id: **SP-17 @11'**

Matrix: Soil

Date Received: 06.19.18 10.15

Lab Sample Id: 589611-026

Date Collected: 06.07.18 14.30

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: SCM

% Moisture:

Analyst: SCM

Date Prep: 06.22.18 11.00

Basis: Wet Weight

Seq Number: 3054467

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	2090	25.0	mg/kg	06.22.18 15.35		5

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 06.20.18 07.00

Basis: Wet Weight

Seq Number: 3054419

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	06.20.18 16.47	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	06.20.18 16.47	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	06.20.18 16.47	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	06.20.18 16.47	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	80	%	70-135	06.20.18 16.47		
o-Terphenyl	84-15-1	81	%	70-135	06.20.18 16.47		



Certificate of Analytical Results 589611



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22-1 CTB

Sample Id: **SP-17 @11'**

Matrix: Soil

Date Received: 06.19.18 10.15

Lab Sample Id: 589611-026

Date Collected: 06.07.18 14.30

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 06.25.18 14.30

Basis: Wet Weight

Seq Number: 3054624

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	06.26.18 08.06	UK	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	06.26.18 08.06	UK	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	06.26.18 08.06	UK	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	06.26.18 08.06	UK	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	06.26.18 08.06	UK	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	06.26.18 08.06	UK	1
Total BTEX		<0.00202	0.00202	mg/kg	06.26.18 08.06	UK	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	106	%	70-130	06.26.18 08.06		
4-Bromofluorobenzene	460-00-4	100	%	70-130	06.26.18 08.06		



Certificate of Analytical Results 589611



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22-1 CTB

Sample Id: **SP-18 @1'**

Matrix: Soil

Date Received: 06.19.18 10.15

Lab Sample Id: 589611-027

Date Collected: 06.11.18 14.30

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: SCM

% Moisture:

Analyst: SCM

Date Prep: 06.22.18 11.00

Basis: Wet Weight

Seq Number: 3054467

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	583	25.0	mg/kg	06.22.18 15.40		5

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 06.20.18 07.00

Basis: Wet Weight

Seq Number: 3054419

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	06.20.18 17.08	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	06.20.18 17.08	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	06.20.18 17.08	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	06.20.18 17.08	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	80	%	70-135	06.20.18 17.08		
o-Terphenyl	84-15-1	82	%	70-135	06.20.18 17.08		



Certificate of Analytical Results 589611



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22-1 CTB

Sample Id: **SP-18 @1'**

Matrix: Soil

Date Received: 06.19.18 10.15

Lab Sample Id: 589611-027

Date Collected: 06.11.18 14.30

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 06.25.18 14.30

Basis: Wet Weight

Seq Number: 3054624

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	06.26.18 08.24	UK	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	06.26.18 08.24	UK	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	06.26.18 08.24	UK	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	06.26.18 08.24	UK	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	06.26.18 08.24	UK	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	06.26.18 08.24	UK	1
Total BTEX		<0.00199	0.00199	mg/kg	06.26.18 08.24	UK	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	120	%	70-130	06.26.18 08.24		
1,4-Difluorobenzene	540-36-3	114	%	70-130	06.26.18 08.24		



Certificate of Analytical Results 589611



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22-1 CTB

Sample Id: **BG @ 9'**
Lab Sample Id: 589611-028

Matrix: Soil
Date Collected: 06.11.18 12.00

Date Received: 06.19.18 10.15

Analytical Method: Chloride by EPA 300

Tech: SCM

Analyst: SCM

Seq Number: 3054471

Prep Method: E300P

% Moisture:

Basis: Wet Weight

Date Prep: 06.22.18 15.15

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	2520	25.0	mg/kg	06.22.18 16.28		5

Analytical Method: TPH By SW8015 Mod

Tech: ARM

Analyst: ARM

Seq Number: 3054419

Prep Method: TX1005P

% Moisture:

Basis: Wet Weight

Date Prep: 06.20.18 07.00

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<14.9	14.9	mg/kg	06.20.18 17.28	U	1
Diesel Range Organics (DRO)	C10C28DRO	<14.9	14.9	mg/kg	06.20.18 17.28	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<14.9	14.9	mg/kg	06.20.18 17.28	U	1
Total TPH	PHC635	<14.9	14.9	mg/kg	06.20.18 17.28	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	80	%	70-135	06.20.18 17.28		
o-Terphenyl	84-15-1	83	%	70-135	06.20.18 17.28		



Certificate of Analytical Results 589611



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22-1 CTB

Sample Id: **BG @ 9'**
Lab Sample Id: 589611-028

Matrix: Soil
Date Collected: 06.11.18 12.00

Date Received: 06.19.18 10.15

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 06.25.18 14.30

Basis: Wet Weight

Seq Number: 3054624

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	06.26.18 08.42	UK	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	06.26.18 08.42	UK	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	06.26.18 08.42	UK	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	06.26.18 08.42	UK	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	06.26.18 08.42	UK	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	06.26.18 08.42	UK	1
Total BTEX		<0.00200	0.00200	mg/kg	06.26.18 08.42	UK	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	88	%	70-130	06.26.18 08.42		
1,4-Difluorobenzene	540-36-3	84	%	70-130	06.26.18 08.42		



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.

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

Vortec 22-1 CTB

Analytical Method: Chloride by EPA 300

Seq Number: 3054464

MB Sample Id: 7657130-1-BLK

Matrix: Solid

LCS Sample Id: 7657130-1-BKS

Prep Method: E300P

Date Prep: 06.22.18

LCSD Sample Id: 7657130-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<4.99	250	256	102	257	103	90-110	0	20	mg/kg	06.22.18 09:21	

Analytical Method: Chloride by EPA 300

Seq Number: 3054467

MB Sample Id: 7657167-1-BLK

Matrix: Solid

LCS Sample Id: 7657167-1-BKS

Prep Method: E300P

Date Prep: 06.22.18

LCSD Sample Id: 7657167-1-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	261	104	258	103	90-110	1	20	mg/kg	06.22.18 12:52	

Analytical Method: Chloride by EPA 300

Seq Number: 3054471

MB Sample Id: 7657168-1-BLK

Matrix: Solid

LCS Sample Id: 7657168-1-BKS

Prep Method: E300P

Date Prep: 06.22.18

LCSD Sample Id: 7657168-1-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	263	105	258	103	90-110	2	20	mg/kg	06.22.18 16:02	

Analytical Method: Chloride by EPA 300

Seq Number: 3054464

Parent Sample Id: 589610-001

Matrix: Soil

MS Sample Id: 589610-001 S

Prep Method: E300P

Date Prep: 06.22.18

MSD Sample Id: 589610-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	800	250	1050	100	1060	104	90-110	1	20	mg/kg	06.22.18 09:37	

Analytical Method: Chloride by EPA 300

Seq Number: 3054464

Parent Sample Id: 589611-001

Matrix: Soil

MS Sample Id: 589611-001 S

Prep Method: E300P

Date Prep: 06.22.18

MSD Sample Id: 589611-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	810	250	408	0	408	0	90-110	0	20	mg/kg	06.22.18 10:53	X

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

Vortec 22-1 CTB

Analytical Method: Chloride by EPA 300

Seq Number: 3054467

Parent Sample Id: 589613-001

Matrix: Soil

MS Sample Id: 589613-001 S

Prep Method: E300P

Date Prep: 06.22.18

MSD Sample Id: 589613-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	129	248	355	91	355	91	90-110	0	20	mg/kg	06.22.18 13:08	

Analytical Method: Chloride by EPA 300

Seq Number: 3054471

Parent Sample Id: 589613-002

Matrix: Soil

MS Sample Id: 589613-002 S

Prep Method: E300P

Date Prep: 06.22.18

MSD Sample Id: 589613-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	137	248	374	96	372	95	90-110	1	20	mg/kg	06.22.18 14:29	

Analytical Method: Chloride by EPA 300

Seq Number: 3054471

Parent Sample Id: 589613-003

Matrix: Soil

MS Sample Id: 589613-003 S

Prep Method: E300P

Date Prep: 06.22.18

MSD Sample Id: 589613-003 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	154	248	389	95	389	95	90-110	0	20	mg/kg	06.22.18 16:18	

Analytical Method: Chloride by EPA 300

Seq Number: 3054471

Parent Sample Id: 589731-004

Matrix: Soil

MS Sample Id: 589731-004 S

Prep Method: E300P

Date Prep: 06.22.18

MSD Sample Id: 589731-004 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	487	250	698	84	709	89	90-110	2	20	mg/kg	06.22.18 17:33	X

Analytical Method: TPH By SW8015 Mod

Seq Number: 3054419

MB Sample Id: 7657118-1-BLK

Matrix: Solid

LCS Sample Id: 7657118-1-BKS

Prep Method: TX1005P

Date Prep: 06.20.18

LCSD Sample Id: 7657118-1-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)	<15.0	1000	862	86	826	83	70-135	4	20	mg/kg	06.20.18 09:06	
Diesel Range Organics (DRO)	<15.0	1000	899	90	858	86	70-135	5	20	mg/kg	06.20.18 09:06	

Surrogate

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	78		101		116		70-135	%	06.20.18 09:06
o-Terphenyl	82		95		92		70-135	%	06.20.18 09:06

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

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

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

Vortec 22-1 CTB

Analytical Method: TPH By SW8015 Mod

Seq Number: 3054420

MB Sample Id: 7657120-1-BLK

Matrix: Solid

LCS Sample Id: 7657120-1-BKS

Prep Method: TX1005P

Date Prep: 06.20.18

LCSD Sample Id: 7657120-1-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)	<15.0	1000	829	83	851	85	70-135	3	20	mg/kg	06.20.18 18:29	
Diesel Range Organics (DRO)	<15.0	1000	881	88	885	89	70-135	0	20	mg/kg	06.20.18 18:29	
Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date	Flag		
1-Chlorooctane	79		118		120		70-135	%	06.20.18 18:29			
o-Terphenyl	82		91		98		70-135	%	06.20.18 18:29			

Analytical Method: TPH By SW8015 Mod

Seq Number: 3054457

MB Sample Id: 7657123-1-BLK

Matrix: Solid

LCS Sample Id: 7657123-1-BKS

Prep Method: TX1005P

Date Prep: 06.21.18

LCSD Sample Id: 7657123-1-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)	<15.0	1000	850	85	856	86	70-135	1	20	mg/kg	06.21.18 09:13	
Diesel Range Organics (DRO)	<15.0	1000	850	85	879	88	70-135	3	20	mg/kg	06.21.18 09:13	
Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits			Units	Analysis Date	
1-Chlorooctane	76		111		119		70-135			%	06.21.18 09:13	
o-Terphenyl	80		96		95		70-135			%	06.21.18 09:13	

Analytical Method: TPH By SW8015 Mod

Seq Number: 3054419

Parent Sample Id: 589481-001

Matrix: Soil

MS Sample Id: 589481-001 S

Prep Method: TX1005P

Date Prep: 06.20.18

MSD Sample Id: 589481-001 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)	<15.0	998	774	78	776	78	70-135	0	20	mg/kg	06.20.18 10:06	
Diesel Range Organics (DRO)	<15.0	998	812	81	816	82	70-135	0	20	mg/kg	06.20.18 10:06	
Surrogate			MS %Rec	MS Flag		MSD %Rec	MSD Flag		Limits	Units	Analysis Date	
1-Chlorooctane			114			115			70-135	%	06.20.18 10:06	
o-Terphenyl			86			86			70-135	%	06.20.18 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



Trinity Oilfield Services & Rentals, LLC

Vortec 22-1 CTB

Analytical Method: TPH By SW8015 Mod

Seq Number: 3054420

Parent Sample Id: 589611-001

Matrix: Soil

MS Sample Id: 589611-001 S

Prep Method: TX1005P

Date Prep: 06.20.18

MSD Sample Id: 589611-001 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)	<15.0	999	768	77	781	78	70-135	2	20	mg/kg	06.20.18 19:30	
Diesel Range Organics (DRO)	<15.0	999	800	80	805	81	70-135	1	20	mg/kg	06.20.18 19:30	

Surrogate

	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	112		112		70-135	%	06.20.18 19:30
o-Terphenyl	86		84		70-135	%	06.20.18 19:30

Analytical Method: TPH By SW8015 Mod

Seq Number: 3054457

Parent Sample Id: 589610-001

Matrix: Soil

MS Sample Id: 589610-001 S

Prep Method: TX1005P

Date Prep: 06.21.18

MSD Sample Id: 589610-001 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)	<15.0	997	827	83	849	85	70-135	3	20	mg/kg	06.21.18 10:14	
Diesel Range Organics (DRO)	<15.0	997	863	87	859	86	70-135	0	20	mg/kg	06.21.18 10:14	

Surrogate

	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	103		114		70-135	%	06.21.18 10:14
o-Terphenyl	90		99		70-135	%	06.21.18 10:14

Analytical Method: BTEX by EPA 8021B

Seq Number: 3054576

MB Sample Id: 7657326-1-BLK

Matrix: Solid

LCS Sample Id: 7657326-1-BKS

Prep Method: SW5030B

Date Prep: 06.25.18

LCSD Sample Id: 7657326-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00201	0.101	0.104	103	0.0992	99	70-130	5	35	mg/kg	06.25.18 13:44	
Toluene	<0.00201	0.101	0.110	109	0.104	104	70-130	6	35	mg/kg	06.25.18 13:44	
Ethylbenzene	<0.00201	0.101	0.110	109	0.102	102	70-130	8	35	mg/kg	06.25.18 13:44	
m,p-Xylenes	<0.00402	0.201	0.229	114	0.216	107	70-130	6	35	mg/kg	06.25.18 13:44	
o-Xylene	<0.00201	0.101	0.107	106	0.0990	99	70-130	8	35	mg/kg	06.25.18 13:44	

Surrogate

	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	99		102		94		70-130	%	06.25.18 13:44
4-Bromofluorobenzene	92		109		106		70-130	%	06.25.18 13:44

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

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

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

Vortec 22-1 CTB

Analytical Method: BTEX by EPA 8021B

Seq Number: 3054624

MB Sample Id: 7657332-1-BLK

Matrix: Solid

LCS Sample Id: 7657332-1-BKS

Prep Method: SW5030B

Date Prep: 06.25.18

LCSD Sample Id: 7657332-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00202	0.101	0.0986	98	0.0902	89	70-130	9	35	mg/kg	06.25.18 23:36	
Toluene	<0.00202	0.101	0.102	101	0.0941	93	70-130	8	35	mg/kg	06.25.18 23:36	
Ethylbenzene	<0.00202	0.101	0.102	101	0.0936	93	70-130	9	35	mg/kg	06.25.18 23:36	
m,p-Xylenes	<0.00403	0.202	0.212	105	0.193	96	70-130	9	35	mg/kg	06.25.18 23:36	
o-Xylene	<0.00202	0.101	0.0988	98	0.0918	91	70-130	7	35	mg/kg	06.25.18 23:36	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	104		108		97		70-130	%	06.25.18 23:36
4-Bromofluorobenzene	88		95		90		70-130	%	06.25.18 23:36

Analytical Method: BTEX by EPA 8021B

Seq Number: 3054576

Parent Sample Id: 589611-001

Matrix: Soil

MS Sample Id: 589611-001 S

Prep Method: SW5030B

Date Prep: 06.25.18

MSD Sample Id: 589611-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00199	0.0994	0.0740	74	0.0176	18	70-130	123	35	mg/kg	06.25.18 15:13	XF
Toluene	<0.00199	0.0994	0.0732	74	0.0178	18	70-130	122	35	mg/kg	06.25.18 15:13	XF
Ethylbenzene	<0.00199	0.0994	0.0613	62	0.0163	16	70-130	116	35	mg/kg	06.25.18 15:13	XF
m,p-Xylenes	<0.00398	0.199	0.124	62	0.0318	16	70-130	118	35	mg/kg	06.25.18 15:13	XF
o-Xylene	<0.00199	0.0994	0.0581	58	0.0157	16	70-130	115	35	mg/kg	06.25.18 15:13	XF

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	98		103		70-130	%	06.25.18 15:13
4-Bromofluorobenzene	108		96		70-130	%	06.25.18 15:13

Analytical Method: BTEX by EPA 8021B

Seq Number: 3054624

Parent Sample Id: 589935-001

Matrix: Soil

MS Sample Id: 589935-001 S

Prep Method: SW5030B

Date Prep: 06.25.18

MSD Sample Id: 589935-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00199	0.0996	0.0518	52	0.0517	52	70-130	0	35	mg/kg	06.26.18 00:10	X
Toluene	<0.00199	0.0996	0.0272	27	0.0259	26	70-130	5	35	mg/kg	06.26.18 00:10	X
Ethylbenzene	<0.00199	0.0996	0.0121	12	0.00791	8	70-130	42	35	mg/kg	06.26.18 00:10	XF
m,p-Xylenes	<0.00398	0.199	0.0221	11	0.0143	7	70-130	43	35	mg/kg	06.26.18 00:10	XF
o-Xylene	<0.00199	0.0996	0.0106	11	0.00967	10	70-130	9	35	mg/kg	06.26.18 00:10	X

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	99		102		70-130	%	06.26.18 00:10
4-Bromofluorobenzene	86		90		70-130	%	06.26.18 00:10

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



Houston: 4143 Greenbriar Dr. Stafford, TX 77477 (281)240-4200 Odessa: 12600 West I-20 East Odessa, TX 79765 (432)563-1800

CHAIN OF CUSTODY RECORD

Page 2 of 3

LAB W.O #: 589611

Field billable Hrs :

Container Type Codes

VA Vial Amber ES Encore Sampler
VC Vial Clear TS TerraCore Sampler
VP Vial Pre-preserved AC Air Canister
GA Glass Amber TB Tedlar Bag
GC Glass Clear ZB Zip Lock Bag
PA Plastic Amber PC Plastic Clear
PC Plastic Clear
Other _____

Size(s): 2oz, 4oz, 8oz, 16oz, 32oz, 1Gal
40ml, 125 ml, 250 ml, 500 ml, 1L, Other

** Preservative Type Codes

A. None E. HCL I. Ice
B. HNO₃ F. MeOH J. MCAA C.
H₂SO₄ G. Na₂S₂O₃ K. ZnAc&NaOH
D. NaOH H. NaHSO₄ L. Asbic Acid&NaOH
O. _____

^ Matrix Type Codes

GW Ground Water S Soil/Sediment/Solid
WW Waste Water W Wipe
DW Drinking Water A Air
SW Surface Water O Oil
OW Ocean/Sea Water T Tissue
PL Product-Liquid U Urine
PS Product-Solid B Blood
SL Sludge
Other _____

REMARKS

Company: Trinity Oilfield Services & Rentals, LLC Phone: (575)390-7208
Address: P.O. Box 2587 Fax: _____
City: Hobbs State: NM Zip: 88241
PM/Attn: Ben J. Arguijo Email: wade.ditrich@oxy.com & ben@trinityoilfieldservices.com
Project ID: Vortech 22-1 CTB PO#: _____
Invoice To: Oxy - Wade Ditrich (575)390-2828 Quote #: _____

Sampler Name: Tristan Payne Circle One Event: Daily Weekly Monthly Quarterly
Semi-Annual Annual N/A

Sample #	Sample ID	Collect Date	Collect Time	Matrix Code	Field Filtered	Integrity OK (Y/N)	Total # Containers	Example Volatiles by 6260	Lab Only:	ICALL	Run FAX on Highest TPH Only
1	SP-10 @ 11'	6/11/18	1140	S			1	TPH 8015M	X		
2	SP-11 @ 6"	6/12/18	1405	S			1	BTEX	X		
3	SP-12 @ 3'	6/8/18	1110	S			1	Chloride	X		
4	SP-12 @ 9'	6/8/18	1135	S			1		X		
5	SP-12 @ 13'	6/8/18	1155	S			1		X		
6	SP-13 @ 3'	6/8/18	1220	S			1		X		
7	SP-13 @ 9'	6/8/18	1240	S			1		X		
8	SP-13 @ 13'	6/8/18	1250	S			1		X		
9	SP-14 @ 6"	6/12/18	1410	S			1		X		
0	SP-15 @ 6"	6/12/18	1420	S			1		X		

Reg. Program / Clean-up Std. STATE for Certs & Regs. QA/QC Level & Certification. EDDs. COC & Labels. Coolers Temp °C. Lab Use Only. YES NO N/A

CTLs TRRP DW NPDES LPST DryCln Other: FL TX GA NC SC NJ PA OK LA AL NM Other: 1 2 3 4 CLP AFCEE QAPP NELAC DoD-ELAP Other: ADaPT SEDD ERPIMS XLS Other: Match Incomplete Absent Unclear 1 1820050.2

Relinquished by: *Trinity* Affiliation: *Trinity* Date: *6-18-18* Time: *2:10pm* Received by: *Esperanza G* Affiliation: *Mail Services* Date: *6-18-18* Time: *2:10pm*

1 *Esperanza Gonzalez* Affiliation: *Mail Services* Date: *6-18-18* Time: *3:49* Received by: *XENCO* Affiliation: *XENCO* Date: *6/19/18* Time: *10:15*

2
3
4

B&A Laboratories: Hobbs 575-392-7550 Dallas 214-902-0300 Houston 281-242-4200 Odessa 432-563-1800 San Antonio 210-509-3334 Phoenix 602-437-0330

FTS Service Centers: Atlanta 770-449-8800 Lakeland 863-646-8526 Tampa 803-543-8099 Philadelphia 610-955-5649 South Carolina 803-543-8099

Execution of this document by client creates a legal and binding agreement between client and Xenco for analytical and testing services provided by Xenco to client under Xenco's standard terms and conditions unless previously agreed in writing. Terms of payment are Net 30 days, and all past due amounts shall accrue interest at 1.5% per month until paid in full. All laboratory analytical data and reports generated by Xenco remain the exclusive property of Xenco until invoices for such data are paid in full. Revision Date: Nov 12, 2009

C.O.C. Serial #

Final 1.000

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Released to Imaging: 11/26/2023 11:27:41 AM

ORIGIN ID: H08A (575) 392-7550

**
MAIL SERVICES ETC, LLC
4008 N GRIMESHOBBS, NM 88240
UNITED STATES USSHIP DATE: 18JUN18
ACTWGT: 43.00 LB MAN
CAD: 0909328/CAFE3111
DIMS: 18x16x12 IN

BILL RECIPIENT

TO XENCO LABORATORIES
XENCO LABORATORIES
1211 W FLORIDA AVE

MIDLAND TX 79701

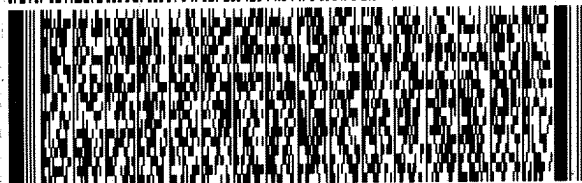
(432) 563-1800

REF:

INV:

DEPT:

PO:

FedEx
Express

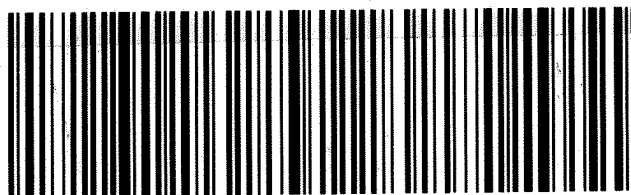
J171016102001UV

TRK# 6606 3917 1298
0201TUE - 19 JUN 10:30A
PRIORITY OVERNIGHT

41 MAFA

79701
TX-US LBB

Part # 156148-434 RED 09/16





Client: Trinity Oilfield Services & Rentals, LLC

Date/ Time Received: 06/19/2018 10:15:00 AM

Work Order #: 589611

Acceptable Temperature Range: 0 - 6 degC

Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : R8

Sample Receipt Checklist

Comments

#1 *Temperature of cooler(s)?	.2
#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)?	No
#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:

Katie Lowe

Date: 06/19/2018

Checklist reviewed by:

Brandi Ritcherson

Date: 06/19/2018



Certificate of Analysis Summary 619725

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: Vortec 22 #1 Battery

Project Id:

Contact: Ben Arguijo

Project Location:

Date Received in Lab: Tue Apr-02-19 11:45 am

Report Date: 10-APR-19

Project Manager: Holly Taylor

Analysis Requested	Lab Id:	619725-001	619725-002	619725-003	619725-004	619725-005	619725-006
	Field Id:	SP-6 @ 1.5'	SP-6 @ 5.5'	SP-6 @ 10.5'	SP-6 @ 13'	SP-11 @ 1.5'	SP-11 @ 5.5'
	Depth:						
	Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Sampled:	Mar-29-19 09:53	Mar-29-19 11:36	Mar-29-19 11:53	Mar-29-19 11:58	Mar-28-19 11:03	Mar-29-19 11:04
BTEX by EPA 8021B	Extracted:	Apr-08-19 09:00	Apr-08-19 09:00	Apr-08-19 09:00	Apr-08-19 09:00	Apr-08-19 09:00	Apr-08-19 09:00
	Analyzed:	Apr-08-19 23:42	Apr-09-19 00:01	Apr-09-19 00:20	Apr-09-19 00:39	Apr-09-19 00:58	Apr-09-19 01:17
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Benzene		<0.00202 0.00202	<0.00200 0.00200	<0.00200 0.00200	<0.00201 0.00201	<0.00199 0.00199	<0.00201 0.00201
Toluene		<0.00202 0.00202	<0.00200 0.00200	<0.00200 0.00200	<0.00201 0.00201	<0.00199 0.00199	<0.00201 0.00201
Ethylbenzene		<0.00202 0.00202	<0.00200 0.00200	<0.00200 0.00200	<0.00201 0.00201	<0.00199 0.00199	<0.00201 0.00201
m,p-Xylenes		<0.00403 0.00403	<0.00399 0.00399	<0.00399 0.00399	<0.00402 0.00402	<0.00398 0.00398	<0.00402 0.00402
o-Xylene		<0.00202 0.00202	<0.00200 0.00200	<0.00200 0.00200	<0.00201 0.00201	<0.00199 0.00199	<0.00201 0.00201
Total Xylenes		<0.00202 0.00202	<0.00200 0.00200	<0.00200 0.00200	<0.00201 0.00201	<0.00199 0.00199	<0.00201 0.00201
Total BTEX		<0.00202 0.00202	<0.00200 0.00200	<0.00200 0.00200	<0.00201 0.00201	<0.00199 0.00199	<0.00201 0.00201
Chloride by EPA 300	Extracted:	Apr-04-19 16:00	Apr-04-19 16:00	Apr-04-19 16:00	Apr-04-19 16:00	Apr-04-19 16:00	Apr-04-19 16:00
	Analyzed:	Apr-06-19 22:26	Apr-06-19 22:33	Apr-06-19 22:40	Apr-06-19 22:46	Apr-06-19 23:14	Apr-06-19 23:48
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		1160 25.0	2470 50.0	2590 50.3	2780 49.9	1440 25.0	3190 50.0
TPH By SW8015 Mod	Extracted:	Apr-05-19 07:00	Apr-05-19 07:00	Apr-05-19 07:00	Apr-05-19 07:00	Apr-05-19 07:00	Apr-05-19 07:00
	Analyzed:	Apr-05-19 09:44	Apr-05-19 10:43	Apr-05-19 11:04	Apr-05-19 11:24	Apr-05-19 11:44	Apr-05-19 12:04
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Gasoline Range Hydrocarbons (GRO)		<15.0 15.0	<15.0 15.0	<14.9 14.9	<14.9 14.9	<15.0 15.0	<15.0 15.0
Diesel Range Organics (DRO)		<15.0 15.0	<15.0 15.0	<14.9 14.9	<14.9 14.9	<15.0 15.0	<15.0 15.0
Motor Oil Range Hydrocarbons (MRO)		<15.0 15.0	<15.0 15.0	<14.9 14.9	<14.9 14.9	<15.0 15.0	<15.0 15.0
Total TPH		<15.0 15.0	<15.0 15.0	<14.9 14.9	<14.9 14.9	<15.0 15.0	<15.0 15.0

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 619725

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: Vortec 22 #1 Battery

Project Id:

Contact: Ben Arguijo

Project Location:

Date Received in Lab: Tue Apr-02-19 11:45 am

Report Date: 10-APR-19

Project Manager: Holly Taylor

<i>Analysis Requested</i>	<i>Lab Id:</i>	619725-007	619725-008	619725-009	619725-010	619725-011	619725-012
	<i>Field Id:</i>	SP-11 @ 12'	SP-14 @1.5'	SP-14 @4.5'	SP-14 @10'	SP-17 @13'	SP-17 @15'
	<i>Depth:</i>						
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	Mar-29-19 13:38	Mar-28-19 11:30	Mar-29-19 11:30	Mar-29-19 13:07	Mar-28-19 10:48	Mar-28-19 11:13
BTEX by EPA 8021B	<i>Extracted:</i>	Apr-08-19 09:00	Apr-08-19 09:00	Apr-08-19 09:00	Apr-08-19 09:00	Apr-08-19 17:00	Apr-08-19 17:00
	<i>Analyzed:</i>	Apr-09-19 01:36	Apr-09-19 01:55	Apr-09-19 02:14	Apr-09-19 02:33	Apr-09-19 05:21	Apr-09-19 05:40
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Benzene		<0.00200 0.00200	<0.00200 0.00200	<0.00198 0.00198	<0.00201 0.00201	<0.00199 0.00199	<0.00200 0.00200
Toluene		<0.00200 0.00200	<0.00200 0.00200	<0.00198 0.00198	<0.00201 0.00201	<0.00199 0.00199	<0.00200 0.00200
Ethylbenzene		<0.00200 0.00200	<0.00200 0.00200	<0.00198 0.00198	<0.00201 0.00201	<0.00199 0.00199	<0.00200 0.00200
m,p-Xylenes		<0.00400 0.00400	<0.00401 0.00401	<0.00397 0.00397	<0.00402 0.00402	<0.00398 0.00398	<0.00400 0.00400
o-Xylene		<0.00200 0.00200	<0.00200 0.00200	<0.00198 0.00198	<0.00201 0.00201	<0.00199 0.00199	<0.00200 0.00200
Total Xylenes		<0.00200 0.00200	<0.00200 0.00200	<0.00198 0.00198	<0.00201 0.00201	<0.00199 0.00199	<0.00200 0.00200
Total BTEX		<0.00200 0.00200	<0.00200 0.00200	<0.00198 0.00198	<0.00201 0.00201	<0.00199 0.00199	<0.00200 0.00200
Chloride by EPA 300	<i>Extracted:</i>	Apr-04-19 16:00	Apr-04-19 16:00	Apr-04-19 16:00	Apr-04-19 16:00	Apr-04-19 16:00	Apr-04-19 16:00
	<i>Analyzed:</i>	Apr-06-19 23:54	Apr-07-19 00:01	Apr-07-19 00:08	Apr-07-19 00:15	Apr-07-19 00:22	Apr-07-19 00:29
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		2380 25.0	924 25.2	2470 49.5	2780 24.9	1870 50.0	1670 25.0
TPH By SW8015 Mod	<i>Extracted:</i>	Apr-05-19 07:00	Apr-05-19 07:00	Apr-05-19 07:00	Apr-05-19 07:00	Apr-05-19 07:00	Apr-05-19 07:00
	<i>Analyzed:</i>	Apr-05-19 12:25	Apr-05-19 12:45	Apr-05-19 13:06	Apr-05-19 13:27	Apr-05-19 14:29	Apr-05-19 14:50
	<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)		<15.0 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0
Diesel Range Organics (DRO)		<15.0 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0
Motor Oil Range Hydrocarbons (MRO)		<15.0 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0
Total TPH		<15.0 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0

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Holly Taylor
Project Manager



Certificate of Analysis Summary 619725

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: Vortec 22 #1 Battery

Project Id:

Contact: Ben Arguijo

Project Location:

Date Received in Lab: Tue Apr-02-19 11:45 am

Report Date: 10-APR-19

Project Manager: Holly Taylor

<i>Analysis Requested</i>	<i>Lab Id:</i>	619725-013	619725-014	619725-015			
	<i>Field Id:</i>	BG-2 1.5'	BG-2 @ 11'	BG-2 @ 13'			
	<i>Depth:</i>						
	<i>Matrix:</i>	SOIL	SOIL	SOIL			
	<i>Sampled:</i>	Mar-28-19 11:49	Mar-28-19 14:03	Mar-28-19 14:27			
BTEX by EPA 8021B	<i>Extracted:</i>	Apr-08-19 17:00	Apr-08-19 17:00	Apr-08-19 17:00			
	<i>Analyzed:</i>	Apr-09-19 05:59	Apr-09-19 06:18	Apr-09-19 06:37			
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL			
Benzene		<0.00202 0.00202	<0.00201 0.00201	<0.00200 0.00200			
Toluene		<0.00202 0.00202	<0.00201 0.00201	<0.00200 0.00200			
Ethylbenzene		<0.00202 0.00202	<0.00201 0.00201	<0.00200 0.00200			
m,p-Xylenes		<0.00403 0.00403	<0.00402 0.00402	<0.00399 0.00399			
o-Xylene		<0.00202 0.00202	<0.00201 0.00201	<0.00200 0.00200			
Total Xylenes		<0.00202 0.00202	<0.00201 0.00201	<0.00200 0.00200			
Total BTEX		<0.00202 0.00202	<0.00201 0.00201	<0.00200 0.00200			
Chloride by EPA 300	<i>Extracted:</i>	Apr-04-19 16:00	Apr-04-19 16:30	Apr-04-19 16:30			
	<i>Analyzed:</i>	Apr-06-19 23:20	Apr-04-19 18:37	Apr-04-19 18:44			
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL			
Chloride		208 5.00	2800 49.7	2840 50.1			
TPH By SW8015 Mod	<i>Extracted:</i>	Apr-05-19 07:00	Apr-05-19 07:00	Apr-05-19 07:00			
	<i>Analyzed:</i>	Apr-05-19 15:11	Apr-05-19 15:33	Apr-05-19 15:54			
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL			
Gasoline Range Hydrocarbons (GRO)		<15.0 15.0	<14.9 14.9	<15.0 15.0			
Diesel Range Organics (DRO)		<15.0 15.0	<14.9 14.9	<15.0 15.0			
Motor Oil Range Hydrocarbons (MRO)		<15.0 15.0	<14.9 14.9	<15.0 15.0			
Total TPH		<15.0 15.0	<14.9 14.9	<15.0 15.0			

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

Holly Taylor
Project Manager

Analytical Report 619725

for

Trinity Oilfield Services & Rentals, LLC

Project Manager: Ben Arguijo

Vortec 22 #1 Battery

10-APR-19

Collected By: Client



1211 W. Florida Ave
Midland TX 79701

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-18-28), Arizona (AZ0765), Florida (E871002-24), Louisiana (03054)
Oklahoma (2017-142)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-18-17), Arizona (AZ0809), Arkansas (17-063-0)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-18-14)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-18-18)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-18-18)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-18-4)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)
Xenco-Phoenix Mobile (EPA Lab Code: AZ00901): Arizona (AZM757)
Xenco-Atlanta (LELAP Lab ID #04176)
Xenco-Tampa: Florida (E87429), North Carolina (483)
Xenco-Lakeland: Florida (E84098)



10-APR-19

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

Reference: XENCO Report No(s): **619725**
Vortec 22 #1 Battery
Project Address:

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) 619725. 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. 619725 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'.

Holly Taylor
Project Manager

Recipient of the Prestigious Small Business Administration Award of Excellence in 1994.

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Sample Cross Reference 619725

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
SP-6 @1.5'	S	03-29-19 09:53		619725-001
SP-6 @ 5.5'	S	03-29-19 11:36		619725-002
SP-6 @ 10.5'	S	03-29-19 11:53		619725-003
SP-6 @ 13'	S	03-29-19 11:58		619725-004
SP-11 @1.5'	S	03-28-19 11:03		619725-005
SP-11 @ 5.5'	S	03-29-19 11:04		619725-006
SP-11 @ 12'	S	03-29-19 13:38		619725-007
SP-14 @1.5'	S	03-28-19 11:30		619725-008
SP-14 @4.5'	S	03-29-19 11:30		619725-009
SP-14 @10'	S	03-29-19 13:07		619725-010
SP-17 @13'	S	03-28-19 10:48		619725-011
SP-17 @15'	S	03-28-19 11:13		619725-012
BG-2 1.5'	S	03-28-19 11:49		619725-013
BG-2 @ 11'	S	03-28-19 14:03		619725-014
BG-2 @ 13'	S	03-28-19 14:27		619725-015

**CASE NARRATIVE****Client Name: Trinity Oilfield Services & Rentals, LLC****Project Name: Vortec 22 #1 Battery**

Project ID:
Work Order Number(s): 619725

Report Date: 10-APR-19
Date Received: 04/02/2019

Sample receipt non conformances and comments:

None

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3084923 BTEX by EPA 8021B

Soil samples were not received in Terracore kits and therefore were prepared by method 5030.

Batch: LBA-3085043 BTEX by EPA 8021B

Lab Sample ID 619725-011 was randomly selected for Matrix Spike/Matrix Spike Duplicate (MS/MSD). Toluene, o-Xylene recovered below QC limits in the Matrix Spike. Benzene, Ethylbenzene, m,p-Xylenes recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate. Outlier/s are due to possible matrix interference. Samples in the analytical batch are: 619725-011, -012, -013, -014, -015.

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.



Certificate of Analytical Results 619725



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **SP-6 @1.5'**

Matrix: Soil

Date Received: 04.02.19 11.45

Lab Sample Id: 619725-001

Date Collected: 03.29.19 09.53

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 04.04.19 16.00

Basis: Wet Weight

Seq Number: 3084888

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	1160	25.0	mg/kg	04.06.19 22.26		5

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 04.05.19 07.00

Basis: Wet Weight

Seq Number: 3084904

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	04.05.19 09.44	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	04.05.19 09.44	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	04.05.19 09.44	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	04.05.19 09.44	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	90	%	70-135	04.05.19 09.44	
o-Terphenyl	84-15-1	91	%	70-135	04.05.19 09.44	



Certificate of Analytical Results 619725



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **SP-6 @1.5'**

Matrix: Soil

Date Received: 04.02.19 11.45

Lab Sample Id: 619725-001

Date Collected: 03.29.19 09.53

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: SCM

% Moisture:

Analyst: SCM

Date Prep: 04.08.19 09.00

Basis: Wet Weight

Seq Number: 3084923

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	04.08.19 23.42	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	04.08.19 23.42	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	04.08.19 23.42	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	04.08.19 23.42	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	04.08.19 23.42	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	04.08.19 23.42	U	1
Total BTEX		<0.00202	0.00202	mg/kg	04.08.19 23.42	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	94	%	70-130	04.08.19 23.42		
1,4-Difluorobenzene	540-36-3	95	%	70-130	04.08.19 23.42		



Certificate of Analytical Results 619725



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **SP-6 @ 5.5'**

Matrix: Soil

Date Received: 04.02.19 11.45

Lab Sample Id: 619725-002

Date Collected: 03.29.19 11.36

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 04.04.19 16.00

Basis: Wet Weight

Seq Number: 3084888

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	2470	50.0	mg/kg	04.06.19 22.33		10

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 04.05.19 07.00

Basis: Wet Weight

Seq Number: 3084904

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	04.05.19 10.43	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	04.05.19 10.43	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	04.05.19 10.43	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	04.05.19 10.43	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	89	%	70-135	04.05.19 10.43	
o-Terphenyl	84-15-1	89	%	70-135	04.05.19 10.43	



Certificate of Analytical Results 619725



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **SP-6 @ 5.5'**

Matrix: Soil

Date Received: 04.02.19 11.45

Lab Sample Id: 619725-002

Date Collected: 03.29.19 11.36

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: SCM

% Moisture:

Analyst: SCM

Date Prep: 04.08.19 09.00

Basis: Wet Weight

Seq Number: 3084923

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	04.09.19 00.01	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	04.09.19 00.01	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	04.09.19 00.01	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	04.09.19 00.01	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	04.09.19 00.01	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	04.09.19 00.01	U	1
Total BTEX		<0.00200	0.00200	mg/kg	04.09.19 00.01	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	106	%	70-130	04.09.19 00.01		
1,4-Difluorobenzene	540-36-3	97	%	70-130	04.09.19 00.01		



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **SP-6 @ 10.5'**

Matrix: Soil

Date Received: 04.02.19 11.45

Lab Sample Id: 619725-003

Date Collected: 03.29.19 11.53

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 04.04.19 16.00

Basis: Wet Weight

Seq Number: 3084888

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	2590	50.3	mg/kg	04.06.19 22.40		10

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 04.05.19 07.00

Basis: Wet Weight

Seq Number: 3084904

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<14.9	14.9	mg/kg	04.05.19 11.04	U	1
Diesel Range Organics (DRO)	C10C28DRO	<14.9	14.9	mg/kg	04.05.19 11.04	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<14.9	14.9	mg/kg	04.05.19 11.04	U	1
Total TPH	PHC635	<14.9	14.9	mg/kg	04.05.19 11.04	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	89	%	70-135	04.05.19 11.04	
o-Terphenyl	84-15-1	90	%	70-135	04.05.19 11.04	



Certificate of Analytical Results 619725



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **SP-6 @ 10.5'**

Matrix: Soil

Date Received: 04.02.19 11.45

Lab Sample Id: 619725-003

Date Collected: 03.29.19 11.53

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: SCM

% Moisture:

Analyst: SCM

Date Prep: 04.08.19 09.00

Basis: Wet Weight

Seq Number: 3084923

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	04.09.19 00.20	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	04.09.19 00.20	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	04.09.19 00.20	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	04.09.19 00.20	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	04.09.19 00.20	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	04.09.19 00.20	U	1
Total BTEX		<0.00200	0.00200	mg/kg	04.09.19 00.20	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	97	%	70-130	04.09.19 00.20		
4-Bromofluorobenzene	460-00-4	108	%	70-130	04.09.19 00.20		



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **SP-6 @ 13'**

Matrix: Soil

Date Received: 04.02.19 11.45

Lab Sample Id: 619725-004

Date Collected: 03.29.19 11.58

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 04.04.19 16.00

Basis: Wet Weight

Seq Number: 3084888

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	2780	49.9	mg/kg	04.06.19 22.46		10

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 04.05.19 07.00

Basis: Wet Weight

Seq Number: 3084904

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<14.9	14.9	mg/kg	04.05.19 11.24	U	1
Diesel Range Organics (DRO)	C10C28DRO	<14.9	14.9	mg/kg	04.05.19 11.24	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<14.9	14.9	mg/kg	04.05.19 11.24	U	1
Total TPH	PHC635	<14.9	14.9	mg/kg	04.05.19 11.24	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	89	%	70-135	04.05.19 11.24		
o-Terphenyl	84-15-1	90	%	70-135	04.05.19 11.24		



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **SP-6 @ 13'**

Matrix: Soil

Date Received: 04.02.19 11.45

Lab Sample Id: 619725-004

Date Collected: 03.29.19 11.58

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: SCM

% Moisture:

Analyst: SCM

Date Prep: 04.08.19 09.00

Basis: Wet Weight

Seq Number: 3084923

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	04.09.19 00.39	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	04.09.19 00.39	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	04.09.19 00.39	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	04.09.19 00.39	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	04.09.19 00.39	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	04.09.19 00.39	U	1
Total BTEX		<0.00201	0.00201	mg/kg	04.09.19 00.39	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	103	%	70-130	04.09.19 00.39		
1,4-Difluorobenzene	540-36-3	96	%	70-130	04.09.19 00.39		



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **SP-11 @1.5'**

Matrix: Soil

Date Received: 04.02.19 11.45

Lab Sample Id: 619725-005

Date Collected: 03.28.19 11.03

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 04.04.19 16.00

Basis: Wet Weight

Seq Number: 3084888

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	1440	25.0	mg/kg	04.06.19 23.14		5

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 04.05.19 07.00

Basis: Wet Weight

Seq Number: 3084904

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	04.05.19 11.44	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	04.05.19 11.44	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	04.05.19 11.44	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	04.05.19 11.44	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	91	%	70-135	04.05.19 11.44		
o-Terphenyl	84-15-1	91	%	70-135	04.05.19 11.44		



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **SP-11 @1.5'**

Matrix: Soil

Date Received: 04.02.19 11.45

Lab Sample Id: 619725-005

Date Collected: 03.28.19 11.03

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: SCM

% Moisture:

Analyst: SCM

Date Prep: 04.08.19 09.00

Basis: Wet Weight

Seq Number: 3084923

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	04.09.19 00.58	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	04.09.19 00.58	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	04.09.19 00.58	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	04.09.19 00.58	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	04.09.19 00.58	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	04.09.19 00.58	U	1
Total BTEX		<0.00199	0.00199	mg/kg	04.09.19 00.58	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	101	%	70-130	04.09.19 00.58		
1,4-Difluorobenzene	540-36-3	96	%	70-130	04.09.19 00.58		



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **SP-11 @ 5.5'**

Matrix: Soil

Date Received: 04.02.19 11.45

Lab Sample Id: 619725-006

Date Collected: 03.29.19 11.04

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 04.04.19 16.00

Basis: Wet Weight

Seq Number: 3084888

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	3190	50.0	mg/kg	04.06.19 23.48		10

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 04.05.19 07.00

Basis: Wet Weight

Seq Number: 3084904

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	04.05.19 12.04	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	04.05.19 12.04	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	04.05.19 12.04	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	04.05.19 12.04	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	88	%	70-135	04.05.19 12.04	
o-Terphenyl	84-15-1	88	%	70-135	04.05.19 12.04	



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **SP-11 @ 5.5'**

Matrix: Soil

Date Received: 04.02.19 11.45

Lab Sample Id: 619725-006

Date Collected: 03.29.19 11.04

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: SCM

% Moisture:

Analyst: SCM

Date Prep: 04.08.19 09.00

Basis: Wet Weight

Seq Number: 3084923

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	04.09.19 01.17	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	04.09.19 01.17	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	04.09.19 01.17	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	04.09.19 01.17	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	04.09.19 01.17	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	04.09.19 01.17	U	1
Total BTEX		<0.00201	0.00201	mg/kg	04.09.19 01.17	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	103	%	70-130	04.09.19 01.17		
1,4-Difluorobenzene	540-36-3	97	%	70-130	04.09.19 01.17		



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **SP-11 @ 12'**

Matrix: Soil

Date Received: 04.02.19 11.45

Lab Sample Id: 619725-007

Date Collected: 03.29.19 13.38

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 04.04.19 16.00

Basis: Wet Weight

Seq Number: 3084888

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	2380	25.0	mg/kg	04.06.19 23.54		5

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 04.05.19 07.00

Basis: Wet Weight

Seq Number: 3084904

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	04.05.19 12.25	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	04.05.19 12.25	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	04.05.19 12.25	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	04.05.19 12.25	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	88	%	70-135	04.05.19 12.25		
o-Terphenyl	84-15-1	88	%	70-135	04.05.19 12.25		



Certificate of Analytical Results 619725



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **SP-11 @ 12'**

Matrix: Soil

Date Received: 04.02.19 11.45

Lab Sample Id: 619725-007

Date Collected: 03.29.19 13.38

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: SCM

% Moisture:

Analyst: SCM

Date Prep: 04.08.19 09.00

Basis: Wet Weight

Seq Number: 3084923

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	04.09.19 01.36	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	04.09.19 01.36	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	04.09.19 01.36	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	04.09.19 01.36	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	04.09.19 01.36	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	04.09.19 01.36	U	1
Total BTEX		<0.00200	0.00200	mg/kg	04.09.19 01.36	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	96	%	70-130	04.09.19 01.36		
4-Bromofluorobenzene	460-00-4	101	%	70-130	04.09.19 01.36		



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **SP-14 @1.5'**

Matrix: Soil

Date Received: 04.02.19 11.45

Lab Sample Id: 619725-008

Date Collected: 03.28.19 11.30

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 04.04.19 16.00

Basis: Wet Weight

Seq Number: 3084888

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	924	25.2	mg/kg	04.07.19 00.01		5

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 04.05.19 07.00

Basis: Wet Weight

Seq Number: 3084904

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	04.05.19 12.45	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	04.05.19 12.45	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	04.05.19 12.45	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	04.05.19 12.45	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	92	%	70-135	04.05.19 12.45		
o-Terphenyl	84-15-1	93	%	70-135	04.05.19 12.45		



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **SP-14 @1.5'**

Matrix: Soil

Date Received: 04.02.19 11.45

Lab Sample Id: 619725-008

Date Collected: 03.28.19 11.30

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: SCM

% Moisture:

Analyst: SCM

Date Prep: 04.08.19 09.00

Basis: Wet Weight

Seq Number: 3084923

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	04.09.19 01.55	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	04.09.19 01.55	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	04.09.19 01.55	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	04.09.19 01.55	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	04.09.19 01.55	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	04.09.19 01.55	U	1
Total BTEX		<0.00200	0.00200	mg/kg	04.09.19 01.55	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	98	%	70-130	04.09.19 01.55		
4-Bromofluorobenzene	460-00-4	102	%	70-130	04.09.19 01.55		



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **SP-14 @4.5'**

Matrix: Soil

Date Received: 04.02.19 11.45

Lab Sample Id: 619725-009

Date Collected: 03.29.19 11.30

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 04.04.19 16.00

Basis: Wet Weight

Seq Number: 3084888

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	2470	49.5	mg/kg	04.07.19 00.08		10

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 04.05.19 07.00

Basis: Wet Weight

Seq Number: 3084904

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	04.05.19 13.06	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	04.05.19 13.06	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	04.05.19 13.06	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	04.05.19 13.06	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	88	%	70-135	04.05.19 13.06	
o-Terphenyl	84-15-1	88	%	70-135	04.05.19 13.06	



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **SP-14 @4.5'**

Matrix: Soil

Date Received: 04.02.19 11.45

Lab Sample Id: 619725-009

Date Collected: 03.29.19 11.30

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: SCM

% Moisture:

Analyst: SCM

Date Prep: 04.08.19 09.00

Basis: Wet Weight

Seq Number: 3084923

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	04.09.19 02.14	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	04.09.19 02.14	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	04.09.19 02.14	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	04.09.19 02.14	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	04.09.19 02.14	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	04.09.19 02.14	U	1
Total BTEX		<0.00198	0.00198	mg/kg	04.09.19 02.14	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	98	%	70-130	04.09.19 02.14		
1,4-Difluorobenzene	540-36-3	91	%	70-130	04.09.19 02.14		



Certificate of Analytical Results 619725



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **SP-14 @10'**

Matrix: Soil

Date Received: 04.02.19 11.45

Lab Sample Id: 619725-010

Date Collected: 03.29.19 13.07

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 04.04.19 16.00

Basis: Wet Weight

Seq Number: 3084888

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	2780	24.9	mg/kg	04.07.19 00.15		5

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 04.05.19 07.00

Basis: Wet Weight

Seq Number: 3084904

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	04.05.19 13.27	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	04.05.19 13.27	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	04.05.19 13.27	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	04.05.19 13.27	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	88	%	70-135	04.05.19 13.27	
o-Terphenyl	84-15-1	88	%	70-135	04.05.19 13.27	



Certificate of Analytical Results 619725



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **SP-14 @10'**

Matrix: Soil

Date Received: 04.02.19 11.45

Lab Sample Id: 619725-010

Date Collected: 03.29.19 13.07

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: SCM

% Moisture:

Analyst: SCM

Date Prep: 04.08.19 09.00

Basis: Wet Weight

Seq Number: 3084923

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	04.09.19 02.33	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	04.09.19 02.33	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	04.09.19 02.33	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	04.09.19 02.33	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	04.09.19 02.33	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	04.09.19 02.33	U	1
Total BTEX		<0.00201	0.00201	mg/kg	04.09.19 02.33	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	102	%	70-130	04.09.19 02.33		
1,4-Difluorobenzene	540-36-3	96	%	70-130	04.09.19 02.33		



Certificate of Analytical Results 619725



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **SP-17 @13'**

Matrix: Soil

Date Received: 04.02.19 11.45

Lab Sample Id: 619725-011

Date Collected: 03.28.19 10.48

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 04.04.19 16.00

Basis: Wet Weight

Seq Number: 3084888

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	1870	50.0	mg/kg	04.07.19 00.22		10

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 04.05.19 07.00

Basis: Wet Weight

Seq Number: 3084904

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	04.05.19 14.29	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	04.05.19 14.29	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	04.05.19 14.29	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	04.05.19 14.29	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	86	%	70-135	04.05.19 14.29	
o-Terphenyl	84-15-1	86	%	70-135	04.05.19 14.29	



Certificate of Analytical Results 619725



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **SP-17 @13'**

Matrix: Soil

Date Received: 04.02.19 11.45

Lab Sample Id: 619725-011

Date Collected: 03.28.19 10.48

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: SCM

% Moisture:

Analyst: SCM

Date Prep: 04.08.19 17.00

Basis: Wet Weight

Seq Number: 3085043

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	04.09.19 05.21	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	04.09.19 05.21	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	04.09.19 05.21	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	04.09.19 05.21	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	04.09.19 05.21	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	04.09.19 05.21	U	1
Total BTEX		<0.00199	0.00199	mg/kg	04.09.19 05.21	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	97	%	70-130	04.09.19 05.21		
1,4-Difluorobenzene	540-36-3	92	%	70-130	04.09.19 05.21		



Certificate of Analytical Results 619725



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **SP-17 @15'**

Matrix: Soil

Date Received: 04.02.19 11.45

Lab Sample Id: 619725-012

Date Collected: 03.28.19 11.13

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 04.04.19 16.00

Basis: Wet Weight

Seq Number: 3084888

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	1670	25.0	mg/kg	04.07.19 00.29		5

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 04.05.19 07.00

Basis: Wet Weight

Seq Number: 3084904

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	04.05.19 14.50	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	04.05.19 14.50	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	04.05.19 14.50	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	04.05.19 14.50	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	86	%	70-135	04.05.19 14.50	
o-Terphenyl	84-15-1	87	%	70-135	04.05.19 14.50	



Certificate of Analytical Results 619725



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **SP-17 @15'**

Matrix: Soil

Date Received: 04.02.19 11.45

Lab Sample Id: 619725-012

Date Collected: 03.28.19 11.13

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: SCM

% Moisture:

Analyst: SCM

Date Prep: 04.08.19 17.00

Basis: Wet Weight

Seq Number: 3085043

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	04.09.19 05.40	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	04.09.19 05.40	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	04.09.19 05.40	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	04.09.19 05.40	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	04.09.19 05.40	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	04.09.19 05.40	U	1
Total BTEX		<0.00200	0.00200	mg/kg	04.09.19 05.40	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	95	%	70-130	04.09.19 05.40		
4-Bromofluorobenzene	460-00-4	97	%	70-130	04.09.19 05.40		



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **BG-2 1.5'**

Matrix: Soil

Date Received: 04.02.19 11.45

Lab Sample Id: 619725-013

Date Collected: 03.28.19 11.49

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 04.04.19 16.00

Basis: Wet Weight

Seq Number: 3084888

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	208	5.00	mg/kg	04.06.19 23.20		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 04.05.19 07.00

Basis: Wet Weight

Seq Number: 3084904

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	04.05.19 15.11	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	04.05.19 15.11	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	04.05.19 15.11	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	04.05.19 15.11	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	88	%	70-135	04.05.19 15.11		
o-Terphenyl	84-15-1	87	%	70-135	04.05.19 15.11		



Certificate of Analytical Results 619725



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **BG-2 1.5'**

Matrix: Soil

Date Received: 04.02.19 11.45

Lab Sample Id: 619725-013

Date Collected: 03.28.19 11.49

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: SCM

% Moisture:

Analyst: SCM

Date Prep: 04.08.19 17.00

Basis: Wet Weight

Seq Number: 3085043

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	04.09.19 05.59	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	04.09.19 05.59	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	04.09.19 05.59	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	04.09.19 05.59	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	04.09.19 05.59	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	04.09.19 05.59	U	1
Total BTEX		<0.00202	0.00202	mg/kg	04.09.19 05.59	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	105	%	70-130	04.09.19 05.59		
1,4-Difluorobenzene	540-36-3	98	%	70-130	04.09.19 05.59		



Certificate of Analytical Results 619725



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **BG-2 @ 11'**

Matrix: Soil

Date Received: 04.02.19 11.45

Lab Sample Id: 619725-014

Date Collected: 03.28.19 14.03

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: SPC

Date Prep: 04.04.19 16.30

Basis: Wet Weight

Seq Number: 3084922

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	2800	49.7	mg/kg	04.04.19 18.37		10

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 04.05.19 07.00

Basis: Wet Weight

Seq Number: 3084904

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<14.9	14.9	mg/kg	04.05.19 15.33	U	1
Diesel Range Organics (DRO)	C10C28DRO	<14.9	14.9	mg/kg	04.05.19 15.33	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<14.9	14.9	mg/kg	04.05.19 15.33	U	1
Total TPH	PHC635	<14.9	14.9	mg/kg	04.05.19 15.33	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	85	%	70-135	04.05.19 15.33		
o-Terphenyl	84-15-1	85	%	70-135	04.05.19 15.33		



Certificate of Analytical Results 619725



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **BG-2 @ 11'**

Matrix: Soil

Date Received: 04.02.19 11.45

Lab Sample Id: 619725-014

Date Collected: 03.28.19 14.03

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: SCM

% Moisture:

Analyst: SCM

Date Prep: 04.08.19 17.00

Basis: Wet Weight

Seq Number: 3085043

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	04.09.19 06.18	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	04.09.19 06.18	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	04.09.19 06.18	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	04.09.19 06.18	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	04.09.19 06.18	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	04.09.19 06.18	U	1
Total BTEX		<0.00201	0.00201	mg/kg	04.09.19 06.18	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	98	%	70-130	04.09.19 06.18		
4-Bromofluorobenzene	460-00-4	103	%	70-130	04.09.19 06.18		



Certificate of Analytical Results 619725



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **BG-2 @ 13'**

Matrix: Soil

Date Received: 04.02.19 11.45

Lab Sample Id: 619725-015

Date Collected: 03.28.19 14.27

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: SPC

Date Prep: 04.04.19 16.30

Basis: Wet Weight

Seq Number: 3084922

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	2840	50.1	mg/kg	04.04.19 18.44		10

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 04.05.19 07.00

Basis: Wet Weight

Seq Number: 3084904

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	04.05.19 15.54	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	04.05.19 15.54	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	04.05.19 15.54	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	04.05.19 15.54	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	85	%	70-135	04.05.19 15.54	
o-Terphenyl	84-15-1	85	%	70-135	04.05.19 15.54	



Certificate of Analytical Results 619725



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **BG-2 @ 13'**

Matrix: Soil

Date Received: 04.02.19 11.45

Lab Sample Id: 619725-015

Date Collected: 03.28.19 14.27

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: SCM

% Moisture:

Analyst: SCM

Date Prep: 04.08.19 17.00

Basis: Wet Weight

Seq Number: 3085043

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	04.09.19 06.37	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	04.09.19 06.37	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	04.09.19 06.37	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	04.09.19 06.37	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	04.09.19 06.37	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	04.09.19 06.37	U	1
Total BTEX		<0.00200	0.00200	mg/kg	04.09.19 06.37	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	97	%	70-130	04.09.19 06.37		
4-Bromofluorobenzene	460-00-4	101	%	70-130	04.09.19 06.37		



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.

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

Vortec 22 #1 Battery

Analytical Method: Chloride by EPA 300

Seq Number: 3084888

MB Sample Id: 7675144-1-BLK

Matrix: Solid

LCS Sample Id: 7675144-1-BKS

Prep Method: E300P

Date Prep: 04.04.19

LCSD Sample Id: 7675144-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<0.858	250	251	100	257	103	90-110	2	20	mg/kg	04.06.19 20:57	

Analytical Method: Chloride by EPA 300

Seq Number: 3084922

MB Sample Id: 7675145-1-BLK

Matrix: Solid

LCS Sample Id: 7675145-1-BKS

Prep Method: E300P

Date Prep: 04.04.19

LCSD Sample Id: 7675145-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<0.858	250	249	100	248	99	90-110	0	20	mg/kg	04.04.19 18:03	

Analytical Method: Chloride by EPA 300

Seq Number: 3084888

Parent Sample Id: 619719-010

Matrix: Soil

MS Sample Id: 619719-010 S

Prep Method: E300P

Date Prep: 04.04.19

MSD Sample Id: 619719-010 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	156	250	310	62	419	105	90-110	30	20	mg/kg	04.06.19 21:18	XF

Analytical Method: Chloride by EPA 300

Seq Number: 3084888

Parent Sample Id: 619719-011

Matrix: Soil

MS Sample Id: 619719-011 S

Prep Method: E300P

Date Prep: 04.04.19

MSD Sample Id: 619719-011 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	479	249	605	51	700	89	90-110	15	20	mg/kg	04.06.19 23:00	X

Analytical Method: Chloride by EPA 300

Seq Number: 3084922

Parent Sample Id: 619726-001

Matrix: Soil

MS Sample Id: 619726-001 S

Prep Method: E300P

Date Prep: 04.04.19

MSD Sample Id: 619726-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	346	248	529	74	623	112	90-110	16	20	mg/kg	04.04.19 18:23	X

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

Vortec 22 #1 Battery

Analytical Method: Chloride by EPA 300

Seq Number: 3084922

Parent Sample Id: 619726-009

Matrix: Soil

MS Sample Id: 619726-009 S

Prep Method: E300P

Date Prep: 04.04.19

MSD Sample Id: 619726-009 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	174	250	350	70	352	71	90-110	1	20	mg/kg	04.04.19 19:59	X

Analytical Method: TPH By SW8015 Mod

Seq Number: 3084904

MB Sample Id: 7675251-1-BLK

Matrix: Solid

LCS Sample Id: 7675251-1-BKS

Prep Method: TX1005P

Date Prep: 04.05.19

LCSD Sample Id: 7675251-1-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)	<8.00	1000	941	94	980	98	70-135	4	20	mg/kg	04.05.19 09:04	
Diesel Range Organics (DRO)	<8.13	1000	1000	100	1040	104	70-135	4	20	mg/kg	04.05.19 09:04	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	102		121		124		70-135	%	04.05.19 09:04
o-Terphenyl	104		116		120		70-135	%	04.05.19 09:04

Analytical Method: TPH By SW8015 Mod

Seq Number: 3084904

Parent Sample Id: 619725-001

Matrix: Soil

MS Sample Id: 619725-001 S

Prep Method: TX1005P

Date Prep: 04.05.19

MSD Sample Id: 619725-001 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)	<7.99	999	925	93	959	96	70-135	4	20	mg/kg	04.05.19 10:04	
Diesel Range Organics (DRO)	<8.12	999	984	98	1020	102	70-135	4	20	mg/kg	04.05.19 10:04	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	117		120		70-135	%	04.05.19 10:04
o-Terphenyl	107		113		70-135	%	04.05.19 10:04

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. = $\text{Log}(\text{Sample Duplicate}) - \text{Log}(\text{Original Sample})$

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

Vortec 22 #1 Battery

Analytical Method: BTEX by EPA 8021B

Seq Number: 3084923

MB Sample Id: 7675279-1-BLK

Matrix: Solid

LCS Sample Id: 7675279-1-BKS

Prep Method: SW5030B

Date Prep: 04.08.19

LCSD Sample Id: 7675279-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.000383	0.0996	0.0933	94	0.0933	93	70-130	0	35	mg/kg	04.08.19 22:20	
Toluene	<0.000454	0.0996	0.0991	99	0.100	100	70-130	1	35	mg/kg	04.08.19 22:20	
Ethylbenzene	<0.000563	0.0996	0.0934	94	0.0945	95	70-130	1	35	mg/kg	04.08.19 22:20	
m,p-Xylenes	<0.00101	0.199	0.188	94	0.190	95	70-130	1	35	mg/kg	04.08.19 22:20	
o-Xylene	<0.000343	0.0996	0.0946	95	0.0957	96	70-130	1	35	mg/kg	04.08.19 22:20	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	91		97		97		70-130	%	04.08.19 22:20
4-Bromofluorobenzene	87		91		93		70-130	%	04.08.19 22:20

Analytical Method: BTEX by EPA 8021B

Seq Number: 3085043

MB Sample Id: 7675349-1-BLK

Matrix: Solid

LCS Sample Id: 7675349-1-BKS

Prep Method: SW5030B

Date Prep: 04.08.19

LCSD Sample Id: 7675349-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.000387	0.101	0.0842	83	0.0874	88	70-130	4	35	mg/kg	04.09.19 03:29	
Toluene	<0.000458	0.101	0.0902	89	0.0937	94	70-130	4	35	mg/kg	04.09.19 03:29	
Ethylbenzene	<0.000568	0.101	0.0845	84	0.0853	86	70-130	1	35	mg/kg	04.09.19 03:29	
m,p-Xylenes	<0.00102	0.201	0.167	83	0.171	86	70-130	2	35	mg/kg	04.09.19 03:29	
o-Xylene	<0.000346	0.101	0.0874	87	0.0950	95	70-130	8	35	mg/kg	04.09.19 03:29	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	91		96		96		70-130	%	04.09.19 03:29
4-Bromofluorobenzene	87		92		96		70-130	%	04.09.19 03:29

Analytical Method: BTEX by EPA 8021B

Seq Number: 3084923

Parent Sample Id: 619719-001

Matrix: Soil

MS Sample Id: 619719-001 S

Prep Method: SW5030B

Date Prep: 04.08.19

MSD Sample Id: 619719-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.000387	0.101	0.0597	59	0.0765	77	70-130	25	35	mg/kg	04.08.19 22:58	X
Toluene	<0.000458	0.101	0.0615	61	0.0799	80	70-130	26	35	mg/kg	04.08.19 22:58	X
Ethylbenzene	<0.000568	0.101	0.0552	55	0.0729	73	70-130	28	35	mg/kg	04.08.19 22:58	X
m,p-Xylenes	<0.00102	0.201	0.110	55	0.145	73	70-130	27	35	mg/kg	04.08.19 22:58	X
o-Xylene	0.000399	0.101	0.0562	55	0.0742	74	70-130	28	35	mg/kg	04.08.19 22:58	X

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	98		98		70-130	%	04.08.19 22:58
4-Bromofluorobenzene	100		102		70-130	%	04.08.19 22:58

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

Vortec 22 #1 Battery

Analytical Method: BTEX by EPA 8021B

Seq Number: 3085043

Parent Sample Id: 619725-011

Matrix: Soil

MS Sample Id: 619725-011 S

Prep Method: SW5030B

Date Prep: 04.08.19

MSD Sample Id: 619725-011 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.000384	0.0998	0.0472	47	0.0644	64	70-130	31	35	mg/kg	04.09.19 04:07	X
Toluene	<0.000455	0.0998	0.0589	59	0.0720	72	70-130	20	35	mg/kg	04.09.19 04:07	X
Ethylbenzene	<0.000564	0.0998	0.0568	57	0.0681	68	70-130	18	35	mg/kg	04.09.19 04:07	X
m,p-Xylenes	<0.00101	0.200	0.115	58	0.136	68	70-130	17	35	mg/kg	04.09.19 04:07	X
o-Xylene	0.000378	0.0998	0.0634	63	0.0716	71	70-130	12	35	mg/kg	04.09.19 04:07	X

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	87		95		70-130	%	04.09.19 04:07
4-Bromofluorobenzene	97		101		70-130	%	04.09.19 04:07

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 RECORD

Houston: 4143 Greenbriar Dr. Stafford, TX 77477 (281)240-4200 Odessa: 12600 West I-20 East Odessa, TX 79765 (432)563-1800
;roool-c

Page 2 of 2

LAB W.O # :

Field billable Hrs :

TAT Work Days = D Need results by: _____ Time: _____

Std (5-7D)	5Hrs	1D	2D	3D	4D	5D	7D	10D	14D	Other

* Container Type Codes

VA	Vial Amber	ES	Encore Sampler
VC	Vial Clear	TS	TerraCore Sampler
VP	Vial Pre-preserved	AC	Air Canister
GA	Glass Amber	TB	Tedlar Bag
GC	Glass Clear	ZB	Zip Lock Bag
PA	Plastic Amber	PC	Plastic Clear
PC	Plastic Clear		
Other			

Size(s): 2oz, 4oz, 8oz, 16oz, 32oz, 1Gal
40ml, 125 ml, 250 ml, 500 ml, 1L, Other

** Preservative Type Codes

A. None E. HCL I. Ice
B. HNO_3 F. MeOH J. MCAA
C. H_2SO_4 G. $\text{Na}_2\text{S}_2\text{O}_3$ K. ZnAc&NaOH
D. NaOH H. NaHSO_4 L. Asbc Acid&NaOH

^ Matrix Type Codes

GW	Ground Water	S	Soil/Sediment/Solid
WW	Waste Water	W	Wipe
DW	Drinking Water	A	Air
SW	Surface Water	O	Oil
OW	Ocean/Sea Water	T	Tissue
PL	Product-Liquid	U	Urine
PS	Product-Solid	B	Blood
SL	Sludge		

REMARKS

Company: Trinity Oilfield Services & Rentals, LLC			Phone: (575)390-7208		
Address: P.O. Box 2587			Fax:		
City: Hobbs		State: NM	Zip: 88241		
PM/Attn: Ben J. Arguijo		Email: wade.dittrich@oxy.com & ben@trinityoilfieldservices.com			
Project ID: Vortec 22 #1 Battery			PO#:		
Invoice To: Oxy - Wade Dittrich (575)390-2828			Quote #:		
Sampler Name: John Klepper		Circle One Event:	Daily	Weekly	Monthly
		Quartely	Semi-Annual	Annual	N/A

ANALYSES REQUESTED								
Cont Type *	GC	GC	GC					
Pres Type**	I	I	I					
Example Volatiles by 8260	TPH 8015M	BTEX	Chloride					

Sample #	Sample ID	Collect Date	Collect Time	Matrix Code ^A	Field Filtered	Integrity OK (Y/N)	Total # of containers
__1	SP-17 @ 13'	3/28/19	1048	S			1
__2	SP-17 @ 15'	3/28/19	1113	S			1
__3	BG-2 @ 1.5'	3/28/19	1149	S			1
__4	BG-2 @ 11'	3/28/19	1403	S			1
__5	BG-2 @ 13'	3/28/19	1427	S			1
__6							
__7							
__8							
__9							
__0							

Reg. Program / Clean-up Std						STATE for Certs & Regs							QA/QC Level & Certification								EDDs			COC & Labels		Coolers Temp °C		Lab Use Only		YES NO N/A					
CTLs	TRRP	DW	NPDES	LPST	DryCln	FL	TX	GA	NC	SC	NJ	PA	OK	1	2	3	4	CLP	AFCEE	QAPP	AdAPT	SEDD	ERPIMS	Match	Incomplete										
Other:						LA	AL	NM	Other:					NELAC	DoD-ELAP	Other:			XLS	Other:		Absent	Unclear	10.4	2	3	Non-Conformances found?								
Relinquished by						Affiliation									Date		Time		Received by			Affiliation		Date		Time		Samples intact upon arrival?							
1	<i>John W. Kepper</i>					<i>Trinity</i>									<i>04-01-19</i>		<i>3:00</i>		<i>K Burtch</i>			<i>MS</i>		<i>4/1/19</i>		<i>3:00pm</i>		Received on Wet Ice?							
2	<i>K Burtch</i>					<i>ms</i>									<i>4/1/19</i>		<i>3:40</i>		<i>Bgr</i>			<i>xms</i>		<i>4/2/19 1145</i>				Labeled with proper preservatives?							
3																												Received within holding time?							
4																														Custody seals intact?					
																														VOCs rec'd w/o headspace?					
																														Proper containers used?					
																																pH verified-acceptable, excl VOCs?			
																																Received on time to meet HTs?			

B&A Laboratories: Hobbs 575-392-7550 Dallas 214-902-0300 Houston 281-242-4200 Odessa 432-563-1800 San Antonio 210-509-3334 Phoenix 602-437-0330
FTS Service Centers: Atlanta 770-449-8800 Lakeland 863-646-8526 Tampa 803-543-8099 Philadelphia 610-955-5649 South Carolina 803-543-8099

C.O.C. Serial #

Execution of this document by client creates a legal and binding agreement between client and Xenco for analytical and testing services provided by Xenco to client under Xenco's standard terms and conditions unless previously agreed in writing. Terms of payment are Net 30 days, and all past due amounts shall accrue interest at 1.5% per month until paid in full. All laboratory analytical data and reports generated by Xenco remain the exclusive property of Xenco until invoices for such data are paid in full. Revision Date: Nov 12, 2009

Revision Date: Nov 12, 2009

Final 1,000

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Released to Imaging: 11/20/2023 11:29:41 AM

41 MAFB

TX-US LBB

MAFA

HLD

STANDARD OVERNIGHT

TUE - 02 APR HOLD

TRK# 4705 2520 5263

0201

Post # 155148-434 INT EXP 03/19 00

108118060501uv

FedEx Express

WIDLAND TX 79711

REF: 563-1800

DEPT:

ENCO LABORATORIES

EDEX EXPRESS SHIP CENTER

EDEX EXPRESS SHIP CENTER

600 COUNTY ROAD 1276 SOUTH

ORIGIN ID: HOBX (5/5) 392-7550

MAIL SERVICES ETC, LLC

4008 N GRIMES

1089, NM 88240

UNITED STATES US

SHIP DATE: 01APR19

ACTWGT: 18.00 LB MAN

CAD: 0909328/CAF3211

DIMS: 15x14x10 IN

BILL RECIPIENT

551C1/075/104C



Client: Trinity Oilfield Services & Rentals, LLC

Date/ Time Received: 04/02/2019 11:45:00 AM

Work Order #: 619725

Acceptable Temperature Range: 0 - 6 degC

Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : R8

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: 04/02/2019

Checklist reviewed by:

Holly Taylor

Date: 04/02/2019

Certificate of Analysis Summary 666718

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: Vortec 22 #1 Battery

Project Id:

Date Received in Lab: Thu 07.09.2020 11:00

Contact: Ben Arguijo

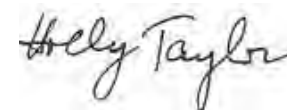
Report Date: 07.16.2020 08:05

Project Location: Lea County, New Mexico

Project Manager: Holly Taylor

Analysis Requested	Lab Id:	666718-001	666718-002	666718-003	666718-004		
	Field Id:	GA-1 Floor Composite	GA-2 Floor Composite	GA-3 Floor Composite	GA-4 Floor Composite		
	Depth:						
	Matrix:	SOIL	SOIL	SOIL	SOIL		
	Sampled:	07.08.2020 14:00	07.08.2020 14:05	07.08.2020 14:10	07.08.2020 14:15		
BTEX by EPA 8021B	Extracted:	07.10.2020 08:00	07.10.2020 08:00	07.10.2020 08:00	07.10.2020 08:00		
	Analyzed:	07.10.2020 10:51	07.10.2020 11:11	07.10.2020 11:32	07.10.2020 16:37		
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL		
Benzene		<0.00199 0.00199	<0.00201 0.00201	<0.00198 0.00198	<0.00198 0.00198		
Toluene		<0.00199 0.00199	<0.00201 0.00201	<0.00198 0.00198	<0.00198 0.00198		
Ethylbenzene		<0.00199 0.00199	<0.00201 0.00201	<0.00198 0.00198	<0.00198 0.00198		
m,p-Xylenes		<0.00398 0.00398	<0.00402 0.00402	<0.00397 0.00397	<0.00397 0.00397		
o-Xylene		<0.00199 0.00199	<0.00201 0.00201	<0.00198 0.00198	<0.00198 0.00198		
Total Xylenes		<0.00199 0.00199	<0.00201 0.00201	<0.00198 0.00198	<0.00198 0.00198		
Total BTEX		<0.00199 0.00199	<0.00201 0.00201	<0.00198 0.00198	<0.00198 0.00198		
Chloride by EPA 300	Extracted:	07.13.2020 10:30	07.13.2020 10:30	07.13.2020 10:30	07.13.2020 10:30		
	Analyzed:	07.13.2020 13:59	07.13.2020 14:05	07.13.2020 14:20	07.13.2020 14:25		
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL		
Chloride		320 24.9	346 5.05	162 24.9	140 4.99		
TPH By SW8015 Mod	Extracted:	07.10.2020 17:00	07.10.2020 17:00	07.10.2020 17:00	07.10.2020 17:00		
	Analyzed:	07.11.2020 22:31	07.11.2020 22:50	07.11.2020 23:08	07.11.2020 23:27		
	Units/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	<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		

BRL - Below Reporting Limit



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



Xenco

Analytical Report 666718

for

Trinity Oilfield Services & Rentals, LLC

Project Manager: Ben Arguijo

Vortec 22 #1 Battery

07.16.2020

Collected By: Client



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

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-20-36), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)
Oklahoma (2019-058), North Carolina (681), Arkansas (20-035-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-20-25), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-17)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-22)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-19-19)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-7)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)
Xenco-Tampa: Florida (E87429), North Carolina (483)



07.16.2020

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

Reference: Eurofins Xenco, LLC Report No(s): **666718**
Vortec 22 #1 Battery
Project Address: Lea County, New Mexico

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) 666718. 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. 666718 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,

A handwritten signature in black ink that reads "Holly Taylor".

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 666718****Trinity Oilfield Services & Rentals, LLC, Hobbs, NM**

Vortec 22 #1 Battery

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
GA-1 Floor Composite	S	07.08.2020 14:00		666718-001
GA-2 Floor Composite	S	07.08.2020 14:05		666718-002
GA-3 Floor Composite	S	07.08.2020 14:10		666718-003
GA-4 Floor Composite	S	07.08.2020 14:15		666718-004



CASE NARRATIVE

Client Name: Trinity Oilfield Services & Rentals, LLC

Project Name: Vortec 22 #1 Battery

Project ID:

Work Order Number(s): 666718

Report Date: 07.16.2020

Date Received: 07.09.2020

Sample receipt non conformances and comments:

7/10/2020 Per Ben Arguijo, change all "SP" on the Sample IDs to "GA" (phone). HT

Sample receipt non conformances and comments per sample:

None



Certificate of Analytical Results 666718

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-1 Floor Composite**

Matrix: Soil

Date Received: 07.09.2020 11:00

Lab Sample Id: 666718-001

Date Collected: 07.08.2020 14:00

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 07.13.2020 10:30

Basis: Wet Weight

Seq Number: 3131500

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	320	24.9	mg/kg	07.13.2020 13:59		5

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 07.10.2020 17:00

Basis: Wet Weight

Seq Number: 3131447

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	07.11.2020 22:31	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	07.11.2020 22:31	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	07.11.2020 22:31	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	07.11.2020 22:31	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	106	%	70-130	07.11.2020 22:31	
o-Terphenyl	84-15-1	109	%	70-130	07.11.2020 22:31	



Certificate of Analytical Results 666718

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-1 Floor Composite**

Matrix: Soil

Date Received: 07.09.2020 11:00

Lab Sample Id: 666718-001

Date Collected: 07.08.2020 14:00

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: AMF

% Moisture:

Analyst: AMF

Date Prep: 07.10.2020 08:00

Basis: Wet Weight

Seq Number: 3131350

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	07.10.2020 10:51	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	07.10.2020 10:51	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	07.10.2020 10:51	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	07.10.2020 10:51	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	07.10.2020 10:51	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	07.10.2020 10:51	U	1
Total BTEX		<0.00199	0.00199	mg/kg	07.10.2020 10:51	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	114	%	70-130	07.10.2020 10:51		
4-Bromofluorobenzene	460-00-4	103	%	70-130	07.10.2020 10:51		



Certificate of Analytical Results 666718

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-2 Floor Composite**

Matrix: Soil

Date Received: 07.09.2020 11:00

Lab Sample Id: 666718-002

Date Collected: 07.08.2020 14:05

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 07.13.2020 10:30

Basis: Wet Weight

Seq Number: 3131500

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	346	5.05	mg/kg	07.13.2020 14:05		1

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 07.10.2020 17:00

Basis: Wet Weight

Seq Number: 3131447

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	07.11.2020 22:50	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	07.11.2020 22:50	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	07.11.2020 22:50	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	07.11.2020 22:50	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	110	%	70-130	07.11.2020 22:50	
o-Terphenyl	84-15-1	114	%	70-130	07.11.2020 22:50	



Certificate of Analytical Results 666718

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-2 Floor Composite**

Matrix: Soil

Date Received: 07.09.2020 11:00

Lab Sample Id: 666718-002

Date Collected: 07.08.2020 14:05

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: AMF

% Moisture:

Analyst: AMF

Date Prep: 07.10.2020 08:00

Basis: Wet Weight

Seq Number: 3131350

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	07.10.2020 11:11	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	07.10.2020 11:11	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	07.10.2020 11:11	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	07.10.2020 11:11	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	07.10.2020 11:11	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	07.10.2020 11:11	U	1
Total BTEX		<0.00201	0.00201	mg/kg	07.10.2020 11:11	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	109	%	70-130	07.10.2020 11:11		
4-Bromofluorobenzene	460-00-4	97	%	70-130	07.10.2020 11:11		



Certificate of Analytical Results 666718

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-3 Floor Composite**

Matrix: Soil

Date Received: 07.09.2020 11:00

Lab Sample Id: 666718-003

Date Collected: 07.08.2020 14:10

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 07.13.2020 10:30

Basis: Wet Weight

Seq Number: 3131500

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	162	24.9	mg/kg	07.13.2020 14:20		5

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 07.10.2020 17:00

Basis: Wet Weight

Seq Number: 3131447

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	07.11.2020 23:08	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	07.11.2020 23:08	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	07.11.2020 23:08	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	07.11.2020 23:08	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	106	%	70-130	07.11.2020 23:08	
o-Terphenyl	84-15-1	110	%	70-130	07.11.2020 23:08	



Certificate of Analytical Results 666718

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-3 Floor Composite**

Matrix: Soil

Date Received: 07.09.2020 11:00

Lab Sample Id: 666718-003

Date Collected: 07.08.2020 14:10

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: AMF

% Moisture:

Analyst: AMF

Date Prep: 07.10.2020 08:00

Basis: Wet Weight

Seq Number: 3131350

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	07.10.2020 11:32	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	07.10.2020 11:32	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	07.10.2020 11:32	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	07.10.2020 11:32	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	07.10.2020 11:32	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	07.10.2020 11:32	U	1
Total BTEX		<0.00198	0.00198	mg/kg	07.10.2020 11:32	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	104	%	70-130	07.10.2020 11:32		
1,4-Difluorobenzene	540-36-3	115	%	70-130	07.10.2020 11:32		



Certificate of Analytical Results 666718

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-4 Floor Composite**

Matrix: Soil

Date Received: 07.09.2020 11:00

Lab Sample Id: 666718-004

Date Collected: 07.08.2020 14:15

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 07.13.2020 10:30

Basis: Wet Weight

Seq Number: 3131500

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	140	4.99	mg/kg	07.13.2020 14:25		1

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 07.10.2020 17:00

Basis: Wet Weight

Seq Number: 3131447

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	07.11.2020 23:27	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	07.11.2020 23:27	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	07.11.2020 23:27	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	07.11.2020 23:27	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	113	%	70-130	07.11.2020 23:27	
o-Terphenyl	84-15-1	116	%	70-130	07.11.2020 23:27	



Certificate of Analytical Results 666718

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-4 Floor Composite**

Matrix: Soil

Date Received: 07.09.2020 11:00

Lab Sample Id: 666718-004

Date Collected: 07.08.2020 14:15

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: AMF

% Moisture:

Analyst: AMF

Date Prep: 07.10.2020 08:00

Basis: Wet Weight

Seq Number: 3131350

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	07.10.2020 16:37	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	07.10.2020 16:37	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	07.10.2020 16:37	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	07.10.2020 16:37	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	07.10.2020 16:37	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	07.10.2020 16:37	U	1
Total BTEX		<0.00198	0.00198	mg/kg	07.10.2020 16:37	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	92	%	70-130	07.10.2020 16:37		
1,4-Difluorobenzene	540-36-3	114	%	70-130	07.10.2020 16:37		

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



Xenco

QC Summary 666718

Trinity Oilfield Services & Rentals, LLC

Vortec 22 #1 Battery

Analytical Method: Chloride by EPA 300

Seq Number: 3131500

MB Sample Id: 7707209-1-BLK

Matrix: Solid

LCS Sample Id: 7707209-1-BKS

Prep Method: E300P

Date Prep: 07.13.2020

LCSD Sample Id: 7707209-1-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	252	101	255	102	90-110	1	20	mg/kg	07.13.2020 13:04	

Analytical Method: Chloride by EPA 300

Seq Number: 3131500

Parent Sample Id: 666431-001

Matrix: Soil

MS Sample Id: 666431-001 S

Prep Method: E300P

Date Prep: 07.13.2020

MSD Sample Id: 666431-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	248	249	494	99	500	101	90-110	1	20	mg/kg	07.13.2020 13:19	

Analytical Method: Chloride by EPA 300

Seq Number: 3131500

Parent Sample Id: 666718-004

Matrix: Soil

MS Sample Id: 666718-004 S

Prep Method: E300P

Date Prep: 07.13.2020

MSD Sample Id: 666718-004 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	140	250	399	104	408	107	90-110	2	20	mg/kg	07.13.2020 14:30	

Analytical Method: TPH By SW8015 Mod

Seq Number: 3131447

MB Sample Id: 7707186-1-BLK

Matrix: Solid

LCS Sample Id: 7707186-1-BKS

Prep Method: SW8015P

Date Prep: 07.10.2020

LCSD Sample Id: 7707186-1-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	1130	113	1050	105	70-130	7	20	mg/kg	07.11.2020 19:40	
Diesel Range Organics (DRO)	<50.0	1000	1180	118	1070	107	70-130	10	20	mg/kg	07.11.2020 19:40	

Surrogate

	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	108		124		123		70-130	%	07.11.2020 19:40
o-Terphenyl	117		100		94		70-130	%	07.11.2020 19:40

Analytical Method: TPH By SW8015 Mod

Seq Number: 3131447

Matrix: Solid

MB Sample Id: 7707186-1-BLK

Prep Method: SW8015P

Date Prep: 07.10.2020

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	07.11.2020 19:21	

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

Vortec 22 #1 Battery

Analytical Method: TPH By SW8015 Mod

Seq Number: 3131447

Parent Sample Id: 666852-001

Matrix: Soil

MS Sample Id: 666852-001 S

Prep Method: SW8015P

Date Prep: 07.10.2020

MSD Sample Id: 666852-001 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	867	87	882	89	70-130	2	20	mg/kg	07.11.2020 20:37	
Diesel Range Organics (DRO)	<49.9	997	888	89	901	90	70-130	1	20	mg/kg	07.11.2020 20:37	

Surrogate

	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	122		123		70-130	%	07.11.2020 20:37
o-Terphenyl	114		117		70-130	%	07.11.2020 20:37

Analytical Method: BTEX by EPA 8021B

Seq Number: 3131350

MB Sample Id: 7707154-1-BLK

Matrix: Solid

LCS Sample Id: 7707154-1-BKS

Prep Method: SW5035A

Date Prep: 07.10.2020

LCSD Sample Id: 7707154-1-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	0.119	119	0.118	118	70-130	1	35	mg/kg	07.10.2020 08:46	
Toluene	<0.00200	0.100	0.109	109	0.110	110	70-130	1	35	mg/kg	07.10.2020 08:46	
Ethylbenzene	<0.00200	0.100	0.106	106	0.107	107	70-130	1	35	mg/kg	07.10.2020 08:46	
m,p-Xylenes	<0.00400	0.200	0.204	102	0.205	103	70-130	0	35	mg/kg	07.10.2020 08:46	
o-Xylene	<0.00200	0.100	0.102	102	0.102	102	70-130	0	35	mg/kg	07.10.2020 08:46	

Surrogate

	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	111		99		98		70-130	%	07.10.2020 08:46
4-Bromofluorobenzene	89		95		94		70-130	%	07.10.2020 08:46

Analytical Method: BTEX by EPA 8021B

Seq Number: 3131350

Parent Sample Id: 666718-001

Matrix: Soil

MS Sample Id: 666718-001 S

Prep Method: SW5035A

Date Prep: 07.10.2020

MSD Sample Id: 666718-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.0998	0.105	105	0.0978	98	70-130	7	35	mg/kg	07.10.2020 09:27	
Toluene	<0.00200	0.0998	0.0947	95	0.0872	87	70-130	8	35	mg/kg	07.10.2020 09:27	
Ethylbenzene	<0.00200	0.0998	0.0863	86	0.0782	78	70-130	10	35	mg/kg	07.10.2020 09:27	
m,p-Xylenes	<0.00399	0.200	0.164	82	0.149	75	70-130	10	35	mg/kg	07.10.2020 09:27	
o-Xylene	<0.00200	0.0998	0.0826	83	0.0748	75	70-130	10	35	mg/kg	07.10.2020 09:27	

Surrogate

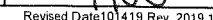
	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	100		103		70-130	%	07.10.2020 09:27
4-Bromofluorobenzene	96		96		70-130	%	07.10.2020 09:27

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



ORIGIN ID: H08A (575) 392-7550
MAIL SERVICES ETC., LLC
4008 N GRIMES
HOBBS, NM 88240
UNITED STATES US

SHIP DATE: 08 JUL 20
ACTING: 8:00 LB MON
CAD: 0909328/CAFE3211
DIMS: 14x1x10 IN
BILL RECIPIENT

TO XENCO LABORATORIES HOLD FOR PICK UP
FEDEX EXPRESS SHIP CENTER
3600 COUNTY ROAD 1276 SOUTH
MIDLAND TX 79711

(432) 563-1800
INV. POI

TRK# 4705 2523 9662
0201

41 MAFA

THU - 09 JUL HOLD
PRIORITY OVERNIGHT
MAFA HLD
TX-US LBB

FedEx Express

551C217817104C

110509091111111

110509091111111

Eurofins Xenco, LLC

Prelogin/Nonconformance Report- Sample Log-In

Client: Trinity Oilfield Services & Rentals, LLC**Date/ Time Received:** 07.09.2020 11.00.00 AM**Work Order #:** 666718**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)?	1.5
#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?	Yes
#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: 07.09.2020

Checklist reviewed by:

Holly Taylor

Date: 07.10.2020



Xenco

Certificate of Analysis Summary 666852

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: Vortec 22 #1 Battery

Project Id:

Contact: Ben Arguijo

Project Location: Lea County, New Mexico

Date Received in Lab: Fri 07.10.2020 11:30

Report Date: 07.17.2020 11:38

Project Manager: Holly Taylor

<i>Analysis Requested</i>	<i>Lab Id:</i>	666852-001	666852-002	666852-003	666852-004	666852-005	
	<i>Field Id:</i>	GA-5 Floor Composite	GA-6 Floor Composite	GA-7 Floor Composite	GA-8 Floor Composite	GA-9 Floor Composite	
	<i>Depth:</i>						
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	
	<i>Sampled:</i>	07.09.2020 11:00	07.09.2020 11:05	07.09.2020 11:10	07.09.2020 11:15	07.09.2020 11:20	
BTEX by EPA 8021B	<i>Extracted:</i>	07.10.2020 17:00	07.10.2020 17:00	07.10.2020 17:00	07.10.2020 17:00	07.10.2020 17:00	
	<i>Analyzed:</i>	07.11.2020 10:50	07.11.2020 11:10	07.11.2020 11:31	07.11.2020 11:51	07.11.2020 12:12	
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	
Benzene		<0.00199 0.00199	<0.00200 0.00200	<0.00201 0.00201	<0.00201 0.00201	<0.00199 0.00199	
Toluene		<0.00199 0.00199	<0.00200 0.00200	0.00348 0.00201	<0.00201 0.00201	<0.00199 0.00199	
Ethylbenzene		<0.00199 0.00199	<0.00200 0.00200	<0.00201 0.00201	<0.00201 0.00201	<0.00199 0.00199	
m,p-Xylenes		<0.00398 0.00398	<0.00399 0.00399	<0.00402 0.00402	<0.00402 0.00402	<0.00398 0.00398	
o-Xylene		<0.00199 0.00199	<0.00200 0.00200	<0.00201 0.00201	<0.00201 0.00201	<0.00199 0.00199	
Total Xylenes		<0.00199 0.00199	<0.00200 0.00200	<0.00201 0.00201	<0.00201 0.00201	<0.00199 0.00199	
Total BTEX		<0.00199 0.00199	<0.00200 0.00200	0.00348 0.00201	<0.00201 0.00201	<0.00199 0.00199	
Chloride by EPA 300	<i>Extracted:</i>	07.13.2020 10:30	07.13.2020 10:30	07.13.2020 10:30	07.13.2020 10:30	07.13.2020 10:30	
	<i>Analyzed:</i>	07.13.2020 15:05	07.13.2020 15:10	07.13.2020 15:15	07.13.2020 15:20	07.13.2020 15:25	
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	
Chloride		121 4.98	42.9 4.95	340 25.2	77.6 5.00	225 5.00	
TPH By SW8015 Mod	<i>Extracted:</i>	07.10.2020 17:00	07.10.2020 17:00	07.10.2020 17:00	07.10.2020 17:00	07.10.2020 17:00	
	<i>Analyzed:</i>	07.11.2020 20:18	07.11.2020 21:15	07.11.2020 21:34	07.11.2020 21:53	07.11.2020 22:12	
	<i>Units/RL:</i>	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	<50.0 50.0	<49.9 49.9	<49.8 49.8	
Diesel Range Organics (DRO)		<50.0 50.0	<50.0 50.0	<50.0 50.0	<49.9 49.9	<49.8 49.8	
Motor Oil Range Hydrocarbons (MRO)		<50.0 50.0	<50.0 50.0	<50.0 50.0	<49.9 49.9	<49.8 49.8	
Total TPH		<50.0 50.0	<50.0 50.0	<50.0 50.0	<49.9 49.9	<49.8 49.8	

BRL - Below Reporting Limit

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



Xenco

Analytical Report 666852

for

Trinity Oilfield Services & Rentals, LLC

Project Manager: Ben Arguijo

Vortec 22 #1 Battery

07.17.2020

Collected By: Client



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

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-20-36), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)
Oklahoma (2019-058), North Carolina (681), Arkansas (20-035-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-20-25), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-17)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-22)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-19-19)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-7)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)
Xenco-Tampa: Florida (E87429), North Carolina (483)



07.17.2020

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

Reference: Eurofins Xenco, LLC Report No(s): **666852**
Vortec 22 #1 Battery
Project Address: Lea County, New Mexico

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) 666852. 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. 666852 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,

A handwritten signature in black ink that reads "Holly Taylor".

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 666852****Trinity Oilfield Services & Rentals, LLC, Hobbs, NM**

Vortec 22 #1 Battery

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
GA-5 Floor Composite	S	07.09.2020 11:00		666852-001
GA-6 Floor Composite	S	07.09.2020 11:05		666852-002
GA-7 Floor Composite	S	07.09.2020 11:10		666852-003
GA-8 Floor Composite	S	07.09.2020 11:15		666852-004
GA-9 Floor Composite	S	07.09.2020 11:20		666852-005

**CASE NARRATIVE****Client Name: Trinity Oilfield Services & Rentals, LLC****Project Name: Vortec 22 #1 Battery**Project ID:
Work Order Number(s): 666852Report Date: 07.17.2020
Date Received: 07.10.2020**Sample receipt non conformances and comments:**

7/10/2020 Per Ben Arguijo, change all "SP" on the Sample IDs to "GA" (phone). HT

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3131373 BTEX by EPA 8021B

Lab Sample ID 666852-001 was randomly selected for Matrix Spike/Matrix Spike Duplicate (MS/MSD). Benzene, Ethylbenzene, Toluene, m,p-Xylenes, o-Xylene recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate. Outlier/s are due to possible matrix interference. Samples in the analytical batch are: 666852-001, -002, -003, -004, -005.

The Laboratory Control Sample for Toluene, Benzene, m,p-Xylenes, Ethylbenzene, o-Xylene is within laboratory Control Limits, therefore the data was accepted.



Certificate of Analytical Results 666852

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-5 Floor Composite**

Matrix: Soil

Date Received: 07.10.2020 11:30

Lab Sample Id: 666852-001

Date Collected: 07.09.2020 11:00

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 07.13.2020 10:30

Basis: Wet Weight

Seq Number: 3131500

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	121	4.98	mg/kg	07.13.2020 15:05		1

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 07.10.2020 17:00

Basis: Wet Weight

Seq Number: 3131447

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	07.11.2020 20:18	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	07.11.2020 20:18	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	07.11.2020 20:18	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	07.11.2020 20:18	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	116	%	70-130	07.11.2020 20:18	
o-Terphenyl	84-15-1	121	%	70-130	07.11.2020 20:18	



Certificate of Analytical Results 666852

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-5 Floor Composite**

Matrix: Soil

Date Received: 07.10.2020 11:30

Lab Sample Id: 666852-001

Date Collected: 07.09.2020 11:00

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: AMF

% Moisture:

Analyst: AMF

Date Prep: 07.10.2020 17:00

Basis: Wet Weight

Seq Number: 3131373

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	07.11.2020 10:50	UX	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	07.11.2020 10:50	UX	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	07.11.2020 10:50	UX	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	07.11.2020 10:50	UX	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	07.11.2020 10:50	UX	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	07.11.2020 10:50	U	1
Total BTEX		<0.00199	0.00199	mg/kg	07.11.2020 10:50	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	112	%	70-130	07.11.2020 10:50		
4-Bromofluorobenzene	460-00-4	109	%	70-130	07.11.2020 10:50		



Certificate of Analytical Results 666852

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-6 Floor Composite**

Matrix: Soil

Date Received: 07.10.2020 11:30

Lab Sample Id: 666852-002

Date Collected: 07.09.2020 11:05

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 07.13.2020 10:30

Basis: Wet Weight

Seq Number: 3131500

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	42.9	4.95	mg/kg	07.13.2020 15:10		1

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 07.10.2020 17:00

Basis: Wet Weight

Seq Number: 3131447

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	07.11.2020 21:15	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	07.11.2020 21:15	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	07.11.2020 21:15	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	07.11.2020 21:15	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	107	%	70-130	07.11.2020 21:15	
o-Terphenyl	84-15-1	114	%	70-130	07.11.2020 21:15	



Certificate of Analytical Results 666852

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-6 Floor Composite**

Matrix: Soil

Date Received: 07.10.2020 11:30

Lab Sample Id: 666852-002

Date Collected: 07.09.2020 11:05

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: AMF

% Moisture:

Analyst: AMF

Date Prep: 07.10.2020 17:00

Basis: Wet Weight

Seq Number: 3131373

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	07.11.2020 11:10	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	07.11.2020 11:10	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	07.11.2020 11:10	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	07.11.2020 11:10	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	07.11.2020 11:10	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	07.11.2020 11:10	U	1
Total BTEX		<0.00200	0.00200	mg/kg	07.11.2020 11:10	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	100	%	70-130	07.11.2020 11:10		
1,4-Difluorobenzene	540-36-3	115	%	70-130	07.11.2020 11:10		



Certificate of Analytical Results 666852

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-7 Floor Composite**

Matrix: Soil

Date Received: 07.10.2020 11:30

Lab Sample Id: 666852-003

Date Collected: 07.09.2020 11:10

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 07.13.2020 10:30

Basis: Wet Weight

Seq Number: 3131500

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	340	25.2	mg/kg	07.13.2020 15:15		5

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 07.10.2020 17:00

Basis: Wet Weight

Seq Number: 3131447

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	07.11.2020 21:34	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	07.11.2020 21:34	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	07.11.2020 21:34	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	07.11.2020 21:34	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	109	%	70-130	07.11.2020 21:34	
o-Terphenyl	84-15-1	114	%	70-130	07.11.2020 21:34	



Certificate of Analytical Results 666852

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-7 Floor Composite**

Matrix: Soil

Date Received: 07.10.2020 11:30

Lab Sample Id: 666852-003

Date Collected: 07.09.2020 11:10

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: AMF

% Moisture:

Analyst: AMF

Date Prep: 07.10.2020 17:00

Basis: Wet Weight

Seq Number: 3131373

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	07.11.2020 11:31	U	1
Toluene	108-88-3	0.00348	0.00201	mg/kg	07.11.2020 11:31		1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	07.11.2020 11:31	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	07.11.2020 11:31	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	07.11.2020 11:31	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	07.11.2020 11:31	U	1
Total BTEX		0.00348	0.00201	mg/kg	07.11.2020 11:31		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	109	%	70-130	07.11.2020 11:31		
1,4-Difluorobenzene	540-36-3	112	%	70-130	07.11.2020 11:31		



Certificate of Analytical Results 666852

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-8 Floor Composite**

Matrix: Soil

Date Received: 07.10.2020 11:30

Lab Sample Id: 666852-004

Date Collected: 07.09.2020 11:15

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 07.13.2020 10:30

Basis: Wet Weight

Seq Number: 3131500

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	77.6	5.00	mg/kg	07.13.2020 15:20		1

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 07.10.2020 17:00

Basis: Wet Weight

Seq Number: 3131447

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	07.11.2020 21:53	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	07.11.2020 21:53	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	07.11.2020 21:53	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	07.11.2020 21:53	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	108	%	70-130	07.11.2020 21:53	
o-Terphenyl	84-15-1	112	%	70-130	07.11.2020 21:53	



Certificate of Analytical Results 666852

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-8 Floor Composite**

Matrix: Soil

Date Received: 07.10.2020 11:30

Lab Sample Id: 666852-004

Date Collected: 07.09.2020 11:15

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: AMF

% Moisture:

Analyst: AMF

Date Prep: 07.10.2020 17:00

Basis: Wet Weight

Seq Number: 3131373

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	07.11.2020 11:51	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	07.11.2020 11:51	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	07.11.2020 11:51	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	07.11.2020 11:51	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	07.11.2020 11:51	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	07.11.2020 11:51	U	1
Total BTEX		<0.00201	0.00201	mg/kg	07.11.2020 11:51	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	105	%	70-130	07.11.2020 11:51		
1,4-Difluorobenzene	540-36-3	110	%	70-130	07.11.2020 11:51		



Certificate of Analytical Results 666852

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-9 Floor Composite**

Matrix: Soil

Date Received: 07.10.2020 11:30

Lab Sample Id: 666852-005

Date Collected: 07.09.2020 11:20

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 07.13.2020 10:30

Basis: Wet Weight

Seq Number: 3131500

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	225	5.00	mg/kg	07.13.2020 15:25		1

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 07.10.2020 17:00

Basis: Wet Weight

Seq Number: 3131447

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	07.11.2020 22:12	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	07.11.2020 22:12	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	07.11.2020 22:12	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	07.11.2020 22:12	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	113	%	70-130	07.11.2020 22:12	
o-Terphenyl	84-15-1	121	%	70-130	07.11.2020 22:12	



Certificate of Analytical Results 666852

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-9 Floor Composite**

Matrix: Soil

Date Received: 07.10.2020 11:30

Lab Sample Id: 666852-005

Date Collected: 07.09.2020 11:20

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: AMF

% Moisture:

Analyst: AMF

Date Prep: 07.10.2020 17:00

Basis: Wet Weight

Seq Number: 3131373

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	07.11.2020 12:12	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	07.11.2020 12:12	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	07.11.2020 12:12	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	07.11.2020 12:12	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	07.11.2020 12:12	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	07.11.2020 12:12	U	1
Total BTEX		<0.00199	0.00199	mg/kg	07.11.2020 12:12	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	109	%	70-130	07.11.2020 12:12		
1,4-Difluorobenzene	540-36-3	110	%	70-130	07.11.2020 12:12		

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



Xenco

QC Summary 666852

Trinity Oilfield Services & Rentals, LLC

Vortec 22 #1 Battery

Analytical Method: Chloride by EPA 300

Seq Number: 3131500

MB Sample Id: 7707209-1-BLK

Matrix: Solid

LCS Sample Id: 7707209-1-BKS

Prep Method: E300P

Date Prep: 07.13.2020

LCSD Sample Id: 7707209-1-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	252	101	255	102	90-110	1	20	mg/kg	07.13.2020 13:04	

Analytical Method: Chloride by EPA 300

Seq Number: 3131500

Parent Sample Id: 666431-001

Matrix: Soil

MS Sample Id: 666431-001 S

Prep Method: E300P

Date Prep: 07.13.2020

MSD Sample Id: 666431-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	248	249	494	99	500	101	90-110	1	20	mg/kg	07.13.2020 13:19	

Analytical Method: Chloride by EPA 300

Seq Number: 3131500

Parent Sample Id: 666718-004

Matrix: Soil

MS Sample Id: 666718-004 S

Prep Method: E300P

Date Prep: 07.13.2020

MSD Sample Id: 666718-004 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	140	250	399	104	408	107	90-110	2	20	mg/kg	07.13.2020 14:30	

Analytical Method: TPH By SW8015 Mod

Seq Number: 3131447

MB Sample Id: 7707186-1-BLK

Matrix: Solid

LCS Sample Id: 7707186-1-BKS

Prep Method: SW8015P

Date Prep: 07.10.2020

LCSD Sample Id: 7707186-1-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	1130	113	1050	105	70-130	7	20	mg/kg	07.11.2020 19:40	
Diesel Range Organics (DRO)	<50.0	1000	1180	118	1070	107	70-130	10	20	mg/kg	07.11.2020 19:40	

Surrogate

	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	108		124		123		70-130	%	07.11.2020 19:40
o-Terphenyl	117		100		94		70-130	%	07.11.2020 19:40

Analytical Method: TPH By SW8015 Mod

Seq Number: 3131447

Matrix: Solid

MB Sample Id: 7707186-1-BLK

Prep Method: SW8015P

Date Prep: 07.10.2020

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	07.11.2020 19:21	

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

Vortec 22 #1 Battery

Analytical Method: TPH By SW8015 Mod

Seq Number: 3131447

Parent Sample Id: 666852-001

Matrix: Soil

MS Sample Id: 666852-001 S

Prep Method: SW8015P

Date Prep: 07.10.2020

MSD Sample Id: 666852-001 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	867	87	882	89	70-130	2	20	mg/kg	07.11.2020 20:37	
Diesel Range Organics (DRO)	<49.9	997	888	89	901	90	70-130	1	20	mg/kg	07.11.2020 20:37	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	122		123		70-130	%	07.11.2020 20:37
o-Terphenyl	114		117		70-130	%	07.11.2020 20:37

Analytical Method: BTEX by EPA 8021B

Seq Number: 3131373

MB Sample Id: 7707168-1-BLK

Matrix: Solid

LCS Sample Id: 7707168-1-BKS

Prep Method: SW5035A

Date Prep: 07.10.2020

LCSD Sample Id: 7707168-1-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	0.112	112	0.102	102	70-130	9	35	mg/kg	07.11.2020 08:46	
Toluene	<0.00200	0.100	0.103	103	0.0942	94	70-130	9	35	mg/kg	07.11.2020 08:46	
Ethylbenzene	<0.00200	0.100	0.0997	100	0.0903	90	70-130	10	35	mg/kg	07.11.2020 08:46	
m,p-Xylenes	<0.00400	0.200	0.192	96	0.173	87	70-130	10	35	mg/kg	07.11.2020 08:46	
o-Xylene	<0.00200	0.100	0.0989	99	0.0888	89	70-130	11	35	mg/kg	07.11.2020 08:46	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	106		98		97		70-130	%	07.11.2020 08:46
4-Bromofluorobenzene	97		99		92		70-130	%	07.11.2020 08:46

Analytical Method: BTEX by EPA 8021B

Seq Number: 3131373

Parent Sample Id: 666852-001

Matrix: Soil

MS Sample Id: 666852-001 S

Prep Method: SW5035A

Date Prep: 07.10.2020

MSD Sample Id: 666852-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00198	0.0992	0.0672	68	0.0599	60	70-130	11	35	mg/kg	07.11.2020 09:27	X
Toluene	<0.00198	0.0992	0.0573	58	0.0493	50	70-130	15	35	mg/kg	07.11.2020 09:27	X
Ethylbenzene	<0.00198	0.0992	0.0583	59	0.0529	53	70-130	10	35	mg/kg	07.11.2020 09:27	X
m,p-Xylenes	<0.00397	0.198	0.108	55	0.0979	49	70-130	10	35	mg/kg	07.11.2020 09:27	X
o-Xylene	<0.00198	0.0992	0.0574	58	0.0541	54	70-130	6	35	mg/kg	07.11.2020 09:27	X

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	102		103		70-130	%	07.11.2020 09:27
4-Bromofluorobenzene	98		99		70-130	%	07.11.2020 09:27

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:

Page 1 of 1

Project Manager:	Ben J. Arguijo	Bill to: (if different)	Wade Dittrich
Company Name:	Trinity Oilfield Services & Rentals, LLC	Company Name:	OXY USA, Inc.
Address:	8426 N. Dal Paso	Address:	
City, State ZIP:	Hobbs, NM 88242	City, State ZIP:	
Phone:	(575)390-7208	Email:	Wade.Dittrich@oxy.com & ben@trinityoilfieldservices.com

www.xenco.com Page 1 of 1

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ 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
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	
1			2		
3			4		
5			6		

ORIGIN ID: H0BA (575) 392-7550

** MAIL SERVICES ETC, LLC
4008 N GRIMESHOBBS, NM 88240
UNITED STATES USSHIP DATE: 09JUL20
ACTWGT: 14.00 LB MAN
CAD: 0909328/CAFE3211
DIMS: 17x17x14 IN

BILL RECIPIENT

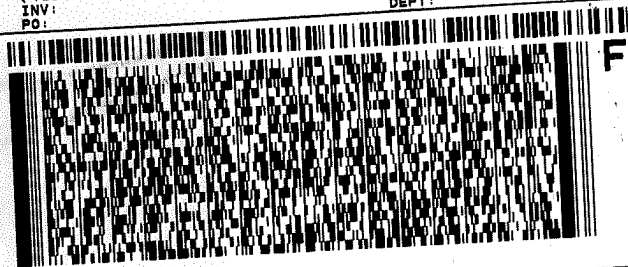
TO XENCO LABORATORIES HOLD FOR PICK UP
FEDEX EXPRESS SHIP CENTER
FEDEX EXPRESS SHIP CENTER
3600 COUNTY ROAD 1276 SOUTH

MIDLAND TX 79711

(432) 563-1800

REF:

DEPT:

INV:
PO:FedEx
Express

J1811188685810V

TRK# 4705 2523 9732

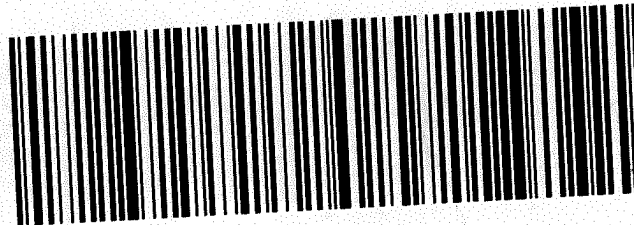
0201

FRI - 10 JUL HOLD
PRIORITY OVERNIGHT
HLD

41 MAFA

MAFA
TX-US LBB

Psn 5 155148-434 FRT EXP 01/21 *



Eurofins Xenco, LLC

Prelogin/Nonconformance Report- Sample Log-In

Client: Trinity Oilfield Services & Rentals, LLC

Date/ Time Received: 07.10.2020 11.30.00 AM

Work Order #: 666852

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)?	.5
#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 BTEX was in bulk container
#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: 07.10.2020

Checklist reviewed by:



Holly Taylor

Date: 07.10.2020

Certificate of Analysis Summary 667184

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: Vortec 22 #1 Battery

Project Id:

Date Received in Lab: Wed 07.15.2020 11:15

Contact: Ben Arguijo

Report Date: 07.24.2020 15:35

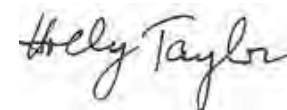
Project Location: Lea County, New Mexico

Project Manager: Holly Taylor

Analysis Requested	Lab Id:	667184-001	667184-002	667184-003			
	Field Id:	GA-35 Floor Composite	GA-37 Floor Composite	GA-38 Floor Composite			
	Depth:						
	Matrix:	SOIL	SOIL	SOIL			
	Sampled:	07.13.2020 10:00	07.13.2020 10:05	07.13.2020 10:10			
BTEX by EPA 8021B	Extracted:	07.23.2020 15:30	07.23.2020 15:30	07.23.2020 15:30			
	Analyzed:	07.23.2020 20:29	07.23.2020 20:49	07.23.2020 21:10			
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL			
Benzene		<0.00201 0.00201	<0.00200 0.00200	<0.00202 0.00202			
Toluene		<0.00201 0.00201	<0.00200 0.00200	<0.00202 0.00202			
Ethylbenzene		<0.00201 0.00201	<0.00200 0.00200	<0.00202 0.00202			
m,p-Xylenes		<0.00402 0.00402	<0.00401 0.00401	<0.00404 0.00404			
o-Xylene		<0.00201 0.00201	<0.00200 0.00200	<0.00202 0.00202			
Total Xylenes		<0.00201 0.00201	<0.00200 0.00200	<0.00202 0.00202			
Total BTEX		<0.00201 0.00201	<0.00200 0.00200	<0.00202 0.00202			
Chloride by EPA 300	Extracted:	07.20.2020 08:30	07.20.2020 08:30	07.20.2020 08:30			
	Analyzed:	07.20.2020 12:20	07.20.2020 12:27	07.20.2020 12:33			
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL			
Chloride		901 4.98	5450 50.3	1030 25.2			
TPH By SW8015 Mod	Extracted:	07.16.2020 12:00	07.16.2020 12:00	07.15.2020 16:30			
	Analyzed:	07.16.2020 12:38	07.16.2020 13:43	07.15.2020 20:47			
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL			
Gasoline Range Hydrocarbons (GRO)		<50.0 50.0	<49.8 49.8	<49.9 49.9			
Diesel Range Organics (DRO)		<50.0 50.0	<49.8 49.8	<49.9 49.9			
Motor Oil Range Hydrocarbons (MRO)		<50.0 50.0	<49.8 49.8	<49.9 49.9			
Total TPH		<50.0 50.0	<49.8 49.8	<49.9 49.9			

BRL - Below Reporting Limit

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



Analytical Report 667184

for

Trinity Oilfield Services & Rentals, LLC

Project Manager: Ben Arguijo

Vortec 22 #1 Battery

07.24.2020

Collected By: Client



1211 W. Florida Ave
Midland TX 79701

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-20-36), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)
Oklahoma (2019-058), North Carolina (681), Arkansas (20-035-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-20-25), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-17)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-22)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-19-19)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-7)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)
Xenco-Tampa: Florida (E87429), North Carolina (483)



07.24.2020

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

Reference: Eurofins Xenco, LLC Report No(s): **667184**
Vortec 22 #1 Battery
Project Address: Lea County, New Mexico

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) 667184. 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. 667184 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,

A handwritten signature in black ink that reads "Holly Taylor".

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 667184****Trinity Oilfield Services & Rentals, LLC, Hobbs, NM**

Vortec 22 #1 Battery

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
GA-35 Floor Composite	S	07.13.2020 10:00		667184-001
GA-37 Floor Composite	S	07.13.2020 10:05		667184-002
GA-38 Floor Composite	S	07.13.2020 10:10		667184-003



CASE NARRATIVE

Client Name: Trinity Oilfield Services & Rentals, LLC

Project Name: Vortec 22 #1 Battery

Project ID:

Work Order Number(s): 667184

Report Date: 07.24.2020

Date Received: 07.15.2020

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None



Certificate of Analytical Results 667184

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-35 Floor Composite**

Matrix: Soil

Date Received: 07.15.2020 11:15

Lab Sample Id: 667184-001

Date Collected: 07.13.2020 10:00

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 07.20.2020 08:30

Basis: Wet Weight

Seq Number: 3132151

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	901	4.98	mg/kg	07.20.2020 12:20		1

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 07.16.2020 12:00

Basis: Wet Weight

Seq Number: 3131955

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	07.16.2020 12:38	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	07.16.2020 12:38	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	07.16.2020 12:38	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	07.16.2020 12:38	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	96	%	70-130	07.16.2020 12:38	
o-Terphenyl	84-15-1	101	%	70-130	07.16.2020 12:38	



Certificate of Analytical Results 667184

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-35 Floor Composite**

Matrix: Soil

Date Received: 07.15.2020 11:15

Lab Sample Id: 667184-001

Date Collected: 07.13.2020 10:00

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 07.23.2020 15:30

Basis: Wet Weight

Seq Number: 3132552

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	07.23.2020 20:29	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	07.23.2020 20:29	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	07.23.2020 20:29	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	07.23.2020 20:29	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	07.23.2020 20:29	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	07.23.2020 20:29	U	1
Total BTEX		<0.00201	0.00201	mg/kg	07.23.2020 20:29	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	107	%	70-130	07.23.2020 20:29		
4-Bromofluorobenzene	460-00-4	117	%	70-130	07.23.2020 20:29		



Certificate of Analytical Results 667184

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-37 Floor Composite**

Matrix: Soil

Date Received: 07.15.2020 11:15

Lab Sample Id: 667184-002

Date Collected: 07.13.2020 10:05

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 07.20.2020 08:30

Basis: Wet Weight

Seq Number: 3132151

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	5450	50.3	mg/kg	07.20.2020 12:27		10

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 07.16.2020 12:00

Basis: Wet Weight

Seq Number: 3131955

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	07.16.2020 13:43	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	07.16.2020 13:43	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	07.16.2020 13:43	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	07.16.2020 13:43	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	100	%	70-130	07.16.2020 13:43	
o-Terphenyl	84-15-1	106	%	70-130	07.16.2020 13:43	



Certificate of Analytical Results 667184

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-37 Floor Composite**

Matrix: Soil

Date Received: 07.15.2020 11:15

Lab Sample Id: 667184-002

Date Collected: 07.13.2020 10:05

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 07.23.2020 15:30

Basis: Wet Weight

Seq Number: 3132552

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	07.23.2020 20:49	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	07.23.2020 20:49	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	07.23.2020 20:49	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	07.23.2020 20:49	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	07.23.2020 20:49	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	07.23.2020 20:49	U	1
Total BTEX		<0.00200	0.00200	mg/kg	07.23.2020 20:49	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	121	%	70-130	07.23.2020 20:49		
1,4-Difluorobenzene	540-36-3	107	%	70-130	07.23.2020 20:49		



Certificate of Analytical Results 667184

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-38 Floor Composite**

Matrix: Soil

Date Received: 07.15.2020 11:15

Lab Sample Id: 667184-003

Date Collected: 07.13.2020 10:10

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 07.20.2020 08:30

Basis: Wet Weight

Seq Number: 3132151

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	1030	25.2	mg/kg	07.20.2020 12:33		5

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 07.15.2020 16:30

Basis: Wet Weight

Seq Number: 3131827

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	07.15.2020 20:47	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	07.15.2020 20:47	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	07.15.2020 20:47	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	07.15.2020 20:47	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	86	%	70-130	07.15.2020 20:47	
o-Terphenyl	84-15-1	88	%	70-130	07.15.2020 20:47	



Certificate of Analytical Results 667184

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-38 Floor Composite**

Matrix: Soil

Date Received: 07.15.2020 11:15

Lab Sample Id: 667184-003

Date Collected: 07.13.2020 10:10

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 07.23.2020 15:30

Basis: Wet Weight

Seq Number: 3132552

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	07.23.2020 21:10	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	07.23.2020 21:10	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	07.23.2020 21:10	U	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	07.23.2020 21:10	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	07.23.2020 21:10	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	07.23.2020 21:10	U	1
Total BTEX		<0.00202	0.00202	mg/kg	07.23.2020 21:10	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	105	%	70-130	07.23.2020 21:10		
4-Bromofluorobenzene	460-00-4	119	%	70-130	07.23.2020 21:10		



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

Vortec 22 #1 Battery

Analytical Method: Chloride by EPA 300

Seq Number: 3132151

MB Sample Id: 7707634-1-BLK

Matrix: Solid

LCS Sample Id: 7707634-1-BKS

Prep Method: E300P

Date Prep: 07.20.2020

LCSD Sample Id: 7707634-1-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	245	98	246	98	90-110	0	20	mg/kg	07.20.2020 09:41	

Analytical Method: Chloride by EPA 300

Seq Number: 3132151

Parent Sample Id: 667178-028

Matrix: Soil

MS Sample Id: 667178-028 S

Prep Method: E300P

Date Prep: 07.20.2020

MSD Sample Id: 667178-028 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	539	252	767	90	773	93	90-110	1	20	mg/kg	07.20.2020 09:59	

Analytical Method: Chloride by EPA 300

Seq Number: 3132151

Parent Sample Id: 667249-001

Matrix: Soil

MS Sample Id: 667249-001 S

Prep Method: E300P

Date Prep: 07.20.2020

MSD Sample Id: 667249-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	383	249	617	94	617	94	90-110	0	20	mg/kg	07.20.2020 11:25	

Analytical Method: TPH By SW8015 Mod

Seq Number: 3131827

MB Sample Id: 7707430-1-BLK

Matrix: Solid

LCS Sample Id: 7707430-1-BKS

Prep Method: SW8015P

Date Prep: 07.15.2020

LCSD Sample Id: 7707430-1-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	958	96	888	89	70-130	8	20	mg/kg	07.15.2020 12:07	
Diesel Range Organics (DRO)	<50.0	1000	1010	101	904	90	70-130	11	20	mg/kg	07.15.2020 12:07	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	87		97		89		70-130	%	07.15.2020 12:07
o-Terphenyl	96		105		95		70-130	%	07.15.2020 12:07

Analytical Method: TPH By SW8015 Mod

Seq Number: 3131955

MB Sample Id: 7707520-1-BLK

Matrix: Solid

LCS Sample Id: 7707520-1-BKS

Prep Method: SW8015P

Date Prep: 07.16.2020

LCSD Sample Id: 7707520-1-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	885	89	939	94	70-130	6	20	mg/kg	07.16.2020 11:54	
Diesel Range Organics (DRO)	<50.0	1000	981	98	1000	100	70-130	2	20	mg/kg	07.16.2020 11:54	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	102		99		102		70-130	%	07.16.2020 11:54
o-Terphenyl	111		100		105		70-130	%	07.16.2020 11:54

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

Vortec 22 #1 Battery

Analytical Method: TPH By SW8015 Mod

Seq Number: 3131827

Matrix: Solid

Prep Method: SW8015P

Date Prep: 07.15.2020

MB Sample Id: 7707430-1-BLK

Parameter

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	07.15.2020 11:46	

Analytical Method: TPH By SW8015 Mod

Seq Number: 3131955

Matrix: Solid

Prep Method: SW8015P

Date Prep: 07.16.2020

MB Sample Id: 7707520-1-BLK

Parameter

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	07.16.2020 11:33	

Analytical Method: TPH By SW8015 Mod

Seq Number: 3131827

Matrix: Soil

Prep Method: SW8015P

Date Prep: 07.15.2020

Parent Sample Id: 667044-023

MS Sample Id: 667044-023 S

MSD Sample Id: 667044-023 SD

Parameter

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	911	91	884	89	70-130	3	20	mg/kg	07.15.2020 13:12	
Diesel Range Organics (DRO)	<49.9	997	948	95	943	95	70-130	1	20	mg/kg	07.15.2020 13:12	

Surrogate

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	92		91		70-130	%	07.15.2020 13:12
o-Terphenyl	95		91		70-130	%	07.15.2020 13:12

Analytical Method: TPH By SW8015 Mod

Seq Number: 3131955

Matrix: Soil

Prep Method: SW8015P

Date Prep: 07.16.2020

Parent Sample Id: 667184-001

MS Sample Id: 667184-001 S

MSD Sample Id: 667184-001 SD

Parameter

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	959	96	949	95	70-130	1	20	mg/kg	07.16.2020 13:00	
Diesel Range Organics (DRO)	<49.9	997	1050	105	1040	104	70-130	1	20	mg/kg	07.16.2020 13:00	

Surrogate

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	106		104		70-130	%	07.16.2020 13:00
o-Terphenyl	103		101		70-130	%	07.16.2020 13:00

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

Vortec 22 #1 Battery

Analytical Method: BTEX by EPA 8021B

Seq Number: 3132552

MB Sample Id: 7707987-1-BLK

Matrix: Solid

LCS Sample Id: 7707987-1-BKS

Prep Method: SW5035A

Date Prep: 07.23.2020

LCSD Sample Id: 7707987-1-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	0.113	113	0.115	115	70-130	2	35	mg/kg	07.24.2020 09:32	
Toluene	<0.00200	0.100	0.109	109	0.108	108	70-130	1	35	mg/kg	07.24.2020 09:32	
Ethylbenzene	<0.00200	0.100	0.108	108	0.107	107	70-130	1	35	mg/kg	07.24.2020 09:32	
m,p-Xylenes	<0.00400	0.200	0.209	105	0.207	104	70-130	1	35	mg/kg	07.24.2020 09:32	
o-Xylene	<0.00200	0.100	0.0992	99	0.0986	99	70-130	1	35	mg/kg	07.24.2020 09:32	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	106		93		99		70-130	%	07.24.2020 09:32
4-Bromofluorobenzene	102		94		101		70-130	%	07.24.2020 09:32

Analytical Method: BTEX by EPA 8021B

Seq Number: 3132552

Parent Sample Id: 667249-001

Matrix: Soil

MS Sample Id: 667249-001 S

Prep Method: SW5035A

Date Prep: 07.23.2020

MSD Sample Id: 667249-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00198	0.0990	0.0835	84	0.0822	83	70-130	2	35	mg/kg	07.23.2020 18:04	
Toluene	<0.00198	0.0990	0.0696	70	0.0685	69	70-130	2	35	mg/kg	07.23.2020 18:04	X
Ethylbenzene	<0.00198	0.0990	0.0601	61	0.0580	58	70-130	4	35	mg/kg	07.23.2020 18:04	X
m,p-Xylenes	<0.00396	0.198	0.115	58	0.111	56	70-130	4	35	mg/kg	07.23.2020 18:04	X
o-Xylene	<0.00198	0.0990	0.0584	59	0.0567	57	70-130	3	35	mg/kg	07.23.2020 18:04	X

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	102		103		70-130	%	07.23.2020 18:04
4-Bromofluorobenzene	99		102		70-130	%	07.23.2020 18:04

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

Revised Date 10/19/2019 Rev. 2019.

ORIGIN ID: H0BA (5/5) 332-1550
SHIP DATE: 14 JUL 20
ACTWGT: 13.00 LB MAN
CAD: 0103352/CAFE3313
DIMS: 18x16x12 IN
BILL THIRD PARTY

* MAIL SERVICES ETC
4008 N GRIMES
HOBBS, NM 88240
UNITED STATES US

TO XENCO HOLD FOR PICKUP
FEDEX EXPRESS SHIP CENTER
FEDEX EXPRESS SHIP CENTER
3600 COUNTY ROAD 1276 SOUTH

MIDLAND TX 79711
REF: DEPT:
(432) 704-5440
INV:
PO:



WED - 15 JUL HOLD
PRIORITY OVERNIGHT
HLD
MAFA
TX-US LBB

TRK# 9061 5134 5375
0201

41 MAFA



Eurofins Xenco, LLC

Prelogin/Nonconformance Report- Sample Log-In

Client: Trinity Oilfield Services & Rentals, LLC**Date/ Time Received:** 07.15.2020 11.15.00 AM**Work Order #:** 667184**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)?	1.2
#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: 07.15.2020

Checklist reviewed by:

Holly Taylor

Date: 07.20.2020

Certificate of Analysis Summary 667249



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: Vortec 22 #1 Battery

Project Id:

Date Received in Lab: Wed 07.15.2020 11:15

Contact: Ben Arguijo

Report Date: 07.24.2020 15:32

Project Location: Lea County, New Mexico

Project Manager: Holly Taylor

Analysis Requested	Lab Id:	667249-001	667249-002	667249-003			
	Field Id:	GA-10 Floor Composite	GA-11 Floor Composite	GA-12 Floor Composite			
	Depth:						
	Matrix:	SOIL	SOIL	SOIL			
	Sampled:	07.14.2020 13:30	07.14.2020 13:35	07.14.2020 13:40			
BTEX by EPA 8021B	Extracted:	07.23.2020 15:30	07.23.2020 15:30	07.23.2020 15:30			
	Analyzed:	07.23.2020 19:27	07.23.2020 19:47	07.23.2020 20:08			
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL			
Benzene		<0.00200 0.00200	<0.00199 0.00199	<0.00198 0.00198			
Toluene		<0.00200 0.00200	<0.00199 0.00199	<0.00198 0.00198			
Ethylbenzene		<0.00200 0.00200	<0.00199 0.00199	<0.00198 0.00198			
m,p-Xylenes		<0.00399 0.00399	<0.00398 0.00398	<0.00396 0.00396			
o-Xylene		<0.00200 0.00200	<0.00199 0.00199	<0.00198 0.00198			
Total Xylenes		<0.00200 0.00200	<0.00199 0.00199	<0.00198 0.00198			
Total BTEX		<0.00200 0.00200	<0.00199 0.00199	<0.00198 0.00198			
Chloride by EPA 300	Extracted:	07.20.2020 08:30	07.20.2020 08:30	07.20.2020 08:30			
	Analyzed:	07.20.2020 11:19	07.20.2020 12:08	07.20.2020 12:14			
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL			
Chloride		383 4.97	135 4.97	147 4.96			
TPH By SW8015 Mod	Extracted:	07.15.2020 16:30	07.15.2020 16:30	07.15.2020 16:30			
	Analyzed:	07.15.2020 19:43	07.15.2020 20:04	07.15.2020 20:26			
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL			
Gasoline Range Hydrocarbons (GRO)		<49.8 49.8	<50.0 50.0	<50.0 50.0			
Diesel Range Organics (DRO)		<49.8 49.8	<50.0 50.0	<50.0 50.0			
Motor Oil Range Hydrocarbons (MRO)		<49.8 49.8	<50.0 50.0	<50.0 50.0			
Total TPH		<49.8 49.8	<50.0 50.0	<50.0 50.0			

BRL - Below Reporting Limit

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

Analytical Report 667249

for

Trinity Oilfield Services & Rentals, LLC

Project Manager: Ben Arguijo

Vortec 22 #1 Battery

07.24.2020

Collected By: Client



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

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-20-36), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)
Oklahoma (2019-058), North Carolina (681), Arkansas (20-035-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-20-25), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-17)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-22)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-19-19)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-7)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)
Xenco-Tampa: Florida (E87429), North Carolina (483)



07.24.2020

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

Reference: Eurofins Xenco, LLC Report No(s): **667249**
Vortec 22 #1 Battery
Project Address: Lea County, New Mexico

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) 667249. 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. 667249 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,

A handwritten signature in black ink that reads "Holly Taylor".

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 667249

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
GA-10 Floor Composite	S	07.14.2020 13:30		667249-001
GA-11 Floor Composite	S	07.14.2020 13:35		667249-002
GA-12 Floor Composite	S	07.14.2020 13:40		667249-003



CASE NARRATIVE

Client Name: Trinity Oilfield Services & Rentals, LLC

Project Name: Vortec 22 #1 Battery

Project ID:
Work Order Number(s): 667249

Report Date: 07.24.2020
Date Received: 07.15.2020

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3132552 BTEX by EPA 8021B

Lab Sample ID 667249-001 was randomly selected for Matrix Spike/Matrix Spike Duplicate (MS/MSD). Ethylbenzene, m,p-Xylenes, o-Xylene recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate. Toluene recovered below QC limits in the Matrix Spike Duplicate. Outlier/s are due to possible matrix interference. Samples in the analytical batch are: 667249-001, -002, -003.

The Laboratory Control Sample for Toluene, m,p-Xylenes, Ethylbenzene, o-Xylene is within laboratory Control Limits, therefore the data was accepted.



Certificate of Analytical Results 667249

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-10 Floor Composite**

Matrix: Soil

Date Received: 07.15.2020 11:15

Lab Sample Id: 667249-001

Date Collected: 07.14.2020 13:30

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 07.20.2020 08:30

Basis: Wet Weight

Seq Number: 3132151

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	383	4.97	mg/kg	07.20.2020 11:19		1

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 07.15.2020 16:30

Basis: Wet Weight

Seq Number: 3131827

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	07.15.2020 19:43	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	07.15.2020 19:43	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	07.15.2020 19:43	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	07.15.2020 19:43	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	93	%	70-130	07.15.2020 19:43	
o-Terphenyl	84-15-1	102	%	70-130	07.15.2020 19:43	



Certificate of Analytical Results 667249

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-10 Floor Composite**

Matrix: Soil

Date Received: 07.15.2020 11:15

Lab Sample Id: 667249-001

Date Collected: 07.14.2020 13:30

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 07.23.2020 15:30

Basis: Wet Weight

Seq Number: 3132552

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	07.23.2020 19:27	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	07.23.2020 19:27	UX	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	07.23.2020 19:27	UX	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	07.23.2020 19:27	UX	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	07.23.2020 19:27	UX	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	07.23.2020 19:27	U	1
Total BTEX		<0.00200	0.00200	mg/kg	07.23.2020 19:27	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	122	%	70-130	07.23.2020 19:27		
1,4-Difluorobenzene	540-36-3	111	%	70-130	07.23.2020 19:27		



Certificate of Analytical Results 667249

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-11 Floor Composite**

Matrix: Soil

Date Received: 07.15.2020 11:15

Lab Sample Id: 667249-002

Date Collected: 07.14.2020 13:35

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 07.20.2020 08:30

Basis: Wet Weight

Seq Number: 3132151

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	135	4.97	mg/kg	07.20.2020 12:08		1

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 07.15.2020 16:30

Basis: Wet Weight

Seq Number: 3131827

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	07.15.2020 20:04	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	07.15.2020 20:04	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	07.15.2020 20:04	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	07.15.2020 20:04	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	91	%	70-130	07.15.2020 20:04	
o-Terphenyl	84-15-1	95	%	70-130	07.15.2020 20:04	



Certificate of Analytical Results 667249

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-11 Floor Composite**

Matrix: Soil

Date Received: 07.15.2020 11:15

Lab Sample Id: 667249-002

Date Collected: 07.14.2020 13:35

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 07.23.2020 15:30

Basis: Wet Weight

Seq Number: 3132552

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	07.23.2020 19:47	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	07.23.2020 19:47	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	07.23.2020 19:47	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	07.23.2020 19:47	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	07.23.2020 19:47	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	07.23.2020 19:47	U	1
Total BTEX		<0.00199	0.00199	mg/kg	07.23.2020 19:47	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	111	%	70-130	07.23.2020 19:47		
4-Bromofluorobenzene	460-00-4	116	%	70-130	07.23.2020 19:47		



Certificate of Analytical Results 667249

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-12 Floor Composite**

Matrix: Soil

Date Received: 07.15.2020 11:15

Lab Sample Id: 667249-003

Date Collected: 07.14.2020 13:40

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 07.20.2020 08:30

Basis: Wet Weight

Seq Number: 3132151

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	147	4.96	mg/kg	07.20.2020 12:14		1

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 07.15.2020 16:30

Basis: Wet Weight

Seq Number: 3131827

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	07.15.2020 20:26	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	07.15.2020 20:26	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	07.15.2020 20:26	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	07.15.2020 20:26	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	87	%	70-130	07.15.2020 20:26	
o-Terphenyl	84-15-1	92	%	70-130	07.15.2020 20:26	



Certificate of Analytical Results 667249

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-12 Floor Composite**

Matrix: Soil

Date Received: 07.15.2020 11:15

Lab Sample Id: 667249-003

Date Collected: 07.14.2020 13:40

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 07.23.2020 15:30

Basis: Wet Weight

Seq Number: 3132552

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	07.23.2020 20:08	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	07.23.2020 20:08	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	07.23.2020 20:08	U	1
m,p-Xylenes	179601-23-1	<0.00396	0.00396	mg/kg	07.23.2020 20:08	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	07.23.2020 20:08	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	07.23.2020 20:08	U	1
Total BTEX		<0.00198	0.00198	mg/kg	07.23.2020 20:08	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	109	%	70-130	07.23.2020 20:08		
4-Bromofluorobenzene	460-00-4	119	%	70-130	07.23.2020 20:08		



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

Vortec 22 #1 Battery

Analytical Method: Chloride by EPA 300

Seq Number: 3132151

MB Sample Id: 7707634-1-BLK

Matrix: Solid

LCS Sample Id: 7707634-1-BKS

Prep Method: E300P

Date Prep: 07.20.2020

LCSD Sample Id: 7707634-1-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	245	98	246	98	90-110	0	20	mg/kg	07.20.2020 09:41	

Analytical Method: Chloride by EPA 300

Seq Number: 3132151

Parent Sample Id: 667178-028

Matrix: Soil

MS Sample Id: 667178-028 S

Prep Method: E300P

Date Prep: 07.20.2020

MSD Sample Id: 667178-028 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	539	252	767	90	773	93	90-110	1	20	mg/kg	07.20.2020 09:59	

Analytical Method: Chloride by EPA 300

Seq Number: 3132151

Parent Sample Id: 667249-001

Matrix: Soil

MS Sample Id: 667249-001 S

Prep Method: E300P

Date Prep: 07.20.2020

MSD Sample Id: 667249-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	383	249	617	94	617	94	90-110	0	20	mg/kg	07.20.2020 11:25	

Analytical Method: TPH By SW8015 Mod

Seq Number: 3131827

MB Sample Id: 7707430-1-BLK

Matrix: Solid

LCS Sample Id: 7707430-1-BKS

Prep Method: SW8015P

Date Prep: 07.15.2020

LCSD Sample Id: 7707430-1-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	958	96	888	89	70-130	8	20	mg/kg	07.15.2020 12:07	
Diesel Range Organics (DRO)	<50.0	1000	1010	101	904	90	70-130	11	20	mg/kg	07.15.2020 12:07	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	87		97		89		70-130	%	07.15.2020 12:07
o-Terphenyl	96		105		95		70-130	%	07.15.2020 12:07

Analytical Method: TPH By SW8015 Mod

Seq Number: 3131827

Matrix: Solid

MB Sample Id: 7707430-1-BLK

Prep Method: SW8015P

Date Prep: 07.15.2020

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	07.15.2020 11:46	

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

Vortec 22 #1 Battery

Analytical Method: TPH By SW8015 Mod

Seq Number: 3131827

Parent Sample Id: 667044-023

Matrix: Soil

MS Sample Id: 667044-023 S

Prep Method: SW8015P

Date Prep: 07.15.2020

MSD Sample Id: 667044-023 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	911	91	884	89	70-130	3	20	mg/kg	07.15.2020 13:12	
Diesel Range Organics (DRO)	<49.9	997	948	95	943	95	70-130	1	20	mg/kg	07.15.2020 13:12	

Surrogate

	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	92		91		70-130	%	07.15.2020 13:12
o-Terphenyl	95		91		70-130	%	07.15.2020 13:12

Analytical Method: BTEX by EPA 8021B

Seq Number: 3132552

MB Sample Id: 7707987-1-BLK

Matrix: Solid

LCS Sample Id: 7707987-1-BKS

Prep Method: SW5035A

Date Prep: 07.23.2020

LCSD Sample Id: 7707987-1-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	0.113	113	0.115	115	70-130	2	35	mg/kg	07.24.2020 09:32	
Toluene	<0.00200	0.100	0.109	109	0.108	108	70-130	1	35	mg/kg	07.24.2020 09:32	
Ethylbenzene	<0.00200	0.100	0.108	108	0.107	107	70-130	1	35	mg/kg	07.24.2020 09:32	
m,p-Xylenes	<0.00400	0.200	0.209	105	0.207	104	70-130	1	35	mg/kg	07.24.2020 09:32	
o-Xylene	<0.00200	0.100	0.0992	99	0.0986	99	70-130	1	35	mg/kg	07.24.2020 09:32	

Surrogate

	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	106		93		99		70-130	%	07.24.2020 09:32
4-Bromofluorobenzene	102		94		101		70-130	%	07.24.2020 09:32

Analytical Method: BTEX by EPA 8021B

Seq Number: 3132552

Parent Sample Id: 667249-001

Matrix: Soil

MS Sample Id: 667249-001 S

Prep Method: SW5035A

Date Prep: 07.23.2020

MSD Sample Id: 667249-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00198	0.0990	0.0835	84	0.0822	83	70-130	2	35	mg/kg	07.23.2020 18:04	
Toluene	<0.00198	0.0990	0.0696	70	0.0685	69	70-130	2	35	mg/kg	07.23.2020 18:04	X
Ethylbenzene	<0.00198	0.0990	0.0601	61	0.0580	58	70-130	4	35	mg/kg	07.23.2020 18:04	X
m,p-Xylenes	<0.00396	0.198	0.115	58	0.111	56	70-130	4	35	mg/kg	07.23.2020 18:04	X
o-Xylene	<0.00198	0.0990	0.0584	59	0.0567	57	70-130	3	35	mg/kg	07.23.2020 18:04	X

Surrogate

	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	102		103		70-130	%	07.23.2020 18:04
4-Bromofluorobenzene	99		102		70-130	%	07.23.2020 18:04

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: W07249

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Page 1 of 1

Project Manager:	Ben J. Arguijo	Bill to: (if different)	Wade Dittrich
Company Name:	Trinity Oilfield Services & Rentals, LLC	Company Name:	OXY USA, Inc.
Address:	8426 N. Dal Paso	Address:	
City, State ZIP:	Hobbs, NM 88242	City, State ZIP:	
Phone:	(575)390-7208	Email:	Wade.Dittrich@oxy.com & ben@trinityoilfieldservices.com

Work Order Comments	
Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐ State of Project: Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐ Deliverables: EDD ☐ ADaPT ☐ Other:	

Project Name:		Vortec 22 #1 Battery		Turn Around		ANALYSIS REQUEST																Preservative Codes											
Project Number:				Routine: X																		HNO3: HN											
Project Location		Lea County, New Mexico		Rush:																		H2S04: H2											
Sampler's Name:		Granville Ramsey		Due Date:																		HCL: HL											
PO #:																						None: NO											
SAMPLE RECEIPT		Temp Blank: Yes No		Wet Ice: Yes No																		NaOH: Na											
Temperature (°C):		3.0		Thermometer ID																		MeOH: Me											
Received Intact:		Yes No		Correction Factor:																		Zn Acetate+ NaOH: Zn											
Cooler Custody Seals:		Yes No N/A		Total Containers:																		TAT starts the day received by the lab, if received by 4:30pm											
Sample Custody Seals:		Yes No N/A																				Sample Comments											
Sample Identification		Matrix		Date Sampled		Time Sampled		Depth		Number of Containers/Preservative Code		BTEX		TPH 8015M		Chloride																	
GA-10 Floor Composite		Soil		7/14/20		1330				1		X		X		X																	
GA-11 Floor Composite		Soil		7/14/20		1335				1		X		X		X																	
GA-12 Floor Composite		Soil		7/14/20		1340				1		X		X		X																	

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
<i>[Signature]</i>	<i>[Signature]</i>	7/14/20 4:21	<i>[Signature]</i>	<i>[Signature]</i>	7/15
3			4		
5			6		11/5

Eurofins Xenco, LLC

Prelogin/Nonconformance Report- Sample Log-In

Client: Trinity Oilfield Services & Rentals, LLC**Date/ Time Received:** 07.15.2020 11.15.00 AM**Work Order #:** 667249**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)?	1.2
#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 BTEX was in bulk container
#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: 07.15.2020

Checklist reviewed by:

Holly Taylor

Date: 07.20.2020

Certificate of Analysis Summary 667833



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: Vortec 22 #1 Battery

Project Id:

Date Received in Lab: Wed 07.22.2020 11:30

Contact: Ben Arguijo

Report Date: 07.29.2020 13:14

Project Location: Lea County, New Mexico

Project Manager: Holly Taylor

<i>Analysis Requested</i>	<i>Lab Id:</i>	667833-001	667833-002	667833-003	667833-004	667833-005	667833-006
	<i>Field Id:</i>	BG-3 @ 2.5'	BG-3 @ 3.5'	BG-4 @ 1'	BG-4 @ 2'	BG-4 @ 3'	BG-4 @ 4'
	<i>Depth:</i>	2.5- ft	3.5- ft	1- ft	2- ft	3- ft	4- ft
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	07.17.2020 14:30	07.17.2020 14:40	07.20.2020 13:45	07.20.2020 13:50	07.20.2020 13:55	07.20.2020 14:00
Chloride by EPA 300	<i>Extracted:</i>	07.23.2020 12:00	07.23.2020 12:00	07.23.2020 12:00	07.23.2020 12:00	07.23.2020 12:00	07.23.2020 12:00
	<i>Analyzed:</i>	07.23.2020 18:02	07.23.2020 18:21	07.23.2020 18:27	07.23.2020 18:32	07.23.2020 18:37	07.23.2020 18:42
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		979 50.1	1970 49.9	299 4.98	1670 24.8	3200 49.9	3000 49.9

BRL - Below Reporting Limit

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

Analytical Report 667833

for

Trinity Oilfield Services & Rentals, LLC

Project Manager: Ben Arguijo

Vortec 22 #1 Battery

07.29.2020

Collected By: Client



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

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-20-36), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)
Oklahoma (2019-058), North Carolina (681), Arkansas (20-035-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-20-25), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-17)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-22)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-19-19)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-7)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)
Xenco-Tampa: Florida (E87429), North Carolina (483)



07.29.2020

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

Reference: Eurofins Xenco, LLC Report No(s): **667833**
Vortec 22 #1 Battery
Project Address: Lea County, New Mexico

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) 667833. 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. 667833 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,

A handwritten signature in black ink, appearing to read "JB", written over a light blue rectangular background.

John Builes
Project Manager

A Small Business and Minority Company

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

**Sample Cross Reference 667833****Trinity Oilfield Services & Rentals, LLC, Hobbs, NM**

Vortec 22 #1 Battery

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
BG-3 @ 2.5'	S	07.17.2020 14:30	2.5 ft	667833-001
BG-3 @ 3.5'	S	07.17.2020 14:40	3.5 ft	667833-002
BG-4 @ 1'	S	07.20.2020 13:45	1 ft	667833-003
BG-4 @ 2'	S	07.20.2020 13:50	2 ft	667833-004
BG-4 @ 3'	S	07.20.2020 13:55	3 ft	667833-005
BG-4 @ 4'	S	07.20.2020 14:00	4 ft	667833-006



CASE NARRATIVE

Client Name: Trinity Oilfield Services & Rentals, LLC

Project Name: Vortec 22 #1 Battery

Project ID:
Work Order Number(s): 667833

Report Date: 07.29.2020
Date Received: 07.22.2020

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

**Certificate of Analytical Results 667833****Trinity Oilfield Services & Rentals, LLC, Hobbs, NM**

Vortec 22 #1 Battery

Sample Id: **BG-3 @ 2.5'**

Matrix: Soil

Date Received: 07.22.2020 11:30

Lab Sample Id: 667833-001

Date Collected: 07.17.2020 14:30

Sample Depth: 2.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: SPC

% Moisture:

Analyst: SPC

Date Prep: 07.23.2020 12:00

Basis: Wet Weight

Seq Number: 3132485

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	979	50.1	mg/kg	07.23.2020 18:02		10



Certificate of Analytical Results 667833

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM
Vortec 22 #1 Battery

Sample Id: **BG-3 @ 3.5'**
Lab Sample Id: 667833-002

Analytical Method: Chloride by EPA 300
Tech: SPC
Analyst: SPC
Seq Number: 3132485

Matrix: Soil

Date Collected: 07.17.2020 14:40

Date Prep: 07.23.2020 12:00

Date Received:07.22.2020 11:30
Sample Depth: 3.5 ft

Prep Method: E300P
% Moisture:
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	1970	49.9	mg/kg	07.23.2020 18:21		10

**Certificate of Analytical Results 667833****Trinity Oilfield Services & Rentals, LLC, Hobbs, NM**

Vortec 22 #1 Battery

Sample Id: **BG-4 @ 1'**

Matrix: Soil

Date Received: 07.22.2020 11:30

Lab Sample Id: 667833-003

Date Collected: 07.20.2020 13:45

Sample Depth: 1 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: SPC

% Moisture:

Analyst: SPC

Date Prep: 07.23.2020 12:00

Basis: Wet Weight

Seq Number: 3132485

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	299	4.98	mg/kg	07.23.2020 18:27		1



Certificate of Analytical Results 667833

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM
Vortec 22 #1 Battery

Sample Id: **BG-4 @ 2'**
Lab Sample Id: 667833-004

Matrix: Soil
Date Collected: 07.20.2020 13:50

Date Received:07.22.2020 11:30
Sample Depth: 2 ft

Analytical Method: Chloride by EPA 300
Tech: SPC

Prep Method: E300P
% Moisture:

Analyst: SPC
Date Prep: 07.23.2020 12:00

Basis: Wet Weight

Seq Number: 3132485

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	1670	24.8	mg/kg	07.23.2020 18:32		5

**Certificate of Analytical Results 667833****Trinity Oilfield Services & Rentals, LLC, Hobbs, NM**

Vortec 22 #1 Battery

Sample Id: **BG-4 @ 3'**

Matrix: Soil

Date Received: 07.22.2020 11:30

Lab Sample Id: 667833-005

Date Collected: 07.20.2020 13:55

Sample Depth: 3 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: SPC

% Moisture:

Analyst: SPC

Date Prep: 07.23.2020 12:00

Basis: Wet Weight

Seq Number: 3132485

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	3200	49.9	mg/kg	07.23.2020 18:37		10

**Certificate of Analytical Results 667833****Trinity Oilfield Services & Rentals, LLC, Hobbs, NM**

Vortec 22 #1 Battery

Sample Id: **BG-4 @ 4'**

Matrix: Soil

Date Received: 07.22.2020 11:30

Lab Sample Id: 667833-006

Date Collected: 07.20.2020 14:00

Sample Depth: 4 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: SPC

% Moisture:

Analyst: SPC

Date Prep: 07.23.2020 12:00

Basis: Wet Weight

Seq Number: 3132485

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	3000	49.9	mg/kg	07.23.2020 18:42		10



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

Vortec 22 #1 Battery

Analytical Method: Chloride by EPA 300

Seq Number: 3132485

MB Sample Id: 7707914-1-BLK

Matrix: Solid

LCS Sample Id: 7707914-1-BKS

Prep Method: E300P

Date Prep: 07.23.2020

LCSD Sample Id: 7707914-1-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	263	105	260	104	90-110	1	20	mg/kg	07.23.2020 15:56	

Analytical Method: Chloride by EPA 300

Seq Number: 3132485

Parent Sample Id: 667637-004

Matrix: Soil

MS Sample Id: 667637-004 S

Prep Method: E300P

Date Prep: 07.23.2020

MSD Sample Id: 667637-004 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	1880	1260	3120	98	3250	109	90-110	4	20	mg/kg	07.23.2020 16:15	

Analytical Method: Chloride by EPA 300

Seq Number: 3132485

Parent Sample Id: 667826-002

Matrix: Soil

MS Sample Id: 667826-002 S

Prep Method: E300P

Date Prep: 07.23.2020

MSD Sample Id: 667826-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	16.8	249	275	104	287	109	90-110	4	20	mg/kg	07.23.2020 17:43	

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:

447832

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Page 1 of 1

Project Manager:	Ben J. Arguijo	Bill to: (if different)	Wade Dittrich
Company Name:	Trinity Oilfield Services & Rentals, LLC	Company Name:	OXY USA, Inc.
Address:	8426 N. Dal Paso	Address:	
City, State ZIP:	Hobbs, NM 88242	City, State ZIP:	
Phone:	(575)390-7208	Email:	Wade.Dittrich@oxy.com & ben@trinitvoilfieldservices.com

Work Order Comments	
Program:	UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:	
Reporting:	Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables:	EDD ☐ ADaPT ☐ 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 :	Ha					

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
Granville Ramsey	Stephanie Rojas	7/21 4:20	Stephanie Rojas	Stephanie Rojas	7/21 4:28
3			4		
5			6	BM	7/21/20

Revised Date 10/4/19 Rev. 2019.1

150145-487 RPT EXP 0121



41 MAFH

TX-US LBB
MAFH
HLD
STANDARD OVERNIGHT
MED - 22 JUL HOLD

TRK# 9061 5134 5905 0201



FedEx Express

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

MIDLAND TX 79711

3600 COUNTY ROAD 1276 SOUTH
FEDEX EXPRESS SHIP CENTER
FEDEX EXPRESS SHIP CENTER
XENCO HOLD FOR PICKUP

TO: HOBBS, NM 88240
UNITED STATES US
MAIL SERVICES ETC
4008 N GRIMES
*
ORIGIN ID: H08A (070) 592-7800

SHIP DATE: 21 JUL 20
ACTWGT: 12.00 LB MAN
CAD: 0103352/CARFE3313
DIMS: 15x14x12 IN
BILL THIRD PARTY

565C3/C6A6/B5A2

Eurofins Xenco, LLC

Prelogin/Nonconformance Report- Sample Log-In

Client: Trinity Oilfield Services & Rentals, LLC

Date/ Time Received: 07.22.2020 11.30.00 AM

Work Order #: 667833

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)?	1.2
#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?	Yes
#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: 07.22.2020

Checklist reviewed by:



Holly Taylor

Date: 07.23.2020

Certificate of Analysis Summary 668118

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: Vortec 22 #1 Battery

Project Id:

Date Received in Lab: Fri 07.24.2020 10:49

Contact: Ben Arguijo

Report Date: 07.30.2020 17:01

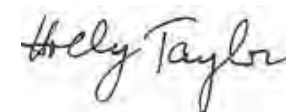
Project Location: Lea County, New Mexico

Project Manager: Holly Taylor

Analysis Requested	Lab Id:	668118-001	668118-002				
	Field Id:	GA-18 N. Wall Composit	GA-22 N. Wall Composit				
	Depth:						
	Matrix:	SOIL	SOIL				
	Sampled:	07.23.2020 14:00	07.23.2020 14:05				
BTEX by EPA 8021B	Extracted:	07.27.2020 09:00	07.27.2020 09:00				
	Analyzed:	07.27.2020 20:16	07.27.2020 20:36				
	Units/RL:	mg/kg RL	mg/kg RL				
		<0.00199 0.00199	<0.00200 0.00200				
Benzene		<0.00199 0.00199	<0.00200 0.00200				
Toluene		<0.00199 0.00199	<0.00200 0.00200				
Ethylbenzene		<0.00199 0.00199	<0.00200 0.00200				
m,p-Xylenes		<0.00398 0.00398	<0.00399 0.00399				
o-Xylene		<0.00199 0.00199	<0.00200 0.00200				
Total Xylenes		<0.00199 0.00199	<0.00200 0.00200				
Total BTEX		<0.00199 0.00199	<0.00200 0.00200				
Chloride by EPA 300	Extracted:	07.24.2020 17:20	07.24.2020 14:50				
	Analyzed:	07.24.2020 21:13	07.24.2020 20:42				
	Units/RL:	mg/kg RL	mg/kg RL				
		142 4.99	66.9 4.97				
Chloride							
TPH By SW8015 Mod	Extracted:	07.24.2020 16:00	07.24.2020 16:00				
	Analyzed:	07.24.2020 20:49	07.24.2020 21:46				
	Units/RL:	mg/kg RL	mg/kg RL				
		<50.0 50.0	<50.0 50.0				
Gasoline Range Hydrocarbons (GRO)		<50.0 50.0	<50.0 50.0				
Diesel Range Organics (DRO)		<50.0 50.0	<50.0 50.0				
Motor Oil Range Hydrocarbons (MRO)		<50.0 50.0	<50.0 50.0				
Total TPH		<50.0 50.0	<50.0 50.0				

BRL - Below Reporting Limit

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



Analytical Report 668118

for

Trinity Oilfield Services & Rentals, LLC

Project Manager: Ben Arguijo

Vortec 22 #1 Battery

07.30.2020

Collected By: Client



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

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-20-36), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)
Oklahoma (2019-058), North Carolina (681), Arkansas (20-035-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-20-25), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-17)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-22)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-19-19)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-7)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)
Xenco-Tampa: Florida (E87429), North Carolina (483)



07.30.2020

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

Reference: Eurofins Xenco, LLC Report No(s): **668118**
Vortec 22 #1 Battery
Project Address: Lea County, New Mexico

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) 668118. 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. 668118 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,

A handwritten signature in black ink that reads "Holly Taylor".

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 668118

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
GA-18 N. Wall Composite	S	07.23.2020 14:00		668118-001
GA-22 N. Wall Composite	S	07.23.2020 14:05		668118-002



CASE NARRATIVE

Client Name: Trinity Oilfield Services & Rentals, LLC

Project Name: Vortec 22 #1 Battery

Project ID:
Work Order Number(s): 668118

Report Date: 07.30.2020
Date Received: 07.24.2020

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3132644 TPH By SW8015 Mod

Surrogate o-Terphenyl recovered above QC limits Data confirmed by re-analysis. Samples affected are: 7708089-1-BLK.



Certificate of Analytical Results 668118

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-18 N. Wall Composite**

Matrix: Soil

Date Received: 07.24.2020 10:49

Lab Sample Id: 668118-001

Date Collected: 07.23.2020 14:00

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: SPC

% Moisture:

Analyst: SPC

Date Prep: 07.24.2020 17:20

Basis: Wet Weight

Seq Number: 3132621

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	142	4.99	mg/kg	07.24.2020 21:13		1

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 07.24.2020 16:00

Basis: Wet Weight

Seq Number: 3132644

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	07.24.2020 20:49	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	07.24.2020 20:49	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	07.24.2020 20:49	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	07.24.2020 20:49	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	113	%	70-130	07.24.2020 20:49	
o-Terphenyl	84-15-1	119	%	70-130	07.24.2020 20:49	



Certificate of Analytical Results 668118

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-18 N. Wall Composite**

Matrix: Soil

Date Received: 07.24.2020 10:49

Lab Sample Id: 668118-001

Date Collected: 07.23.2020 14:00

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: AMF

% Moisture:

Analyst: AMF

Date Prep: 07.27.2020 09:00

Basis: Wet Weight

Seq Number: 3132772

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	07.27.2020 20:16	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	07.27.2020 20:16	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	07.27.2020 20:16	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	07.27.2020 20:16	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	07.27.2020 20:16	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	07.27.2020 20:16	U	1
Total BTEX		<0.00199	0.00199	mg/kg	07.27.2020 20:16	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	104	%	70-130	07.27.2020 20:16		
4-Bromofluorobenzene	460-00-4	106	%	70-130	07.27.2020 20:16		



Certificate of Analytical Results 668118

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-22 N. Wall Composite**

Matrix: Soil

Date Received: 07.24.2020 10:49

Lab Sample Id: 668118-002

Date Collected: 07.23.2020 14:05

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 07.24.2020 14:50

Basis: Wet Weight

Seq Number: 3132618

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	66.9	4.97	mg/kg	07.24.2020 20:42		1

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 07.24.2020 16:00

Basis: Wet Weight

Seq Number: 3132644

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	07.24.2020 21:46	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	07.24.2020 21:46	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	07.24.2020 21:46	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	07.24.2020 21:46	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	121	%	70-130	07.24.2020 21:46	
o-Terphenyl	84-15-1	126	%	70-130	07.24.2020 21:46	



Certificate of Analytical Results 668118

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-22 N. Wall Composite**

Matrix: Soil

Date Received: 07.24.2020 10:49

Lab Sample Id: 668118-002

Date Collected: 07.23.2020 14:05

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: AMF

% Moisture:

Analyst: AMF

Date Prep: 07.27.2020 09:00

Basis: Wet Weight

Seq Number: 3132772

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	07.27.2020 20:36	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	07.27.2020 20:36	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	07.27.2020 20:36	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	07.27.2020 20:36	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	07.27.2020 20:36	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	07.27.2020 20:36	U	1
Total BTEX		<0.00200	0.00200	mg/kg	07.27.2020 20:36	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	105	%	70-130	07.27.2020 20:36		
1,4-Difluorobenzene	540-36-3	103	%	70-130	07.27.2020 20:36		

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

Vortec 22 #1 Battery

Analytical Method: Chloride by EPA 300

Seq Number: 3132618

Matrix: Solid

Prep Method: E300P

Date Prep: 07.24.2020

MB Sample Id: 7708036-1-BLK

LCS Sample Id: 7708036-1-BKS

LCSD Sample Id: 7708036-1-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	272	109	261	104	90-110	4	20	mg/kg	07.24.2020 18:10	

Analytical Method: Chloride by EPA 300

Seq Number: 3132621

Matrix: Solid

Prep Method: E300P

Date Prep: 07.24.2020

MB Sample Id: 7708067-1-BLK

LCS Sample Id: 7708067-1-BKS

LCSD Sample Id: 7708067-1-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	261	104	272	109	90-110	4	20	mg/kg	07.24.2020 21:03	

Analytical Method: Chloride by EPA 300

Seq Number: 3132618

Matrix: Soil

Prep Method: E300P

Date Prep: 07.24.2020

Parent Sample Id: 668114-019

MS Sample Id: 668114-019 S

MSD Sample Id: 668114-019 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	2240	1260	3700	116	3760	121	90-110	2	20	mg/kg	07.24.2020 18:26	X

Analytical Method: Chloride by EPA 300

Seq Number: 3132618

Matrix: Soil

Prep Method: E300P

Date Prep: 07.24.2020

Parent Sample Id: 668137-008

MS Sample Id: 668137-008 S

MSD Sample Id: 668137-008 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	155	250	410	102	422	107	90-110	3	20	mg/kg	07.24.2020 19:39	

Analytical Method: Chloride by EPA 300

Seq Number: 3132621

Matrix: Soil

Prep Method: E300P

Date Prep: 07.24.2020

Parent Sample Id: 668118-001

MS Sample Id: 668118-001 S

MSD Sample Id: 668118-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	142	250	396	102	398	102	90-110	1	20	mg/kg	07.24.2020 21:18	

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

Vortec 22 #1 Battery

Analytical Method: TPH By SW8015 Mod

Seq Number: 3132644

MB Sample Id: 7708089-1-BLK

Matrix: Solid

LCS Sample Id: 7708089-1-BKS

Prep Method: SW8015P

Date Prep: 07.24.2020

LCSD Sample Id: 7708089-1-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	895	90	893	89	70-130	0	20	mg/kg	07.24.2020 20:11	
Diesel Range Organics (DRO)	<50.0	1000	871	87	858	86	70-130	2	20	mg/kg	07.24.2020 20:11	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	127		122		121		70-130	%	07.24.2020 20:11
o-Terphenyl	136	**	118		117		70-130	%	07.24.2020 20:11

Analytical Method: TPH By SW8015 Mod

Seq Number: 3132644

Matrix: Solid

Prep Method: SW8015P

Date Prep: 07.24.2020

MB Sample Id: 7708089-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	07.24.2020 19:51	

Analytical Method: TPH By SW8015 Mod

Seq Number: 3132644

Matrix: Soil

Prep Method: SW8015P

Date Prep: 07.24.2020

Parent Sample Id: 668118-001

MS Sample Id: 668118-001 S

MSD Sample Id: 668118-001 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	873	88	881	88	70-130	1	20	mg/kg	07.24.2020 21:08	
Diesel Range Organics (DRO)	<49.9	997	838	84	843	85	70-130	1	20	mg/kg	07.24.2020 21:08	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	126		128		70-130	%	07.24.2020 21:08
o-Terphenyl	122		119		70-130	%	07.24.2020 21:08

Analytical Method: BTEX by EPA 8021B

Seq Number: 3132772

Matrix: Solid

Prep Method: SW5035A

Date Prep: 07.27.2020

MB Sample Id: 7708187-1-BLK

LCS Sample Id: 7708187-1-BKS

LCSD Sample Id: 7708187-1-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	0.0957	96	0.0995	100	70-130	4	35	mg/kg	07.27.2020 10:15	
Toluene	<0.00200	0.100	0.0850	85	0.0881	88	70-130	4	35	mg/kg	07.27.2020 10:15	
Ethylbenzene	<0.00200	0.100	0.0955	96	0.0987	99	70-130	3	35	mg/kg	07.27.2020 10:15	
m,p-Xylenes	<0.00400	0.200	0.194	97	0.202	101	70-130	4	35	mg/kg	07.27.2020 10:15	
o-Xylene	<0.00200	0.100	0.0952	95	0.0989	99	70-130	4	35	mg/kg	07.27.2020 10:15	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	102		96		99		70-130	%	07.27.2020 10:15
4-Bromofluorobenzene	100		97		100		70-130	%	07.27.2020 10:15

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

Vortec 22 #1 Battery

Analytical Method: BTEX by EPA 8021B

Seq Number: 3132772

Parent Sample Id: 667963-001

Matrix: Soil

MS Sample Id: 667963-001 S

Prep Method: SW5035A

Date Prep: 07.27.2020

MSD Sample Id: 667963-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00199	0.0996	0.0818	82	0.0901	90	70-130	10	35	mg/kg	07.27.2020 10:56	
Toluene	<0.00199	0.0996	0.0815	82	0.0886	89	70-130	8	35	mg/kg	07.27.2020 10:56	
Ethylbenzene	<0.00199	0.0996	0.0809	81	0.0899	90	70-130	11	35	mg/kg	07.27.2020 10:56	
m,p-Xylenes	<0.00398	0.199	0.166	83	0.183	92	70-130	10	35	mg/kg	07.27.2020 10:56	
o-Xylene	<0.00199	0.0996	0.0808	81	0.0895	90	70-130	10	35	mg/kg	07.27.2020 10:56	

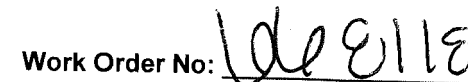
Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	97		98		70-130	%	07.27.2020 10:56
4-Bromofluorobenzene	101		101		70-130	%	07.27.2020 10:56

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



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

www.xenco.com Page 1 of 1

Work Order Comments	
Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐	
State of Project:	
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐	
Deliverables: EDD ☐ ADaPT ☐ Other:	

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	SiO ₂	Na	Sr	Tl	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		Stephanie Rojas	7/23 4:25	2	Stephanie R.
3				4	Stephanie Rojas
5				6	Bryce
					7/24 1:44

Revised Date 10/4/19 Rev. 2019.1

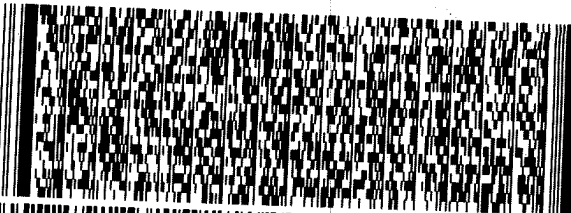


11/11/2023 11:00:00 AM

TX-US LBB
MAFA
HLD
STANDARD OVERNIGHT
FRI - 24 JUL HOLD

41 MAFA

TRK# 9061 5134 6095 0201



J191219062001LV

DEPT:

PO: INV: (432) 704-5440
MIDLAND TX 79711

TO XENCO HOLD FOR PICKUP
FEDEX EXPRESS SHIP CENTER
FEDEX EXPRESS SHIP CENTER
3600 COUNTY ROAD 1276 SOUTH

ORIGIN ID: H08A (b/c) 392/-bb0
MAIL SERVICES ETC
4008 N GRIMES
HOBBS, NM 88240
UNITED STATES US

SHIP DATE: 23JUL20
ACTWGT: 9.00 LB MAN
CAD: 0103952/CAFE3313
DIMS: 13x9x8 IN
BILL THIRD PARTY

565C3/606/05N2

Eurofins Xenco, LLC

Prelogin/Nonconformance Report- Sample Log-In

Client: Trinity Oilfield Services & Rentals, LLC**Date/ Time Received:** 07.24.2020 10.49.00 AM**Work Order #:** 668118**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)?	2.1
#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: 07.24.2020

Checklist reviewed by:

Holly Taylor

Date: 07.27.2020

Certificate of Analysis Summary 668237



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: Vortec 22 #1 Battery

Project Id:

Date Received in Lab: Mon 07.27.2020 11:15

Contact: Ben Arguijo

Report Date: 07.31.2020 17:57

Project Location: Lea County, New Mexico

Project Manager: Holly Taylor

Analysis Requested	Lab Id:	668237-001	668237-002				
	Field Id:	GA-13 Floor Composite	GA-8,9,12,13 N. Wall Co				
	Depth:						
	Matrix:	SOIL	SOIL				
	Sampled:	07.24.2020 10:45	07.24.2020 10:40				
BTEX by EPA 8021B	Extracted:	07.30.2020 17:15	07.30.2020 17:15				
	Analyzed:	07.31.2020 04:43	07.31.2020 05:04				
	Units/RL:	mg/kg RL	mg/kg RL				
Benzene		<0.00198 0.00198	<0.00200 0.00200				
Toluene		<0.00198 0.00198	<0.00200 0.00200				
Ethylbenzene		<0.00198 0.00198	<0.00200 0.00200				
m,p-Xylenes		<0.00397 0.00397	<0.00400 0.00400				
o-Xylene		<0.00198 0.00198	<0.00200 0.00200				
Total Xylenes		<0.00198 0.00198	<0.00200 0.00200				
Total BTEX		<0.00198 0.00198	<0.00200 0.00200				
Chloride by EPA 300	Extracted:	07.27.2020 16:20	07.27.2020 16:20				
	Analyzed:	07.27.2020 22:19	07.27.2020 22:38				
	Units/RL:	mg/kg RL	mg/kg RL				
Chloride		22800 248	40.4 4.95				
TPH By SW8015 Mod	Extracted:	07.28.2020 12:00	07.28.2020 12:00				
	Analyzed:	07.28.2020 16:02	07.28.2020 16:21				
	Units/RL:	mg/kg RL	mg/kg RL				
Gasoline Range Hydrocarbons (GRO)		<50.0 50.0	<49.9 49.9				
Diesel Range Organics (DRO)		<50.0 50.0	<49.9 49.9				
Motor Oil Range Hydrocarbons (MRO)		<50.0 50.0	<49.9 49.9				
Total TPH		<50.0 50.0	<49.9 49.9				

BRL - Below Reporting Limit

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

Analytical Report 668237

for

Trinity Oilfield Services & Rentals, LLC

Project Manager: Ben Arguijo

Vortec 22 #1 Battery

07.31.2020

Collected By: Client



1211 W. Florida Ave
Midland TX 79701

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-20-36), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)
Oklahoma (2019-058), North Carolina (681), Arkansas (20-035-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-20-25), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-17)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-22)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-19-19)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-7)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)
Xenco-Tampa: Florida (E87429), North Carolina (483)



07.31.2020

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

Reference: Eurofins Xenco, LLC Report No(s): **668237**
Vortec 22 #1 Battery
Project Address: Lea County, New Mexico

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) 668237. 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. 668237 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,

A handwritten signature in black ink that reads "Holly Taylor".

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 668237

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
GA-13 Floor Composite	S	07.24.2020 10:45		668237-001
GA-8,9,12,13 N. Wall Composite	S	07.24.2020 10:40		668237-002



CASE NARRATIVE

Client Name: Trinity Oilfield Services & Rentals, LLC

Project Name: Vortec 22 #1 Battery

Project ID:
Work Order Number(s): 668237

Report Date: 07.31.2020
Date Received: 07.27.2020

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None



Certificate of Analytical Results 668237

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-13 Floor Composite**

Matrix: Soil

Date Received: 07.27.2020 11:15

Lab Sample Id: 668237-001

Date Collected: 07.24.2020 10:45

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 07.27.2020 16:20

Basis: Wet Weight

Seq Number: 3132747

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	22800	248	mg/kg	07.27.2020 22:19		50

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 07.28.2020 12:00

Basis: Wet Weight

Seq Number: 3132908

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	07.28.2020 16:02	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	07.28.2020 16:02	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	07.28.2020 16:02	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	07.28.2020 16:02	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	116	%	70-130	07.28.2020 16:02	
o-Terphenyl	84-15-1	121	%	70-130	07.28.2020 16:02	



Certificate of Analytical Results 668237

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-13 Floor Composite**

Matrix: Soil

Date Received: 07.27.2020 11:15

Lab Sample Id: 668237-001

Date Collected: 07.24.2020 10:45

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 07.30.2020 17:15

Basis: Wet Weight

Seq Number: 3133159

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	07.31.2020 04:43	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	07.31.2020 04:43	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	07.31.2020 04:43	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	07.31.2020 04:43	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	07.31.2020 04:43	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	07.31.2020 04:43	U	1
Total BTEX		<0.00198	0.00198	mg/kg	07.31.2020 04:43	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	106	%	70-130	07.31.2020 04:43		
1,4-Difluorobenzene	540-36-3	102	%	70-130	07.31.2020 04:43		



Certificate of Analytical Results 668237

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-8,9,12,13 N. Wall Composite**

Matrix: Soil

Date Received: 07.27.2020 11:15

Lab Sample Id: 668237-002

Date Collected: 07.24.2020 10:40

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 07.27.2020 16:20

Basis: Wet Weight

Seq Number: 3132747

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	40.4	4.95	mg/kg	07.27.2020 22:38		1

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 07.28.2020 12:00

Basis: Wet Weight

Seq Number: 3132908

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	07.28.2020 16:21	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	07.28.2020 16:21	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	07.28.2020 16:21	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	07.28.2020 16:21	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	108	%	70-130	07.28.2020 16:21	
o-Terphenyl	84-15-1	111	%	70-130	07.28.2020 16:21	



Certificate of Analytical Results 668237

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-8,9,12,13 N. Wall Composite**

Matrix: Soil

Date Received: 07.27.2020 11:15

Lab Sample Id: 668237-002

Date Collected: 07.24.2020 10:40

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 07.30.2020 17:15

Basis: Wet Weight

Seq Number: 3133159

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	07.31.2020 05:04	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	07.31.2020 05:04	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	07.31.2020 05:04	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	07.31.2020 05:04	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	07.31.2020 05:04	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	07.31.2020 05:04	U	1
Total BTEX		<0.00200	0.00200	mg/kg	07.31.2020 05:04	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	103	%	70-130	07.31.2020 05:04		
4-Bromofluorobenzene	460-00-4	106	%	70-130	07.31.2020 05:04		



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

Vortec 22 #1 Battery

Analytical Method: Chloride by EPA 300

Seq Number: 3132747

MB Sample Id: 7708161-1-BLK

Matrix: Solid

LCS Sample Id: 7708161-1-BKS

Prep Method: E300P

Date Prep: 07.27.2020

LCSD Sample Id: 7708161-1-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	261	104	262	105	90-110	0	20	mg/kg	07.27.2020 20:12	

Analytical Method: Chloride by EPA 300

Seq Number: 3132747

Parent Sample Id: 668271-001

Matrix: Soil

MS Sample Id: 668271-001 S

Prep Method: E300P

Date Prep: 07.27.2020

MSD Sample Id: 668271-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	3100	1250	4410	105	4450	108	90-110	1	20	mg/kg	07.27.2020 20:31	

Analytical Method: Chloride by EPA 300

Seq Number: 3132747

Parent Sample Id: 668271-011

Matrix: Soil

MS Sample Id: 668271-011 S

Prep Method: E300P

Date Prep: 07.27.2020

MSD Sample Id: 668271-011 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	17.5	250	277	104	277	104	90-110	0	20	mg/kg	07.27.2020 22:00	

Analytical Method: TPH By SW8015 Mod

Seq Number: 3132908

MB Sample Id: 7708249-1-BLK

Matrix: Solid

LCS Sample Id: 7708249-1-BKS

Prep Method: SW8015P

Date Prep: 07.28.2020

LCSD Sample Id: 7708249-1-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	876	88	851	85	70-130	3	20	mg/kg	07.28.2020 12:43	
Diesel Range Organics (DRO)	<50.0	1000	901	90	900	90	70-130	0	20	mg/kg	07.28.2020 12:43	

Surrogate

	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	115		129		125		70-130	%	07.28.2020 12:43
o-Terphenyl	123		121		118		70-130	%	07.28.2020 12:43

Analytical Method: TPH By SW8015 Mod

Seq Number: 3132908

Matrix: Solid

MB Sample Id: 7708249-1-BLK

Prep Method: SW8015P

Date Prep: 07.28.2020

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	07.28.2020 12:24	

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

Vortec 22 #1 Battery

Analytical Method: TPH By SW8015 Mod

Seq Number: 3132908

Parent Sample Id: 668220-021

Matrix: Soil

MS Sample Id: 668220-021 S

Prep Method: SW8015P

Date Prep: 07.28.2020

MSD Sample Id: 668220-021 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	998	877	88	780	78	70-130	12	20	mg/kg	07.28.2020 14:08	
Diesel Range Organics (DRO)	<49.9	998	846	85	810	81	70-130	4	20	mg/kg	07.28.2020 14:08	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	130		108		70-130	%	07.28.2020 14:08
o-Terphenyl	126		100		70-130	%	07.28.2020 14:08

Analytical Method: BTEX by EPA 8021B

Seq Number: 3133159

MB Sample Id: 7708470-1-BLK

Matrix: Solid

LCS Sample Id: 7708470-1-BKS

Prep Method: SW5035A

Date Prep: 07.30.2020

LCSD Sample Id: 7708470-1-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	0.0957	96	0.100	100	70-130	4	35	mg/kg	07.30.2020 19:28	
Toluene	<0.00200	0.100	0.0810	81	0.0852	85	70-130	5	35	mg/kg	07.30.2020 19:28	
Ethylbenzene	<0.00200	0.100	0.0912	91	0.0959	96	70-130	5	35	mg/kg	07.30.2020 19:28	
m,p-Xylenes	<0.00400	0.200	0.186	93	0.196	98	70-130	5	35	mg/kg	07.30.2020 19:28	
o-Xylene	<0.00200	0.100	0.0911	91	0.0954	95	70-130	5	35	mg/kg	07.30.2020 19:28	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	102		98		99		70-130	%	07.30.2020 19:28
4-Bromofluorobenzene	103		97		99		70-130	%	07.30.2020 19:28

Analytical Method: BTEX by EPA 8021B

Seq Number: 3133159

Parent Sample Id: 668264-007

Matrix: Soil

MS Sample Id: 668264-007 S

Prep Method: SW5035A

Date Prep: 07.30.2020

MSD Sample Id: 668264-007 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00198	0.0990	0.0952	96	0.0927	93	70-130	3	35	mg/kg	07.30.2020 20:09	
Toluene	0.0423	0.0990	0.114	72	0.107	65	70-130	6	35	mg/kg	07.30.2020 20:09	X
Ethylbenzene	0.0324	0.0990	0.109	77	0.105	73	70-130	4	35	mg/kg	07.30.2020 20:09	
m,p-Xylenes	0.109	0.198	0.246	69	0.236	64	70-130	4	35	mg/kg	07.30.2020 20:09	X
o-Xylene	0.0326	0.0990	0.107	75	0.104	72	70-130	3	35	mg/kg	07.30.2020 20:09	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	99		97		70-130	%	07.30.2020 20:09
4-Bromofluorobenzene	104		103		70-130	%	07.30.2020 20:09

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: 1069237

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Page 1 of 1

Project Manager:	Ben J. Arguijo	Bill to: (if different)	Wade Dittrich
Company Name:	Trinity Oilfield Services & Rentals, LLC	Company Name:	OXY USA, Inc.
Address:	8426 N. Dal Paso	Address:	
City, State ZIP:	Hobbs, NM 88242	City, State ZIP:	
Phone:	(575)390-7208	Email:	Wade.Dittrich@oxy.com & ben@trinityoilfieldservices.com

Work Order Comments		
Program:	UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐	
State of Project:		
Reporting:	Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐	
Deliverables:	EDD ☐ ADaPT ☐ 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 Tl 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 Tl 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		7/24	4:20
3		4		7/27	11:15
5		6			

Eurofins Xenco, LLC

Prelogin/Nonconformance Report- Sample Log-In

Client: Trinity Oilfield Services & Rentals, LLC**Date/ Time Received:** 07.27.2020 11.15.00 AM**Work Order #:** 668237**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)?	2.1
#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: 07.27.2020

Checklist reviewed by:

Holly Taylor

Date: 07.28.2020

Certificate of Analysis Summary 668619

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: Vortec 22 #1 Battery

Project Id:

Date Received in Lab: Thu 07.30.2020 10:40

Contact: Ben Arguijo

Report Date: 08.06.2020 09:22

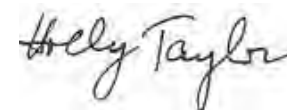
Project Location:

Project Manager: Holly Taylor

Analysis Requested	Lab Id:	668619-001	668619-002				
	Field Id:	GA-18 Floor Composite	GA-22 Floor Composite				
	Depth:						
	Matrix:	SOIL	SOIL				
	Sampled:	07.29.2020 11:00	07.29.2020 11:05				
BTEX by EPA 8021B	Extracted:	08.04.2020 10:00	08.04.2020 10:00				
	Analyzed:	08.04.2020 15:45	08.04.2020 17:47				
	Units/RL:	mg/kg RL	mg/kg RL				
		<0.00199 0.00199	<0.00199 0.00199				
Benzene		<0.00199 0.00199	<0.00199 0.00199				
Toluene		<0.00199 0.00199	<0.00199 0.00199				
Ethylbenzene		<0.00199 0.00199	<0.00199 0.00199				
m,p-Xylenes		<0.00398 0.00398	<0.00398 0.00398				
o-Xylene		<0.00199 0.00199	<0.00199 0.00199				
Total Xylenes		<0.00199 0.00199	<0.00199 0.00199				
Total BTEX		<0.00199 0.00199	<0.00199 0.00199				
Chloride by EPA 300	Extracted:	07.31.2020 12:40	07.31.2020 12:40				
	Analyzed:	07.31.2020 16:05	07.31.2020 16:11				
	Units/RL:	mg/kg RL	mg/kg RL				
		3690 50.0	3070 50.0				
Chloride		3690 50.0	3070 50.0				
TPH By SW8015 Mod	Extracted:	07.30.2020 16:00	07.30.2020 16:00				
	Analyzed:	07.30.2020 20:26	07.30.2020 20:45				
	Units/RL:	mg/kg RL	mg/kg RL				
		<50.0 50.0	<49.9 49.9				
Gasoline Range Hydrocarbons (GRO)		<50.0 50.0	<49.9 49.9				
Diesel Range Organics (DRO)		<50.0 50.0	<49.9 49.9				
Motor Oil Range Hydrocarbons (MRO)		<50.0 50.0	<49.9 49.9				
Total TPH		<50.0 50.0	<49.9 49.9				

BRL - Below Reporting Limit

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



Analytical Report 668619

for

Trinity Oilfield Services & Rentals, LLC

Project Manager: Ben Arguijo

Vortec 22 #1 Battery

08.06.2020

Collected By: Client



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

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-20-36), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)
Oklahoma (2019-058), North Carolina (681), Arkansas (20-035-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-20-25), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-17)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-22)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-19-19)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-7)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)
Xenco-Tampa: Florida (E87429), North Carolina (483)



08.06.2020

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

Reference: Eurofins Xenco, LLC Report No(s): **668619**
Vortec 22 #1 Battery
Project Address:

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) 668619. 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. 668619 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,

A handwritten signature in black ink that reads "Holly Taylor".

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 668619

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
GA-18 Floor Composite	S	07.29.2020 11:00		668619-001
GA-22 Floor Composite	S	07.29.2020 11:05		668619-002

**CASE NARRATIVE****Client Name: Trinity Oilfield Services & Rentals, LLC****Project Name: Vortec 22 #1 Battery**Project ID:
Work Order Number(s): 668619Report Date: 08.06.2020
Date Received: 07.30.2020**Sample receipt non conformances and comments:****Sample receipt non conformances and comments per sample:**

None

Analytical non conformances and comments:

Batch: LBA-3133525 BTEX by EPA 8021B

o-Xylene Relative Percent Difference (RPD) between matrix spike and duplicate was above quality control limits.

Samples in the analytical batch are: 668619-001, -002

Lab Sample ID 668619-001 was randomly selected for Matrix Spike/Matrix Spike Duplicate (MS/MSD). m,p-Xylenes, o-Xylene recovered below QC limits in the Matrix Spike. Ethylbenzene recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate. Outlier/s are due to possible matrix interference. Samples in the analytical batch are: 668619-001, -002.

The Laboratory Control Sample for m,p-Xylenes, Ethylbenzene, o-Xylene is within laboratory Control Limits, therefore the data was accepted.



Certificate of Analytical Results 668619

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-18 Floor Composite**

Matrix: Soil

Date Received: 07.30.2020 10:40

Lab Sample Id: 668619-001

Date Collected: 07.29.2020 11:00

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 07.31.2020 12:40

Basis: Wet Weight

Seq Number: 3133291

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	3690	50.0	mg/kg	07.31.2020 16:05		10

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 07.30.2020 16:00

Basis: Wet Weight

Seq Number: 3133198

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	07.30.2020 20:26	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	07.30.2020 20:26	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	07.30.2020 20:26	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	07.30.2020 20:26	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	116	%	70-130	07.30.2020 20:26	
o-Terphenyl	84-15-1	120	%	70-130	07.30.2020 20:26	



Certificate of Analytical Results 668619

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-18 Floor Composite**

Matrix: Soil

Date Received: 07.30.2020 10:40

Lab Sample Id: 668619-001

Date Collected: 07.29.2020 11:00

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: AMF

% Moisture:

Analyst: AMF

Date Prep: 08.04.2020 10:00

Basis: Wet Weight

Seq Number: 3133525

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	08.04.2020 15:45	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	08.04.2020 15:45	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	08.04.2020 15:45	UX	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	08.04.2020 15:45	UX	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	08.04.2020 15:45	UFX	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	08.04.2020 15:45	U	1
Total BTEX		<0.00199	0.00199	mg/kg	08.04.2020 15:45	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	112	%	70-130	08.04.2020 15:45		
4-Bromofluorobenzene	460-00-4	99	%	70-130	08.04.2020 15:45		



Certificate of Analytical Results 668619

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-22 Floor Composite**

Matrix: Soil

Date Received: 07.30.2020 10:40

Lab Sample Id: 668619-002

Date Collected: 07.29.2020 11:05

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 07.31.2020 12:40

Basis: Wet Weight

Seq Number: 3133291

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	3070	50.0	mg/kg	07.31.2020 16:11		10

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 07.30.2020 16:00

Basis: Wet Weight

Seq Number: 3133198

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	07.30.2020 20:45	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	07.30.2020 20:45	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	07.30.2020 20:45	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	07.30.2020 20:45	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	114	%	70-130	07.30.2020 20:45	
o-Terphenyl	84-15-1	120	%	70-130	07.30.2020 20:45	



Certificate of Analytical Results 668619

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-22 Floor Composite**

Matrix: Soil

Date Received: 07.30.2020 10:40

Lab Sample Id: 668619-002

Date Collected: 07.29.2020 11:05

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: AMF

% Moisture:

Analyst: AMF

Date Prep: 08.04.2020 10:00

Basis: Wet Weight

Seq Number: 3133525

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	08.04.2020 17:47	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	08.04.2020 17:47	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	08.04.2020 17:47	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	08.04.2020 17:47	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	08.04.2020 17:47	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	08.04.2020 17:47	U	1
Total BTEX		<0.00199	0.00199	mg/kg	08.04.2020 17:47	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	112	%	70-130	08.04.2020 17:47		
4-Bromofluorobenzene	460-00-4	109	%	70-130	08.04.2020 17:47		

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

Vortec 22 #1 Battery

Analytical Method: Chloride by EPA 300

Seq Number: 3133291

MB Sample Id: 7708495-1-BLK

Matrix: Solid

LCS Sample Id: 7708495-1-BKS

Prep Method: E300P

Date Prep: 07.31.2020

LCSD Sample Id: 7708495-1-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	260	104	261	104	90-110	0	20	mg/kg	07.31.2020 13:20	

Analytical Method: Chloride by EPA 300

Seq Number: 3133291

Parent Sample Id: 668592-006

Matrix: Soil

MS Sample Id: 668592-006 S

Prep Method: E300P

Date Prep: 07.31.2020

MSD Sample Id: 668592-006 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	21.5	252	261	95	276	101	90-110	6	20	mg/kg	07.31.2020 13:39	

Analytical Method: Chloride by EPA 300

Seq Number: 3133291

Parent Sample Id: 668610-001

Matrix: Soil

MS Sample Id: 668610-001 S

Prep Method: E300P

Date Prep: 07.31.2020

MSD Sample Id: 668610-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	9340	2500	11700	94	11800	98	90-110	1	20	mg/kg	07.31.2020 15:08	

Analytical Method: TPH By SW8015 Mod

Seq Number: 3133198

MB Sample Id: 7708446-1-BLK

Matrix: Solid

LCS Sample Id: 7708446-1-BKS

Prep Method: SW8015P

Date Prep: 07.30.2020

LCSD Sample Id: 7708446-1-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	881	88	933	93	70-130	6	20	mg/kg	07.30.2020 15:58	
Diesel Range Organics (DRO)	<50.0	1000	869	87	917	92	70-130	5	20	mg/kg	07.30.2020 15:58	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	125		123		130		70-130	%	07.30.2020 15:58
o-Terphenyl	116		120		130		70-130	%	07.30.2020 15:58

Analytical Method: TPH By SW8015 Mod

Seq Number: 3133198

Matrix: Solid

MB Sample Id: 7708446-1-BLK

Prep Method: SW8015P

Date Prep: 07.30.2020

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	07.30.2020 15:39	

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

Vortec 22 #1 Battery

Analytical Method: TPH By SW8015 Mod

Seq Number: 3133198

Parent Sample Id: 668541-001

Matrix: Soil

MS Sample Id: 668541-001 S

Prep Method: SW8015P

Date Prep: 07.30.2020

MSD Sample Id: 668541-001 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)	<49.8	996	984	99	1050	105	70-130	6	20	mg/kg	07.30.2020 16:56	
Diesel Range Organics (DRO)	126	996	1070	95	1160	104	70-130	8	20	mg/kg	07.30.2020 16:56	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	129		108		70-130	%	07.30.2020 16:56
o-Terphenyl	114		120		70-130	%	07.30.2020 16:56

Analytical Method: BTEX by EPA 8021B

Seq Number: 3133525

MB Sample Id: 7708682-1-BLK

Matrix: Solid

LCS Sample Id: 7708682-1-BKS

Prep Method: SW5035A

Date Prep: 08.04.2020

LCSD Sample Id: 7708682-1-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	0.114	114	0.110	110	70-130	4	35	mg/kg	08.04.2020 11:47	
Toluene	<0.00200	0.100	0.104	104	0.0958	96	70-130	8	35	mg/kg	08.04.2020 11:47	
Ethylbenzene	<0.00200	0.100	0.102	102	0.0914	91	70-130	11	35	mg/kg	08.04.2020 11:47	
m,p-Xylenes	<0.00400	0.200	0.201	101	0.178	89	70-130	12	35	mg/kg	08.04.2020 11:47	
o-Xylene	<0.00200	0.100	0.0975	98	0.0870	87	70-130	11	35	mg/kg	08.04.2020 11:47	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	109		101		102		70-130	%	08.04.2020 11:47
4-Bromofluorobenzene	88		99		88		70-130	%	08.04.2020 11:47

Analytical Method: BTEX by EPA 8021B

Seq Number: 3133525

Parent Sample Id: 668619-001

Matrix: Soil

MS Sample Id: 668619-001 S

Prep Method: SW5035A

Date Prep: 08.04.2020

MSD Sample Id: 668619-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.0998	0.107	107	0.105	106	70-130	2	35	mg/kg	08.04.2020 13:42	
Toluene	<0.00200	0.0998	0.0727	73	0.0832	84	70-130	13	35	mg/kg	08.04.2020 13:42	
Ethylbenzene	<0.00200	0.0998	0.0567	57	0.0680	69	70-130	18	35	mg/kg	08.04.2020 13:42	X
m,p-Xylenes	<0.00399	0.200	0.106	53	0.139	70	70-130	27	35	mg/kg	08.04.2020 13:42	X
o-Xylene	<0.00200	0.0998	0.0513	51	0.0766	77	70-130	40	35	mg/kg	08.04.2020 13:42	XF

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	107		104		70-130	%	08.04.2020 13:42
4-Bromofluorobenzene	78		93		70-130	%	08.04.2020 13:42

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:

0: Ulog 1019

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Page 1 of 1

Project Manager:	Ben J. Arguijo	Bill to: (if different)	Wade Dittrich
Company Name:	Trinity Oilfield Services & Rentals, LLC	Company Name:	OXY USA, Inc.
Address:	8426 N. Dal Paso	Address:	-
City, State ZIP:	Hobbs, NM 88242	City, State ZIP:	
Phone:	(575)390-7208	Email:	Wade.Dittrich@oxy.com & ben@trinityoilfieldservices.com

www.xenics.com Page 1 of 1	
Work Order Comments	
Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐ State of Project: Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐ Deliverables: EDD ☐ ADaPT ☐ 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

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	
1	<i>Greenville</i>	2	<i>Stephane</i>	7/29	4:35
3		4			
5		6			

41 MAF 9061 5134 6474 TRK# 0201

TX-US LBB MAF HLD PRIORITY OVERNIGHT THU - 30 JUL HOLD

EXPRESS 2780280121611

DEPT: REF: (432) 704-5440

MIDLAND TX 79711

3600 COUNTY ROAD 1276 SOUTH

FEDEX EXPRESS SHIP CENTER

XENCO HOLD FOR PICKUP

UNITED STATES US

HOBBS, NM 88240

MAIL SERVICES ETC

4000 N GRIMES

ORIGIN ID: H0BA (5/5) 397-135W

SHIP DATE: 29 JUL 20

ACTWGT: 5.00 LB MON

CD: 0103952/CAFE3313

DIMS: 11X11X9 IN

BILL THIRD PARTY

565CJ/CA96/0892

Eurofins Xenco, LLC

Prelogin/Nonconformance Report- Sample Log-In

Client: Trinity Oilfield Services & Rentals, LLC

Date/ Time Received: 07.30.2020 10.40.00 AM

Work Order #: 668619

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)?	2.5
#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 BTEX was in bulk container
#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: 07.30.2020

Checklist reviewed by:



Holly Taylor

Date: 07.31.2020

Certificate of Analysis Summary 668757

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: Vortec 22 #1 Battery

Project Id:

Date Received in Lab: Fri 07.31.2020 11:00

Contact: Ben Arguijo

Report Date: 08.07.2020 10:23

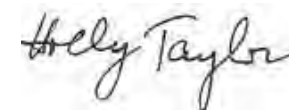
Project Location: Lea County, NM

Project Manager: Holly Taylor

Analysis Requested	Lab Id:	668757-001	668757-002	668757-003			
	Field Id:	GA-31 Floor Composite	GA-32 Floor Composite	GA-31,32 E. Wall Compo			
	Depth:						
	Matrix:	SOIL	SOIL	SOIL			
	Sampled:	07.30.2020 13:30	07.30.2020 13:35	07.30.2020 13:40			
BTEX by EPA 8021B	Extracted:	08.05.2020 16:00	08.05.2020 16:00	08.05.2020 16:00			
	Analyzed:	08.05.2020 22:31	08.05.2020 22:51	08.05.2020 23:12			
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL			
		<0.00200 0.00200	<0.00200 0.00200	<0.00199 0.00199			
Benzene							
Toluene							
Ethylbenzene							
m,p-Xylenes							
o-Xylene							
Total Xylenes							
Total BTEX							
Chloride by EPA 300	Extracted:	07.31.2020 15:00	07.31.2020 15:00	07.31.2020 15:00			
	Analyzed:	07.31.2020 16:26	07.31.2020 16:32	07.31.2020 16:37			
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL			
		19600 250	8850 50.5	3690 24.8			
Chloride							
TPH By SW8015 Mod	Extracted:	08.01.2020 11:00	08.01.2020 11:00	08.01.2020 11:00			
	Analyzed:	08.01.2020 15:40	08.01.2020 16:43	08.01.2020 17:05			
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL			
		<50.0 50.0	<49.8 49.8	<50.0 50.0			
Gasoline Range Hydrocarbons (GRO)							
Diesel Range Organics (DRO)							
Motor Oil Range Hydrocarbons (MRO)							
Total TPH							

BRL - Below Reporting Limit

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





Analytical Report 668757

for

Trinity Oilfield Services & Rentals, LLC

Project Manager: Ben Arguijo

Vortec 22 #1 Battery

08.07.2020

Collected By: Client



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

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-20-36), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)
Oklahoma (2019-058), North Carolina (681), Arkansas (20-035-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-20-25), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-17)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-22)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-19-19)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-7)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)
Xenco-Tampa: Florida (E87429), North Carolina (483)



08.07.2020

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

Reference: Eurofins Xenco, LLC Report No(s): **668757**
Vortec 22 #1 Battery
Project Address: Lea County, 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) 668757. 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. 668757 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,

A handwritten signature in black ink that reads "Holly Taylor".

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 668757****Trinity Oilfield Services & Rentals, LLC, Hobbs, NM**

Vortec 22 #1 Battery

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
GA-31 Floor Composite	S	07.30.2020 13:30		668757-001
GA-32 Floor Composite	S	07.30.2020 13:35		668757-002
GA-31,32 E. Wall Composite	S	07.30.2020 13:40		668757-003

**CASE NARRATIVE****Client Name: Trinity Oilfield Services & Rentals, LLC****Project Name: Vortec 22 #1 Battery**Project ID:
Work Order Number(s): 668757Report Date: 08.07.2020
Date Received: 07.31.2020**Sample receipt non conformances and comments:****Sample receipt non conformances and comments per sample:**

None

Analytical non conformances and comments:

Batch: LBA-3133691 BTEX by EPA 8021B

Surrogate 4-Bromofluorobenzene recovered above QC limits. Matrix interferences is suspected.

Samples affected are: 668757-003.

Lab Sample ID 668757-001 was randomly selected for Matrix Spike/Matrix Spike Duplicate (MS/MSD). Benzene, Ethylbenzene, Toluene, m,p-Xylenes, o-Xylene recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate. Outlier/s are due to possible matrix interference. Samples in the analytical batch are: 668757-001, -002, -003.

The Laboratory Control Sample for Toluene, Benzene, m,p-Xylenes, Ethylbenzene, o-Xylene is within laboratory Control Limits, therefore the data was accepted.



Certificate of Analytical Results 668757

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-31 Floor Composite**

Matrix: Soil

Date Received: 07.31.2020 11:00

Lab Sample Id: 668757-001

Date Collected: 07.30.2020 13:30

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 07.31.2020 15:00

Basis: Wet Weight

Seq Number: 3133292

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	19600	250	mg/kg	07.31.2020 16:26		50

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 08.01.2020 11:00

Basis: Wet Weight

Seq Number: 3133327

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	08.01.2020 15:40	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	08.01.2020 15:40	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	08.01.2020 15:40	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	08.01.2020 15:40	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	107	%	70-130	08.01.2020 15:40	
o-Terphenyl	84-15-1	104	%	70-130	08.01.2020 15:40	



Certificate of Analytical Results 668757

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-31 Floor Composite**

Matrix: Soil

Date Received: 07.31.2020 11:00

Lab Sample Id: 668757-001

Date Collected: 07.30.2020 13:30

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 08.05.2020 16:00

Basis: Wet Weight

Seq Number: 3133691

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	08.05.2020 22:31	UX	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	08.05.2020 22:31	UX	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	08.05.2020 22:31	UX	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	08.05.2020 22:31	UX	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	08.05.2020 22:31	UX	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	08.05.2020 22:31	U	1
Total BTEX		<0.00200	0.00200	mg/kg	08.05.2020 22:31	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	105	%	70-130	08.05.2020 22:31		
4-Bromofluorobenzene	460-00-4	128	%	70-130	08.05.2020 22:31		



Certificate of Analytical Results 668757

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-32 Floor Composite**

Matrix: Soil

Date Received: 07.31.2020 11:00

Lab Sample Id: 668757-002

Date Collected: 07.30.2020 13:35

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 07.31.2020 15:00

Basis: Wet Weight

Seq Number: 3133292

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	8850	50.5	mg/kg	07.31.2020 16:32		10

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 08.01.2020 11:00

Basis: Wet Weight

Seq Number: 3133327

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	08.01.2020 16:43	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	08.01.2020 16:43	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	08.01.2020 16:43	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	08.01.2020 16:43	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	105	%	70-130	08.01.2020 16:43	
o-Terphenyl	84-15-1	100	%	70-130	08.01.2020 16:43	



Certificate of Analytical Results 668757

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-32 Floor Composite**

Matrix: Soil

Date Received: 07.31.2020 11:00

Lab Sample Id: 668757-002

Date Collected: 07.30.2020 13:35

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 08.05.2020 16:00

Basis: Wet Weight

Seq Number: 3133691

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	08.05.2020 22:51	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	08.05.2020 22:51	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	08.05.2020 22:51	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	08.05.2020 22:51	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	08.05.2020 22:51	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	08.05.2020 22:51	U	1
Total BTEX		<0.00200	0.00200	mg/kg	08.05.2020 22:51	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	103	%	70-130	08.05.2020 22:51		
4-Bromofluorobenzene	460-00-4	126	%	70-130	08.05.2020 22:51		



Certificate of Analytical Results 668757

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-31,32 E. Wall Composite**

Matrix: Soil

Date Received: 07.31.2020 11:00

Lab Sample Id: 668757-003

Date Collected: 07.30.2020 13:40

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 07.31.2020 15:00

Basis: Wet Weight

Seq Number: 3133292

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	3690	24.8	mg/kg	07.31.2020 16:37		5

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 08.01.2020 11:00

Basis: Wet Weight

Seq Number: 3133327

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	08.01.2020 17:05	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	08.01.2020 17:05	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	08.01.2020 17:05	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	08.01.2020 17:05	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	107	%	70-130	08.01.2020 17:05	
o-Terphenyl	84-15-1	98	%	70-130	08.01.2020 17:05	



Certificate of Analytical Results 668757

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-31,32 E. Wall Composite**

Matrix: Soil

Date Received: 07.31.2020 11:00

Lab Sample Id: 668757-003

Date Collected: 07.30.2020 13:40

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 08.05.2020 16:00

Basis: Wet Weight

Seq Number: 3133691

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	08.05.2020 23:12	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	08.05.2020 23:12	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	08.05.2020 23:12	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	08.05.2020 23:12	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	08.05.2020 23:12	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	08.05.2020 23:12	U	1
Total BTEX		<0.00199	0.00199	mg/kg	08.05.2020 23:12	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	104	%	70-130	08.05.2020 23:12		
4-Bromofluorobenzene	460-00-4	134	%	70-130	08.05.2020 23:12	**	



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

Vortec 22 #1 Battery

Analytical Method: Chloride by EPA 300

Seq Number: 3133292

MB Sample Id: 7708499-1-BLK

Matrix: Solid

LCS Sample Id: 7708499-1-BKS

Prep Method: E300P

Date Prep: 07.31.2020

LCSD Sample Id: 7708499-1-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	251	100	258	103	90-110	3	20	mg/kg	07.31.2020 15:23	

Analytical Method: Chloride by EPA 300

Seq Number: 3133292

Parent Sample Id: 668639-003

Matrix: Soil

MS Sample Id: 668639-003 S

Prep Method: E300P

Date Prep: 07.31.2020

MSD Sample Id: 668639-003 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	682	252	903	88	907	89	90-110	0	20	mg/kg	07.31.2020 15:39	X

Analytical Method: Chloride by EPA 300

Seq Number: 3133292

Parent Sample Id: 668758-002

Matrix: Soil

MS Sample Id: 668758-002 S

Prep Method: E300P

Date Prep: 07.31.2020

MSD Sample Id: 668758-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	14.5	251	289	109	288	109	90-110	0	20	mg/kg	07.31.2020 16:53	

Analytical Method: TPH By SW8015 Mod

Seq Number: 3133327

MB Sample Id: 7708575-1-BLK

Matrix: Solid

LCS Sample Id: 7708575-1-BKS

Prep Method: SW8015P

Date Prep: 08.01.2020

LCSD Sample Id: 7708575-1-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	895	90	849	85	70-130	5	20	mg/kg	08.01.2020 14:58	
Diesel Range Organics (DRO)	<50.0	1000	940	94	898	90	70-130	5	20	mg/kg	08.01.2020 14:58	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	96		111		107		70-130	%	08.01.2020 14:58
o-Terphenyl	94		109		103		70-130	%	08.01.2020 14:58

Analytical Method: TPH By SW8015 Mod

Seq Number: 3133327

Matrix: Solid

MB Sample Id: 7708575-1-BLK

Prep Method: SW8015P

Date Prep: 08.01.2020

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	08.01.2020 14:36	

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

Vortec 22 #1 Battery

Analytical Method: TPH By SW8015 Mod

Seq Number: 3133327

Parent Sample Id: 668757-001

Matrix: Soil

MS Sample Id: 668757-001 S

Prep Method: SW8015P

Date Prep: 08.01.2020

MSD Sample Id: 668757-001 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	998	811	81	819	82	70-130	1	20	mg/kg	08.01.2020 16:01	
Diesel Range Organics (DRO)	<49.9	998	834	84	850	85	70-130	2	20	mg/kg	08.01.2020 16:01	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	111		111		70-130	%	08.01.2020 16:01
o-Terphenyl	107		106		70-130	%	08.01.2020 16:01

Analytical Method: BTEX by EPA 8021B

Seq Number: 3133691

MB Sample Id: 7708814-1-BLK

Matrix: Solid

LCS Sample Id: 7708814-1-BKS

Prep Method: SW5035A

Date Prep: 08.05.2020

LCSD Sample Id: 7708814-1-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	0.0835	84	0.0819	82	70-130	2	35	mg/kg	08.05.2020 20:08	
Toluene	<0.00200	0.100	0.0905	91	0.0904	90	70-130	0	35	mg/kg	08.05.2020 20:08	
Ethylbenzene	<0.00200	0.100	0.0982	98	0.0981	98	70-130	0	35	mg/kg	08.05.2020 20:08	
m,p-Xylenes	<0.00400	0.200	0.197	99	0.198	99	70-130	1	35	mg/kg	08.05.2020 20:08	
o-Xylene	<0.00200	0.100	0.0971	97	0.0970	97	70-130	0	35	mg/kg	08.05.2020 20:08	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	102		93		92		70-130	%	08.05.2020 20:08
4-Bromofluorobenzene	111		116		117		70-130	%	08.05.2020 20:08

Analytical Method: BTEX by EPA 8021B

Seq Number: 3133691

Parent Sample Id: 668757-001

Matrix: Soil

MS Sample Id: 668757-001 S

Prep Method: SW5035A

Date Prep: 08.05.2020

MSD Sample Id: 668757-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00201	0.100	0.0626	63	0.0664	67	70-130	6	35	mg/kg	08.05.2020 20:49	X
Toluene	<0.00201	0.100	0.0615	62	0.0675	68	70-130	9	35	mg/kg	08.05.2020 20:49	X
Ethylbenzene	<0.00201	0.100	0.0602	60	0.0679	68	70-130	12	35	mg/kg	08.05.2020 20:49	X
m,p-Xylenes	<0.00402	0.201	0.118	59	0.134	68	70-130	13	35	mg/kg	08.05.2020 20:49	X
o-Xylene	<0.00201	0.100	0.0578	58	0.0655	66	70-130	12	35	mg/kg	08.05.2020 20:49	X

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	97		97		70-130	%	08.05.2020 20:49
4-Bromofluorobenzene	110		120		70-130	%	08.05.2020 20:49

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

41 MAF 9061 5134 6533

TX-US LBB MAF HLD

PRIORITY OVERNIGHT

FRI - 31 JUL HOLD

TRK# 0201

555C3/C6R6/M5A2

J191219082001LUV

FedEx Express

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

MIDLAND TX 79711

3600 COUNTY ROAD 1276 SOUTH

FEDEX EXPRESS SHIP CENTER

FEDEX EXPRESS SHIP CENTER

TO XENCO HOLD FOR PICKUP

ORIGIN ID: H08A (575) 392-7550

MAIL SERVICES ETC

4008 N GRIMES

HOBBS, NM 88240

UNITED STATES US

SHIP DATE: 30JUL20

ACTWGT: 6.00 LB MAN

CAD: 01033652/CPEE3313

DIMS: 12X11X9 IN

BILL THIRD PARTY

Eurofins Xenco, LLC

Prelogin/Nonconformance Report- Sample Log-In

Client: Trinity Oilfield Services & Rentals, LLC**Date/ Time Received:** 07.31.2020 11.00.00 AM**Work Order #:** 668757**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
#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: 07.31.2020

Checklist reviewed by:

Holly Taylor

Date: 07.31.2020

Certificate of Analysis Summary 669163



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: Vortec 22 #1 Battery

Project Id:

Date Received in Lab: Wed 08.05.2020 10:51

Contact: Ben Arguijo

Report Date: 08.12.2020 17:03

Project Location: Lea County, New Mexico

Project Manager: Holly Taylor

Analysis Requested	Lab Id:	669163-001	669163-002	669163-003	669163-004	669163-005	669163-006
	Field Id:	GA-15 N. Wall Composit	GA-15 W. Wall Composit	GA-15 Floor Composite	GA-16 Floor Composite	GA-17 NW Wall Compos	GA-17 Floor Composite
	Depth:						
	Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Sampled:	08.03.2020 10:35	08.03.2020 10:30	08.03.2020 10:40	08.03.2020 10:45	08.03.2020 10:50	08.03.2020 10:55
BTEX by EPA 8021B	Extracted:	08.07.2020 17:00	08.07.2020 17:00	08.07.2020 17:00	08.07.2020 17:00	08.07.2020 17:00	08.07.2020 17:00
	Analyzed:	08.09.2020 04:38	08.09.2020 04:59	08.09.2020 05:19	08.09.2020 05:40	08.09.2020 06:00	08.09.2020 06:21
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Benzene		<0.00199 0.00199	<0.00200 0.00200	<0.00201 0.00201	<0.00201 0.00201	<0.00199 0.00199	<0.00202 0.00202
Toluene		<0.00199 0.00199	0.00283 0.00200	<0.00201 0.00201	<0.00201 0.00201	<0.00199 0.00199	<0.00202 0.00202
Ethylbenzene		<0.00199 0.00199	<0.00200 0.00200	<0.00201 0.00201	<0.00201 0.00201	<0.00199 0.00199	<0.00202 0.00202
m,p-Xylenes		<0.00398 0.00398	<0.00401 0.00401	<0.00402 0.00402	<0.00402 0.00402	<0.00398 0.00398	<0.00404 0.00404
o-Xylene		<0.00199 0.00199	<0.00200 0.00200	<0.00201 0.00201	<0.00201 0.00201	<0.00199 0.00199	<0.00202 0.00202
Total Xylenes		<0.00199 0.00199	<0.00200 0.00200	<0.00201 0.00201	<0.00201 0.00201	<0.00199 0.00199	<0.00202 0.00202
Total BTEX		<0.00199 0.00199	0.00283 0.00200	<0.00201 0.00201	<0.00201 0.00201	<0.00199 0.00199	<0.00202 0.00202
Chloride by EPA 300	Extracted:	08.05.2020 15:30	08.05.2020 15:30	08.05.2020 15:30	08.05.2020 15:30	08.05.2020 15:30	08.05.2020 15:30
	Analyzed:	08.05.2020 18:46	08.05.2020 18:51	08.05.2020 18:57	08.05.2020 19:02	08.05.2020 19:07	08.06.2020 10:52
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		948 50.0	219 99.8	3450 50.5	6650 50.5	103 5.05	4550 50.0
TPH By SW8015 Mod	Extracted:	08.06.2020 17:00	08.06.2020 17:00	08.06.2020 17:00	08.06.2020 17:00	08.05.2020 12:00	08.05.2020 12:00
	Analyzed:	08.07.2020 00:03	08.07.2020 00:24	08.07.2020 00:45	08.07.2020 01:06	08.05.2020 20:00	08.05.2020 20:21
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Gasoline Range Hydrocarbons (GRO)		<49.8 49.8	<50.0 50.0	<49.9 49.9	<50.0 50.0	<49.9 49.9	<49.9 49.9
Diesel Range Organics (DRO)		<49.8 49.8	<50.0 50.0	<49.9 49.9	<50.0 50.0	<49.9 49.9	<49.9 49.9
Motor Oil Range Hydrocarbons (MRO)		<49.8 49.8	<50.0 50.0	<49.9 49.9	<50.0 50.0	<49.9 49.9	<49.9 49.9
Total TPH		<49.8 49.8	<50.0 50.0	<49.9 49.9	<50.0 50.0	<49.9 49.9	<49.9 49.9

BRL - Below Reporting Limit

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

Analytical Report 669163

for

Trinity Oilfield Services & Rentals, LLC

Project Manager: Ben Arguijo

Vortec 22 #1 Battery

08.12.2020

Collected By: Client



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

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-20-36), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)
Oklahoma (2019-058), North Carolina (681), Arkansas (20-035-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-20-25), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-17)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-22)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-19-19)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-7)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)
Xenco-Tampa: Florida (E87429), North Carolina (483)



08.12.2020

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

Reference: Eurofins Xenco, LLC Report No(s): **669163**
Vortec 22 #1 Battery
Project Address: Lea County, New Mexico

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) 669163. 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. 669163 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,

A handwritten signature in black ink that reads "Holly Taylor".

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 669163****Trinity Oilfield Services & Rentals, LLC, Hobbs, NM**

Vortec 22 #1 Battery

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
GA-15 N. Wall Composite	S	08.03.2020 10:35		669163-001
GA-15 W. Wall Composite	S	08.03.2020 10:30		669163-002
GA-15 Floor Composite	S	08.03.2020 10:40		669163-003
GA-16 Floor Composite	S	08.03.2020 10:45		669163-004
GA-17 NW Wall Composite	S	08.03.2020 10:50		669163-005
GA-17 Floor Composite	S	08.03.2020 10:55		669163-006



CASE NARRATIVE

Client Name: Trinity Oilfield Services & Rentals, LLC

Project Name: Vortec 22 #1 Battery

Project ID:
Work Order Number(s): 669163

Report Date: 08.12.2020
Date Received: 08.05.2020

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None



Certificate of Analytical Results 669163

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-15 N. Wall Composite**

Matrix: Soil

Date Received: 08.05.2020 10:51

Lab Sample Id: 669163-001

Date Collected: 08.03.2020 10:35

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 08.05.2020 15:30

Basis: Wet Weight

Seq Number: 3133696

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	948	50.0	mg/kg	08.05.2020 18:46		10

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 08.06.2020 17:00

Basis: Wet Weight

Seq Number: 3133888

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	08.07.2020 00:03	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	08.07.2020 00:03	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	08.07.2020 00:03	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	08.07.2020 00:03	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	84	%	70-130	08.07.2020 00:03	
o-Terphenyl	84-15-1	90	%	70-130	08.07.2020 00:03	



Certificate of Analytical Results 669163

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-15 N. Wall Composite**

Matrix: Soil

Date Received: 08.05.2020 10:51

Lab Sample Id: 669163-001

Date Collected: 08.03.2020 10:35

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 08.07.2020 17:00

Basis: Wet Weight

Seq Number: 3133955

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	08.09.2020 04:38	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	08.09.2020 04:38	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	08.09.2020 04:38	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	08.09.2020 04:38	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	08.09.2020 04:38	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	08.09.2020 04:38	U	1
Total BTEX		<0.00199	0.00199	mg/kg	08.09.2020 04:38	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	129	%	70-130	08.09.2020 04:38		
1,4-Difluorobenzene	540-36-3	106	%	70-130	08.09.2020 04:38		



Certificate of Analytical Results 669163

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-15 W. Wall Composite**

Matrix: Soil

Date Received: 08.05.2020 10:51

Lab Sample Id: 669163-002

Date Collected: 08.03.2020 10:30

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 08.05.2020 15:30

Basis: Wet Weight

Seq Number: 3133696

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	219	99.8	mg/kg	08.05.2020 18:51		20

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 08.06.2020 17:00

Basis: Wet Weight

Seq Number: 3133888

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	08.07.2020 00:24	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	08.07.2020 00:24	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	08.07.2020 00:24	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	08.07.2020 00:24	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	84	%	70-130	08.07.2020 00:24	
o-Terphenyl	84-15-1	88	%	70-130	08.07.2020 00:24	



Certificate of Analytical Results 669163

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-15 W. Wall Composite**

Matrix: Soil

Date Received: 08.05.2020 10:51

Lab Sample Id: 669163-002

Date Collected: 08.03.2020 10:30

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 08.07.2020 17:00

Basis: Wet Weight

Seq Number: 3133955

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	08.09.2020 04:59	U	1
Toluene	108-88-3	0.00283	0.00200	mg/kg	08.09.2020 04:59		1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	08.09.2020 04:59	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	08.09.2020 04:59	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	08.09.2020 04:59	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	08.09.2020 04:59	U	1
Total BTEX		0.00283	0.00200	mg/kg	08.09.2020 04:59		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	106	%	70-130	08.09.2020 04:59		
4-Bromofluorobenzene	460-00-4	129	%	70-130	08.09.2020 04:59		



Certificate of Analytical Results 669163

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-15 Floor Composite**

Matrix: Soil

Date Received: 08.05.2020 10:51

Lab Sample Id: 669163-003

Date Collected: 08.03.2020 10:40

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 08.05.2020 15:30

Basis: Wet Weight

Seq Number: 3133696

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	3450	50.5	mg/kg	08.05.2020 18:57		10

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 08.06.2020 17:00

Basis: Wet Weight

Seq Number: 3133888

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	08.07.2020 00:45	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	08.07.2020 00:45	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	08.07.2020 00:45	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	08.07.2020 00:45	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	83	%	70-130	08.07.2020 00:45	
o-Terphenyl	84-15-1	89	%	70-130	08.07.2020 00:45	



Certificate of Analytical Results 669163

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-15 Floor Composite**

Matrix: Soil

Date Received: 08.05.2020 10:51

Lab Sample Id: 669163-003

Date Collected: 08.03.2020 10:40

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 08.07.2020 17:00

Basis: Wet Weight

Seq Number: 3133955

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	08.09.2020 05:19	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	08.09.2020 05:19	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	08.09.2020 05:19	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	08.09.2020 05:19	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	08.09.2020 05:19	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	08.09.2020 05:19	U	1
Total BTEX		<0.00201	0.00201	mg/kg	08.09.2020 05:19	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	115	%	70-130	08.09.2020 05:19		
4-Bromofluorobenzene	460-00-4	105	%	70-130	08.09.2020 05:19		



Certificate of Analytical Results 669163

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-16 Floor Composite**

Matrix: Soil

Date Received: 08.05.2020 10:51

Lab Sample Id: 669163-004

Date Collected: 08.03.2020 10:45

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 08.05.2020 15:30

Basis: Wet Weight

Seq Number: 3133696

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	6650	50.5	mg/kg	08.05.2020 19:02		10

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 08.06.2020 17:00

Basis: Wet Weight

Seq Number: 3133888

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	08.07.2020 01:06	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	08.07.2020 01:06	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	08.07.2020 01:06	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	08.07.2020 01:06	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	90	%	70-130	08.07.2020 01:06	
o-Terphenyl	84-15-1	93	%	70-130	08.07.2020 01:06	



Certificate of Analytical Results 669163

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-16 Floor Composite**

Matrix: Soil

Date Received: 08.05.2020 10:51

Lab Sample Id: 669163-004

Date Collected: 08.03.2020 10:45

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 08.07.2020 17:00

Basis: Wet Weight

Seq Number: 3133955

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	08.09.2020 05:40	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	08.09.2020 05:40	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	08.09.2020 05:40	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	08.09.2020 05:40	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	08.09.2020 05:40	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	08.09.2020 05:40	U	1
Total BTEX		<0.00201	0.00201	mg/kg	08.09.2020 05:40	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	115	%	70-130	08.09.2020 05:40		
4-Bromofluorobenzene	460-00-4	100	%	70-130	08.09.2020 05:40		



Certificate of Analytical Results 669163

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-17 NW Wall Composite**

Matrix: Soil

Date Received: 08.05.2020 10:51

Lab Sample Id: 669163-005

Date Collected: 08.03.2020 10:50

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 08.05.2020 15:30

Basis: Wet Weight

Seq Number: 3133696

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	103	5.05	mg/kg	08.05.2020 19:07		1

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 08.05.2020 12:00

Basis: Wet Weight

Seq Number: 3133738

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	08.05.2020 20:00	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	08.05.2020 20:00	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	08.05.2020 20:00	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	08.05.2020 20:00	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	111	%	70-130	08.05.2020 20:00	
o-Terphenyl	84-15-1	115	%	70-130	08.05.2020 20:00	



Certificate of Analytical Results 669163

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-17 NW Wall Composite**

Matrix: Soil

Date Received: 08.05.2020 10:51

Lab Sample Id: 669163-005

Date Collected: 08.03.2020 10:50

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 08.07.2020 17:00

Basis: Wet Weight

Seq Number: 3133955

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	08.09.2020 06:00	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	08.09.2020 06:00	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	08.09.2020 06:00	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	08.09.2020 06:00	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	08.09.2020 06:00	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	08.09.2020 06:00	U	1
Total BTEX		<0.00199	0.00199	mg/kg	08.09.2020 06:00	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	118	%	70-130	08.09.2020 06:00		
4-Bromofluorobenzene	460-00-4	104	%	70-130	08.09.2020 06:00		



Certificate of Analytical Results 669163

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-17 Floor Composite**

Matrix: Soil

Date Received: 08.05.2020 10:51

Lab Sample Id: 669163-006

Date Collected: 08.03.2020 10:55

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 08.05.2020 15:30

Basis: Wet Weight

Seq Number: 3133696

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	4550	50.0	mg/kg	08.06.2020 10:52		10

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 08.05.2020 12:00

Basis: Wet Weight

Seq Number: 3133738

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	08.05.2020 20:21	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	08.05.2020 20:21	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	08.05.2020 20:21	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	08.05.2020 20:21	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	112	%	70-130	08.05.2020 20:21	
o-Terphenyl	84-15-1	116	%	70-130	08.05.2020 20:21	



Certificate of Analytical Results 669163

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-17 Floor Composite**

Matrix: Soil

Date Received: 08.05.2020 10:51

Lab Sample Id: 669163-006

Date Collected: 08.03.2020 10:55

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 08.07.2020 17:00

Basis: Wet Weight

Seq Number: 3133955

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	08.09.2020 06:21	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	08.09.2020 06:21	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	08.09.2020 06:21	U	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	08.09.2020 06:21	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	08.09.2020 06:21	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	08.09.2020 06:21	U	1
Total BTEX		<0.00202	0.00202	mg/kg	08.09.2020 06:21	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	116	%	70-130	08.09.2020 06:21		
4-Bromofluorobenzene	460-00-4	106	%	70-130	08.09.2020 06:21		



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

Vortec 22 #1 Battery

Analytical Method: Chloride by EPA 300

Seq Number: 3133696

Matrix: Solid

Prep Method: E300P

Date Prep: 08.05.2020

MB Sample Id: 7708786-1-BLK

LCS Sample Id: 7708786-1-BKS

LCSD Sample Id: 7708786-1-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	271	108	270	108	90-110	0	20	mg/kg	08.05.2020 16:45	

Analytical Method: Chloride by EPA 300

Seq Number: 3133696

Matrix: Soil

Prep Method: E300P

Date Prep: 08.05.2020

Parent Sample Id: 669118-021

MS Sample Id: 669118-021 S

MSD Sample Id: 669118-021 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	670	249	935	106	932	105	90-110	0	20	mg/kg	08.05.2020 17:01	

Analytical Method: Chloride by EPA 300

Seq Number: 3133696

Matrix: Soil

Prep Method: E300P

Date Prep: 08.05.2020

Parent Sample Id: 669122-007

MS Sample Id: 669122-007 S

MSD Sample Id: 669122-007 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	44.9	248	324	113	322	112	90-110	1	20	mg/kg	08.05.2020 18:14	X

Analytical Method: TPH By SW8015 Mod

Seq Number: 3133738

Matrix: Solid

Prep Method: SW8015P

Date Prep: 08.05.2020

MB Sample Id: 7708795-1-BLK

LCS Sample Id: 7708795-1-BKS

LCSD Sample Id: 7708795-1-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	1090	109	1070	107	70-130	2	20	mg/kg	08.05.2020 11:44	
Diesel Range Organics (DRO)	<50.0	1000	1120	112	1120	112	70-130	0	20	mg/kg	08.05.2020 11:44	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	119		125		121		70-130	%	08.05.2020 11:44
o-Terphenyl	125		124		123		70-130	%	08.05.2020 11:44

Analytical Method: TPH By SW8015 Mod

Seq Number: 3133888

Matrix: Solid

Prep Method: SW8015P

Date Prep: 08.06.2020

MB Sample Id: 7708925-1-BLK

LCS Sample Id: 7708925-1-BKS

LCSD Sample Id: 7708925-1-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	838	84	70-130	2	20	mg/kg	08.06.2020 21:15	
Diesel Range Organics (DRO)	<50.0	1000	837	84	820	82	70-130	2	20	mg/kg	08.06.2020 21:15	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	88		89		96		70-130	%	08.06.2020 21:15
o-Terphenyl	91		89		98		70-130	%	08.06.2020 21:15

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

Vortec 22 #1 Battery

Analytical Method: TPH By SW8015 Mod

Seq Number: 3133738

Matrix: Solid

Prep Method: SW8015P

Date Prep: 08.05.2020

MB Sample Id: 7708795-1-BLK

Parameter

Motor Oil Range Hydrocarbons (MRO)

MB
Result

<50.0

Units

mg/kg

Analysis
Date

08.05.2020 11:23

Flag

Analytical Method: TPH By SW8015 Mod

Seq Number: 3133888

Matrix: Solid

Prep Method: SW8015P

Date Prep: 08.06.2020

MB Sample Id: 7708925-1-BLK

Parameter

Motor Oil Range Hydrocarbons (MRO)

MB
Result

<50.0

Units

mg/kg

Analysis
Date

08.06.2020 20:54

Flag

Analytical Method: TPH By SW8015 Mod

Seq Number: 3133738

Matrix: Soil

Prep Method: SW8015P

Date Prep: 08.05.2020

Parent Sample Id: 669118-001

MS Sample Id: 669118-001 S

MSD Sample Id: 669118-001 SD

Parameter

Gasoline Range Hydrocarbons (GRO)

Parent
Result

<49.9

Spike
Amount

997

MS
Result

839

MS
%Rec

84

MSD
Result

847

MSD
%Rec

85

Limits

70-130

%RPD

1

RPD
Limit

20

Units

mg/kg

Analysis
Date

08.05.2020 12:48

Flag

Diesel Range Organics (DRO)

<49.9

997

914

92

915

92

70-130

0

20

mg/kg

08.05.2020 12:48

Surrogate

1-Chlorooctane

MS
%Rec

101

MS
FlagMSD
%Rec

102

MSD
Flag

Limits

70-130

Units

%

Analysis
Date

08.05.2020 12:48

o-Terphenyl

97

102

70-130

%

08.05.2020 12:48

Analytical Method: TPH By SW8015 Mod

Seq Number: 3133888

Matrix: Soil

Prep Method: SW8015P

Date Prep: 08.06.2020

Parent Sample Id: 669110-001

MS Sample Id: 669110-001 S

MSD Sample Id: 669110-001 SD

Parameter

Gasoline Range Hydrocarbons (GRO)

Parent
Result

<49.8

Spike
Amount

996

MS
Result

782

MS
%Rec

79

MSD
Result

780

MSD
%Rec

78

Limits

70-130

%RPD

0

RPD
Limit

20

Units

mg/kg

Analysis
Date

08.06.2020 22:18

Flag

Diesel Range Organics (DRO)

<49.8

996

819

82

816

82

70-130

0

20

mg/kg

08.06.2020 22:18

Surrogate

1-Chlorooctane

MS
%Rec

90

MS
FlagMSD
%Rec

90

MSD
Flag

Limits

70-130

Units

%

Analysis
Date

08.06.2020 22:18

o-Terphenyl

89

88

70-130

%

08.06.2020 22:18

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

Vortec 22 #1 Battery

Analytical Method: BTEX by EPA 8021B

Seq Number: 3133955

Matrix: Solid

Prep Method: SW5035A

Date Prep: 08.07.2020

MB Sample Id: 7709022-1-BLK

LCS Sample Id: 7709022-1-BKS

LCSD Sample Id: 7709022-1-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	0.0868	87	0.0912	91	70-130	5	35	mg/kg	08.08.2020 20:49	
Toluene	<0.00200	0.100	0.0886	89	0.0904	90	70-130	2	35	mg/kg	08.08.2020 20:49	
Ethylbenzene	<0.00200	0.100	0.0904	90	0.0910	91	70-130	1	35	mg/kg	08.08.2020 20:49	
m,p-Xylenes	<0.00400	0.200	0.181	91	0.181	91	70-130	0	35	mg/kg	08.08.2020 20:49	
o-Xylene	<0.00200	0.100	0.0918	92	0.0919	92	70-130	0	35	mg/kg	08.08.2020 20:49	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	104		98		99		70-130	%	08.08.2020 20:49
4-Bromofluorobenzene	111		104		103		70-130	%	08.08.2020 20:49

Analytical Method: BTEX by EPA 8021B

Seq Number: 3133955

Matrix: Soil

Prep Method: SW5035A

Date Prep: 08.07.2020

Parent Sample Id: 669268-008

MS Sample Id: 669268-008 S

MSD Sample Id: 669268-008 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00199	0.0996	0.0743	75	0.0728	73	70-130	2	35	mg/kg	08.08.2020 21:30	
Toluene	<0.00199	0.0996	0.0723	73	0.0703	70	70-130	3	35	mg/kg	08.08.2020 21:30	
Ethylbenzene	<0.00199	0.0996	0.0723	73	0.0697	70	70-130	4	35	mg/kg	08.08.2020 21:30	
m,p-Xylenes	<0.00398	0.199	0.144	72	0.138	69	70-130	4	35	mg/kg	08.08.2020 21:30	X
o-Xylene	<0.00199	0.0996	0.0729	73	0.0699	70	70-130	4	35	mg/kg	08.08.2020 21:30	

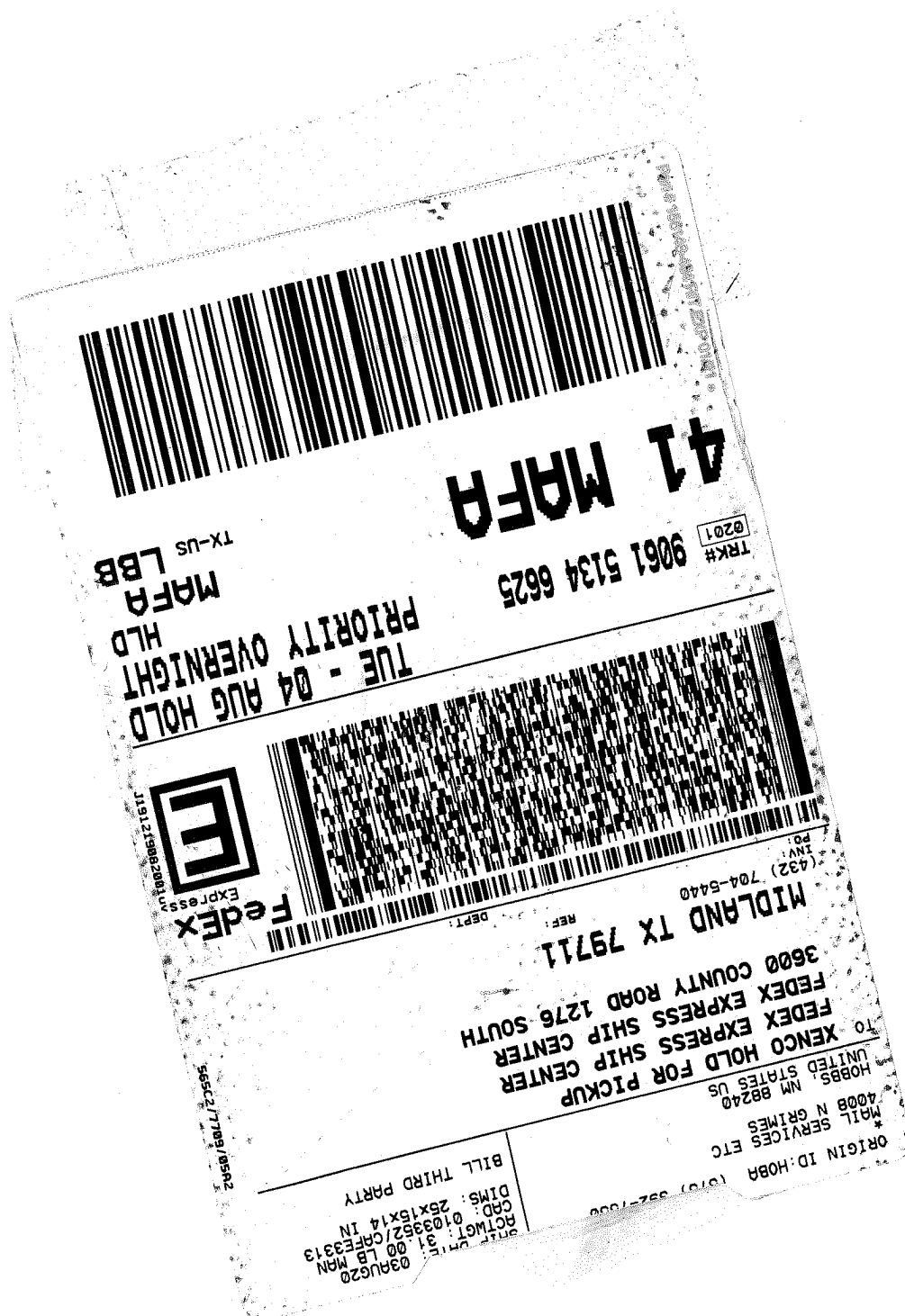
Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	102		100		70-130	%	08.08.2020 21:30
4-Bromofluorobenzene	106		100		70-130	%	08.08.2020 21:30

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



Eurofins Xenco, LLC

Prelogin/Nonconformance Report- Sample Log-In

Client: Trinity Oilfield Services & Rentals, LLC

Date/ Time Received: 08.05.2020 10.51.00 AM

Work Order #: 669163

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)?	1.4
#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

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: 08.05.2020

Checklist reviewed by:



Jessica Kramer

Date: 08.05.2020

Certificate of Analysis Summary 669110



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: Vortec 22 #1 Battery

Project Id:

Date Received in Lab: Wed 08.05.2020 10:45

Contact: Ben Arguijo

Report Date: 08.13.2020 10:02

Project Location: Lea County, New Mexico

Project Manager: Holly Taylor

Analysis Requested	Lab Id:	669110-001	669110-002	669110-003	669110-004		
	Field Id:	GA-20 E. Wall Composite	GA-20 Floor Composite	GA-21 E. Wall Composite	GA-21 Floor Composite		
	Depth:						
	Matrix:	SOIL	SOIL	SOIL	SOIL		
	Sampled:	08.04.2020 11:15	08.04.2020 11:10	08.04.2020 11:05	08.04.2020 11:00		
BTEX by EPA 8021B	Extracted:	08.07.2020 14:00	08.07.2020 14:00	08.07.2020 14:00	08.07.2020 14:00		
	Analyzed:	08.08.2020 08:39	08.08.2020 08:59	08.08.2020 09:20	08.08.2020 09:40		
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL		
Benzene		<0.00202 0.00202	<0.00200 0.00200	<0.00200 0.00200	<0.00201 0.00201		
Toluene		<0.00202 0.00202	<0.00200 0.00200	<0.00200 0.00200	<0.00201 0.00201		
Ethylbenzene		<0.00202 0.00202	<0.00200 0.00200	<0.00200 0.00200	<0.00201 0.00201		
m,p-Xylenes		<0.00403 0.00403	<0.00401 0.00401	<0.00401 0.00401	<0.00402 0.00402		
o-Xylene		<0.00202 0.00202	<0.00200 0.00200	<0.00200 0.00200	<0.00201 0.00201		
Total Xylenes		<0.00202 0.00202	<0.00200 0.00200	<0.00200 0.00200	<0.00201 0.00201		
Total BTEX		<0.00202 0.00202	<0.00200 0.00200	<0.00200 0.00200	<0.00201 0.00201		
Chloride by EPA 300	Extracted:	08.06.2020 12:15	08.06.2020 12:15	08.06.2020 13:00	08.06.2020 13:00		
	Analyzed:	08.06.2020 15:40	08.06.2020 15:46	08.06.2020 13:42	08.06.2020 13:58		
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL		
Chloride		7870 100	307 5.05	50.9 5.00	3830 49.9		
TPH By SW8015 Mod	Extracted:	08.06.2020 17:00	08.06.2020 17:00	08.06.2020 17:00	08.06.2020 17:00		
	Analyzed:	08.06.2020 21:57	08.06.2020 23:00	08.06.2020 23:21	08.06.2020 23:42		
	Units/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	<50.0 50.0	<49.9 49.9		
Diesel Range Organics (DRO)		<50.0 50.0	<50.0 50.0	<50.0 50.0	<49.9 49.9		
Motor Oil Range Hydrocarbons (MRO)		<50.0 50.0	<50.0 50.0	<50.0 50.0	<49.9 49.9		
Total TPH		<50.0 50.0	<50.0 50.0	<50.0 50.0	<49.9 49.9		

BRL - Below Reporting Limit

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



Environment Testing
Xenco

Analytical Report 669110

for

Trinity Oilfield Services & Rentals, LLC

Project Manager: Ben Arguijo

Vortec 22 #1 Battery

08.13.2020

Collected By: Client



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

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-20-36), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)
Oklahoma (2019-058), North Carolina (681), Arkansas (20-035-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-20-25), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-17)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-22)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-19-19)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-7)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)
Xenco-Tampa: Florida (E87429), North Carolina (483)



08.13.2020

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

Reference: Eurofins Xenco, LLC Report No(s): **669110**
Vortec 22 #1 Battery
Project Address: Lea County, New Mexico

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) 669110. 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. 669110 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,

A handwritten signature in black ink that reads "Holly Taylor".

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 669110****Trinity Oilfield Services & Rentals, LLC, Hobbs, NM**

Vortec 22 #1 Battery

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
GA-20 E. Wall Composite	S	08.04.2020 11:15		669110-001
GA-20 Floor Composite	S	08.04.2020 11:10		669110-002
GA-21 E. Wall Composite	S	08.04.2020 11:05		669110-003
GA-21 Floor Composite	S	08.04.2020 11:00		669110-004



CASE NARRATIVE

Client Name: Trinity Oilfield Services & Rentals, LLC

Project Name: Vortec 22 #1 Battery

Project ID:

Work Order Number(s): 669110

Report Date: 08.13.2020

Date Received: 08.05.2020

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None



Certificate of Analytical Results 669110

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-20 E. Wall Composite**

Matrix: Soil

Date Received: 08.05.2020 10:45

Lab Sample Id: 669110-001

Date Collected: 08.04.2020 11:15

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 08.06.2020 12:15

Basis: Wet Weight

Seq Number: 3133769

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	7870	100	mg/kg	08.06.2020 15:40		20

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 08.06.2020 17:00

Basis: Wet Weight

Seq Number: 3133888

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	08.06.2020 21:57	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	08.06.2020 21:57	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	08.06.2020 21:57	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	08.06.2020 21:57	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	91	%	70-130	08.06.2020 21:57	
o-Terphenyl	84-15-1	88	%	70-130	08.06.2020 21:57	



Certificate of Analytical Results 669110

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-20 E. Wall Composite**

Matrix: Soil

Date Received: 08.05.2020 10:45

Lab Sample Id: 669110-001

Date Collected: 08.04.2020 11:15

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 08.07.2020 14:00

Basis: Wet Weight

Seq Number: 3133951

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	08.08.2020 08:39	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	08.08.2020 08:39	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	08.08.2020 08:39	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	08.08.2020 08:39	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	08.08.2020 08:39	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	08.08.2020 08:39	U	1
Total BTEX		<0.00202	0.00202	mg/kg	08.08.2020 08:39	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	104	%	70-130	08.08.2020 08:39		
4-Bromofluorobenzene	460-00-4	107	%	70-130	08.08.2020 08:39		



Certificate of Analytical Results 669110

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-20 Floor Composite**

Matrix: Soil

Date Received: 08.05.2020 10:45

Lab Sample Id: 669110-002

Date Collected: 08.04.2020 11:10

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 08.06.2020 12:15

Basis: Wet Weight

Seq Number: 3133769

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	307	5.05	mg/kg	08.06.2020 15:46		1

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 08.06.2020 17:00

Basis: Wet Weight

Seq Number: 3133888

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	08.06.2020 23:00	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	08.06.2020 23:00	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	08.06.2020 23:00	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	08.06.2020 23:00	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	83	%	70-130	08.06.2020 23:00	
o-Terphenyl	84-15-1	86	%	70-130	08.06.2020 23:00	



Certificate of Analytical Results 669110

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-20 Floor Composite**

Matrix: Soil

Date Received: 08.05.2020 10:45

Lab Sample Id: 669110-002

Date Collected: 08.04.2020 11:10

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 08.07.2020 14:00

Basis: Wet Weight

Seq Number: 3133951

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	08.08.2020 08:59	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	08.08.2020 08:59	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	08.08.2020 08:59	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	08.08.2020 08:59	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	08.08.2020 08:59	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	08.08.2020 08:59	U	1
Total BTEX		<0.00200	0.00200	mg/kg	08.08.2020 08:59	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	105	%	70-130	08.08.2020 08:59		
1,4-Difluorobenzene	540-36-3	104	%	70-130	08.08.2020 08:59		



Certificate of Analytical Results 669110

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-21 E. Wall Composite**

Matrix: Soil

Date Received: 08.05.2020 10:45

Lab Sample Id: 669110-003

Date Collected: 08.04.2020 11:05

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: SPC

% Moisture:

Analyst: SPC

Date Prep: 08.06.2020 13:00

Basis: Wet Weight

Seq Number: 3133823

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	50.9	5.00	mg/kg	08.06.2020 13:42		1

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 08.06.2020 17:00

Basis: Wet Weight

Seq Number: 3133888

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	08.06.2020 23:21	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	08.06.2020 23:21	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	08.06.2020 23:21	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	08.06.2020 23:21	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	84	%	70-130	08.06.2020 23:21	
o-Terphenyl	84-15-1	87	%	70-130	08.06.2020 23:21	



Certificate of Analytical Results 669110

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-21 E. Wall Composite**

Matrix: Soil

Date Received: 08.05.2020 10:45

Lab Sample Id: 669110-003

Date Collected: 08.04.2020 11:05

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 08.07.2020 14:00

Basis: Wet Weight

Seq Number: 3133951

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	08.08.2020 09:20	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	08.08.2020 09:20	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	08.08.2020 09:20	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	08.08.2020 09:20	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	08.08.2020 09:20	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	08.08.2020 09:20	U	1
Total BTEX		<0.00200	0.00200	mg/kg	08.08.2020 09:20	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	103	%	70-130	08.08.2020 09:20		
4-Bromofluorobenzene	460-00-4	106	%	70-130	08.08.2020 09:20		



Certificate of Analytical Results 669110

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-21 Floor Composite**

Matrix: Soil

Date Received: 08.05.2020 10:45

Lab Sample Id: 669110-004

Date Collected: 08.04.2020 11:00

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: SPC

% Moisture:

Analyst: SPC

Date Prep: 08.06.2020 13:00

Basis: Wet Weight

Seq Number: 3133823

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	3830	49.9	mg/kg	08.06.2020 13:58		10

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 08.06.2020 17:00

Basis: Wet Weight

Seq Number: 3133888

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	08.06.2020 23:42	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	08.06.2020 23:42	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	08.06.2020 23:42	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	08.06.2020 23:42	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	82	%	70-130	08.06.2020 23:42	
o-Terphenyl	84-15-1	89	%	70-130	08.06.2020 23:42	



Certificate of Analytical Results 669110

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-21 Floor Composite**

Matrix: Soil

Date Received: 08.05.2020 10:45

Lab Sample Id: 669110-004

Date Collected: 08.04.2020 11:00

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 08.07.2020 14:00

Basis: Wet Weight

Seq Number: 3133951

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	08.08.2020 09:40	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	08.08.2020 09:40	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	08.08.2020 09:40	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	08.08.2020 09:40	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	08.08.2020 09:40	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	08.08.2020 09:40	U	1
Total BTEX		<0.00201	0.00201	mg/kg	08.08.2020 09:40	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	105	%	70-130	08.08.2020 09:40		
1,4-Difluorobenzene	540-36-3	104	%	70-130	08.08.2020 09:40		



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

Vortec 22 #1 Battery

Analytical Method: Chloride by EPA 300

Seq Number: 3133769

Matrix: Solid

Prep Method: E300P

Date Prep: 08.06.2020

MB Sample Id: 7708858-1-BLK

LCS Sample Id: 7708858-1-BKS

LCSD Sample Id: 7708858-1-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	247	99	247	99	90-110	0	20	mg/kg	08.06.2020 12:42	

Analytical Method: Chloride by EPA 300

Seq Number: 3133823

Matrix: Solid

Prep Method: E300P

Date Prep: 08.06.2020

MB Sample Id: 7708862-1-BLK

LCS Sample Id: 7708862-1-BKS

LCSD Sample Id: 7708862-1-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	260	104	264	106	90-110	2	20	mg/kg	08.06.2020 13:32	

Analytical Method: Chloride by EPA 300

Seq Number: 3133769

Matrix: Soil

Prep Method: E300P

Date Prep: 08.06.2020

Parent Sample Id: 669307-006

MS Sample Id: 669307-006 S

MSD Sample Id: 669307-006 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	7.81	248	265	104	265	104	90-110	0	20	mg/kg	08.06.2020 14:30	

Analytical Method: Chloride by EPA 300

Seq Number: 3133769

Matrix: Soil

Prep Method: E300P

Date Prep: 08.06.2020

Parent Sample Id: 669321-001

MS Sample Id: 669321-001 S

MSD Sample Id: 669321-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	22.9	250	286	105	285	105	90-110	0	20	mg/kg	08.06.2020 13:01	

Analytical Method: Chloride by EPA 300

Seq Number: 3133823

Matrix: Soil

Prep Method: E300P

Date Prep: 08.06.2020

Parent Sample Id: 669110-003

MS Sample Id: 669110-003 S

MSD Sample Id: 669110-003 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	50.9	250	323	109	320	108	90-110	1	20	mg/kg	08.06.2020 13:48	

Analytical Method: Chloride by EPA 300

Seq Number: 3133823

Matrix: Soil

Prep Method: E300P

Date Prep: 08.06.2020

Parent Sample Id: 669248-003

MS Sample Id: 669248-003 S

MSD Sample Id: 669248-003 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	582	249	835	102	833	101	90-110	0	20	mg/kg	08.06.2020 15:01	

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

Vortec 22 #1 Battery

Analytical Method: TPH By SW8015 Mod

Seq Number: 3133888

Matrix: Solid

Prep Method: SW8015P

Date Prep: 08.06.2020

MB Sample Id: 7708925-1-BLK

LCS Sample Id: 7708925-1-BKS

LCSD Sample Id: 7708925-1-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	838	84	70-130	2	20	mg/kg	08.06.2020 21:15	
Diesel Range Organics (DRO)	<50.0	1000	837	84	820	82	70-130	2	20	mg/kg	08.06.2020 21:15	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	88		89		96		70-130	%	08.06.2020 21:15
o-Terphenyl	91		89		98		70-130	%	08.06.2020 21:15

Analytical Method: TPH By SW8015 Mod

Seq Number: 3133888

Matrix: Solid

Prep Method: SW8015P

Date Prep: 08.06.2020

MB Sample Id: 7708925-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	08.06.2020 20:54	

Analytical Method: TPH By SW8015 Mod

Seq Number: 3133888

Matrix: Soil

Prep Method: SW8015P

Date Prep: 08.06.2020

Parent Sample Id: 669110-001

MS Sample Id: 669110-001 S

MSD Sample Id: 669110-001 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)	<49.8	996	782	79	780	78	70-130	0	20	mg/kg	08.06.2020 22:18	
Diesel Range Organics (DRO)	<49.8	996	819	82	816	82	70-130	0	20	mg/kg	08.06.2020 22:18	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	90		90		70-130	%	08.06.2020 22:18
o-Terphenyl	89		88		70-130	%	08.06.2020 22:18

Analytical Method: BTEX by EPA 8021B

Seq Number: 3133951

Matrix: Solid

Prep Method: SW5035A

Date Prep: 08.07.2020

MB Sample Id: 7709017-1-BLK

LCS Sample Id: 7709017-1-BKS

LCSD Sample Id: 7709017-1-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	0.0849	85	0.0829	83	70-130	2	35	mg/kg	08.08.2020 01:10	
Toluene	<0.00200	0.100	0.0857	86	0.0838	84	70-130	2	35	mg/kg	08.08.2020 01:10	
Ethylbenzene	<0.00200	0.100	0.0835	84	0.0808	81	70-130	3	35	mg/kg	08.08.2020 01:10	
m,p-Xylenes	<0.00400	0.200	0.167	84	0.162	81	70-130	3	35	mg/kg	08.08.2020 01:10	
o-Xylene	<0.00200	0.100	0.0859	86	0.0832	83	70-130	3	35	mg/kg	08.08.2020 01:10	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	103		101		100		70-130	%	08.08.2020 01:10
4-Bromofluorobenzene	103		101		100		70-130	%	08.08.2020 01:10

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

Vortec 22 #1 Battery

Analytical Method: BTEX by EPA 8021B

Seq Number: 3133951

Parent Sample Id: 669481-061

Matrix: Soil

MS Sample Id: 669481-061 S

Prep Method: SW5035A

Date Prep: 08.07.2020

MSD Sample Id: 669481-061 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.0998	0.0728	73	0.0685	69	70-130	6	35	mg/kg	08.08.2020 01:51	X
Toluene	<0.00200	0.0998	0.0703	70	0.0659	66	70-130	6	35	mg/kg	08.08.2020 01:51	X
Ethylbenzene	<0.00200	0.0998	0.0680	68	0.0643	65	70-130	6	35	mg/kg	08.08.2020 01:51	X
m,p-Xylenes	<0.00399	0.200	0.133	67	0.125	63	70-130	6	35	mg/kg	08.08.2020 01:51	X
o-Xylene	<0.00200	0.0998	0.0681	68	0.0645	65	70-130	5	35	mg/kg	08.08.2020 01:51	X

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	102		102		70-130	%	08.08.2020 01:51
4-Bromofluorobenzene	103		102		70-130	%	08.08.2020 01:51

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

Work Order No: W09110

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

----- Cadbury, NM (575) 988-3199, Phoenix, AZ (480) 355-0900

Tax

Wgt: 16.00 LBS

DV.

2 20

SHIPPING:

SPECIAL:

HANDLING:

TOTAL:

6. 67

0.00

6.44

0.00

www.xenco.com

Page 1 of 1

Project Manager:	Ben J. Arguijo	Bill to: (if different)	
Company Name:	Trinity Oilfield Services & Rentals, LLC	Company Name:	OXY OILFIELD SERVICES
Address:	8426 N. Dal Paso	Address:	
City, State ZIP:	Hobbs, NM 88242	City, State ZIP:	
Phone:	(575)390-7208	Email:	Wade.Dittrich@oxy.com & ben@trinityoilfieldservices.com

0.00 www.xenoco.com Page 1 of 1

Work Order Comments

Program: ☐ PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ 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	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
	Esperanza Carrillo	8/4/20 4:15	Esperanza Carrillo		8/5/20
3			4		1045
5			6		

Eurofins Xenco, LLC

Prelogin/Nonconformance Report- Sample Log-In

Client: Trinity Oilfield Services & Rentals, LLC

Date/ Time Received: 08.05.2020 10.45.00 AM

Work Order #: 669110

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)?	.5
#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: 08.05.2020

Checklist reviewed by:



Jessica Kramer

Date: 08.05.2020

Certificate of Analysis Summary 669576

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: Vortec 22 #1 Battery

Project Id:

Date Received in Lab: Mon 08.10.2020 10:01

Contact: Ben Arguijo

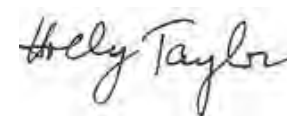
Report Date: 08.17.2020 09:17

Project Location: Lea County, NM

Project Manager: Holly Taylor

Analysis Requested	Lab Id:	669576-001	669576-002	669576-003	669576-004	669576-005	669576-006
	Field Id:	GA-26 Floor Composite	GA-28 Floor Composite	GA-44 N.Wall Composite	GA-44 S.Wall Composite	GA-44 W. Wall Composite	GA-44 Floor Composite
	Depth:						
	Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Sampled:	08.07.2020 11:00	08.07.2020 11:05	08.07.2020 11:15	08.07.2020 11:25	08.07.2020 11:20	08.07.2020 11:10
BTEX by EPA 8021B	Extracted:	08.11.2020 11:30	08.11.2020 11:30	08.11.2020 11:30	08.13.2020 08:15	08.13.2020 08:15	08.13.2020 08:15
	Analyzed:	08.11.2020 18:43	08.11.2020 19:05	08.11.2020 19:27	08.13.2020 14:35	08.13.2020 14:55	08.13.2020 15:16
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Benzene		<0.00200 0.00200	<0.00201 0.00201	<0.00199 0.00199	<0.00200 0.00200	<0.00200 0.00200	<0.00202 0.00202
Toluene		<0.00200 0.00200	<0.00201 0.00201	<0.00199 0.00199	<0.00200 0.00200	<0.00200 0.00200	<0.00202 0.00202
Ethylbenzene		<0.00200 0.00200	<0.00201 0.00201	<0.00199 0.00199	<0.00200 0.00200	<0.00200 0.00200	<0.00202 0.00202
m,p-Xylenes		<0.00401 0.00401	<0.00402 0.00402	<0.00398 0.00398	<0.00400 0.00400	<0.00399 0.00399	<0.00404 0.00404
o-Xylene		<0.00200 0.00200	<0.00201 0.00201	<0.00199 0.00199	<0.00200 0.00200	<0.00200 0.00200	<0.00202 0.00202
Total Xylenes		<0.00200 0.00200	<0.00201 0.00201	<0.00199 0.00199	<0.00200 0.00200	<0.00200 0.00200	<0.00202 0.00202
Total BTEX		<0.00200 0.00200	<0.00201 0.00201	<0.00199 0.00199	<0.00200 0.00200	<0.00200 0.00200	<0.00202 0.00202
Chloride by EPA 300	Extracted:	08.10.2020 16:40	08.10.2020 16:40	08.10.2020 16:40	08.10.2020 16:40	08.10.2020 16:40	08.10.2020 16:40
	Analyzed:	08.10.2020 20:38	08.10.2020 20:44	08.10.2020 20:51	08.10.2020 20:19	08.10.2020 20:57	08.10.2020 21:16
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		13500 101	3090 24.8	2000 25.0	49.7 X 5.00	68.9 5.00	1190 24.8
TPH By SW8015 Mod	Extracted:	08.10.2020 12:00	08.10.2020 12:00	08.10.2020 12:00	08.10.2020 12:00	08.10.2020 12:00	08.10.2020 12:00
	Analyzed:	08.10.2020 13:05	08.11.2020 09:56	08.11.2020 10:19	08.11.2020 10:43	08.11.2020 11:08	08.11.2020 11:32
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Gasoline Range Hydrocarbons (GRO)		<49.9 49.9	<50.0 50.0	<49.9 49.9	<49.9 49.9	<50.0 50.0	<49.8 49.8
Diesel Range Organics (DRO)		<49.9 49.9	<50.0 50.0	<49.9 49.9	<49.9 49.9	<50.0 50.0	<49.8 49.8
Motor Oil Range Hydrocarbons (MRO)		<49.9 49.9	<50.0 50.0	<49.9 49.9	<49.9 49.9	<50.0 50.0	<49.8 49.8
Total TPH		<49.9 49.9	<50.0 50.0	<49.9 49.9	<49.9 49.9	<50.0 50.0	<49.8 49.8

BRL - Below Reporting Limit



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

Analytical Report 669576

for

Trinity Oilfield Services & Rentals, LLC

Project Manager: Ben Arguijo

Vortec 22 #1 Battery

08.17.2020

Collected By: Client



1211 W. Florida Ave
Midland TX 79701

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-20-37), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)
Oklahoma (2019-058), 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)



08.17.2020

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

Reference: Eurofins Xenco, LLC Report No(s): **669576**
Vortec 22 #1 Battery
Project Address: Lea County, 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) 669576. 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. 669576 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,

A handwritten signature in black ink that reads "Holly Taylor".

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 669576****Trinity Oilfield Services & Rentals, LLC, Hobbs, NM**

Vortec 22 #1 Battery

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
GA-26 Floor Composite	S	08.07.2020 11:00		669576-001
GA-28 Floor Composite	S	08.07.2020 11:05		669576-002
GA-44 N.Wall Composite	S	08.07.2020 11:15		669576-003
GA-44 S.Wall Composite	S	08.07.2020 11:25		669576-004
GA-44 W. Wall Composite	S	08.07.2020 11:20		669576-005
GA-44 Floor Composite	S	08.07.2020 11:10		669576-006

**CASE NARRATIVE****Client Name: Trinity Oilfield Services & Rentals, LLC****Project Name: Vortec 22 #1 Battery**Project ID:
Work Order Number(s): 669576Report Date: 08.17.2020
Date Received: 08.10.2020**Sample receipt non conformances and comments:****Sample receipt non conformances and comments per sample:**

None

Analytical non conformances and comments:

Batch: LBA-3134094 Chloride by EPA 300

Lab Sample ID 669576-004 was randomly selected for Matrix Spike/Matrix Spike Duplicate (MS/MSD). Chloride recovered above QC limits in the Matrix Spike and Matrix Spike Duplicate. Outlier/s are due to possible matrix interference. Samples in the analytical batch are: 669576-001, -002, -003, -004, -005, -006.

The Laboratory Control Sample for Chloride is within laboratory Control Limits, therefore the data was accepted.

Batch: LBA-3134279 BTEX by EPA 8021B

Surrogate 4-Bromofluorobenzene recovered above QC limits. Matrix interferences is suspected; data confirmed by re-analysis.

Samples affected are: 669576-001,669576-003,669576-002.



Certificate of Analytical Results 669576

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-26 Floor Composite**

Matrix: Soil

Date Received: 08.10.2020 10:01

Lab Sample Id: 669576-001

Date Collected: 08.07.2020 11:00

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 08.10.2020 16:40

Basis: Wet Weight

Seq Number: 3134094

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	13500	101	mg/kg	08.10.2020 20:38		20

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 08.10.2020 12:00

Basis: Wet Weight

Seq Number: 3134154

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	08.10.2020 13:05	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	08.10.2020 13:05	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	08.10.2020 13:05	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	08.10.2020 13:05	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	96	%	70-130	08.10.2020 13:05	
o-Terphenyl	84-15-1	88	%	70-130	08.10.2020 13:05	



Certificate of Analytical Results 669576

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-26 Floor Composite**

Matrix: Soil

Date Received: 08.10.2020 10:01

Lab Sample Id: 669576-001

Date Collected: 08.07.2020 11:00

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: AMF

% Moisture:

Analyst: AMF

Date Prep: 08.11.2020 11:30

Basis: Wet Weight

Seq Number: 3134279

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	08.11.2020 18:43	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	08.11.2020 18:43	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	08.11.2020 18:43	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	08.11.2020 18:43	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	08.11.2020 18:43	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	08.11.2020 18:43	U	1
Total BTEX		<0.00200	0.00200	mg/kg	08.11.2020 18:43	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	91	%	70-130	08.11.2020 18:43		
4-Bromofluorobenzene	460-00-4	133	%	70-130	08.11.2020 18:43	**	



Certificate of Analytical Results 669576

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-28 Floor Composite**

Matrix: Soil

Date Received: 08.10.2020 10:01

Lab Sample Id: 669576-002

Date Collected: 08.07.2020 11:05

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 08.10.2020 16:40

Basis: Wet Weight

Seq Number: 3134094

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	3090	24.8	mg/kg	08.10.2020 20:44		5

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 08.10.2020 12:00

Basis: Wet Weight

Seq Number: 3134154

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	08.11.2020 09:56	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	08.11.2020 09:56	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	08.11.2020 09:56	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	08.11.2020 09:56	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	95	%	70-130	08.11.2020 09:56	
o-Terphenyl	84-15-1	81	%	70-130	08.11.2020 09:56	



Certificate of Analytical Results 669576

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-28 Floor Composite**

Matrix: Soil

Date Received: 08.10.2020 10:01

Lab Sample Id: 669576-002

Date Collected: 08.07.2020 11:05

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: AMF

% Moisture:

Analyst: AMF

Date Prep: 08.11.2020 11:30

Basis: Wet Weight

Seq Number: 3134279

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	08.11.2020 19:05	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	08.11.2020 19:05	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	08.11.2020 19:05	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	08.11.2020 19:05	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	08.11.2020 19:05	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	08.11.2020 19:05	U	1
Total BTEX		<0.00201	0.00201	mg/kg	08.11.2020 19:05	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	92	%	70-130	08.11.2020 19:05		
4-Bromofluorobenzene	460-00-4	136	%	70-130	08.11.2020 19:05	**	



Certificate of Analytical Results 669576

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-44 N.Wall Composite**

Matrix: Soil

Date Received: 08.10.2020 10:01

Lab Sample Id: 669576-003

Date Collected: 08.07.2020 11:15

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 08.10.2020 16:40

Basis: Wet Weight

Seq Number: 3134094

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	2000	25.0	mg/kg	08.10.2020 20:51		5

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 08.10.2020 12:00

Basis: Wet Weight

Seq Number: 3134154

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	08.11.2020 10:19	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	08.11.2020 10:19	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	08.11.2020 10:19	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	08.11.2020 10:19	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	108	%	70-130	08.11.2020 10:19	
o-Terphenyl	84-15-1	97	%	70-130	08.11.2020 10:19	



Certificate of Analytical Results 669576

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-44 N.Wall Composite**

Matrix: Soil

Date Received: 08.10.2020 10:01

Lab Sample Id: 669576-003

Date Collected: 08.07.2020 11:15

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: AMF

% Moisture:

Analyst: AMF

Date Prep: 08.11.2020 11:30

Basis: Wet Weight

Seq Number: 3134279

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	08.11.2020 19:27	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	08.11.2020 19:27	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	08.11.2020 19:27	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	08.11.2020 19:27	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	08.11.2020 19:27	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	08.11.2020 19:27	U	1
Total BTEX		<0.00199	0.00199	mg/kg	08.11.2020 19:27	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	137	%	70-130	08.11.2020 19:27	**	
1,4-Difluorobenzene	540-36-3	90	%	70-130	08.11.2020 19:27		



Certificate of Analytical Results 669576

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-44 S.Wall Composite**

Matrix: Soil

Date Received: 08.10.2020 10:01

Lab Sample Id: 669576-004

Date Collected: 08.07.2020 11:25

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 08.10.2020 16:40

Basis: Wet Weight

Seq Number: 3134094

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	49.7	5.00	mg/kg	08.10.2020 20:19	X	1

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 08.10.2020 12:00

Basis: Wet Weight

Seq Number: 3134154

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	08.11.2020 10:43	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	08.11.2020 10:43	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	08.11.2020 10:43	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	08.11.2020 10:43	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	102	%	70-130	08.11.2020 10:43	
o-Terphenyl	84-15-1	90	%	70-130	08.11.2020 10:43	



Certificate of Analytical Results 669576

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-44 S.Wall Composite**

Matrix: Soil

Date Received: 08.10.2020 10:01

Lab Sample Id: 669576-004

Date Collected: 08.07.2020 11:25

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 08.13.2020 08:15

Basis: Wet Weight

Seq Number: 3134537

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	08.13.2020 14:35	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	08.13.2020 14:35	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	08.13.2020 14:35	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	08.13.2020 14:35	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	08.13.2020 14:35	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	08.13.2020 14:35	U	1
Total BTEX		<0.00200	0.00200	mg/kg	08.13.2020 14:35	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	111	%	70-130	08.13.2020 14:35		
4-Bromofluorobenzene	460-00-4	96	%	70-130	08.13.2020 14:35		



Certificate of Analytical Results 669576

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-44 W. Wall Composite**

Matrix: Soil

Date Received: 08.10.2020 10:01

Lab Sample Id: 669576-005

Date Collected: 08.07.2020 11:20

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 08.10.2020 16:40

Basis: Wet Weight

Seq Number: 3134094

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	68.9	5.00	mg/kg	08.10.2020 20:57		1

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 08.10.2020 12:00

Basis: Wet Weight

Seq Number: 3134154

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	08.11.2020 11:08	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	08.11.2020 11:08	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	08.11.2020 11:08	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	08.11.2020 11:08	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	91	%	70-130	08.11.2020 11:08	
o-Terphenyl	84-15-1	81	%	70-130	08.11.2020 11:08	



Certificate of Analytical Results 669576

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-44 W. Wall Composite**

Matrix: Soil

Date Received: 08.10.2020 10:01

Lab Sample Id: 669576-005

Date Collected: 08.07.2020 11:20

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 08.13.2020 08:15

Basis: Wet Weight

Seq Number: 3134537

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	08.13.2020 14:55	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	08.13.2020 14:55	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	08.13.2020 14:55	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	08.13.2020 14:55	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	08.13.2020 14:55	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	08.13.2020 14:55	U	1
Total BTEX		<0.00200	0.00200	mg/kg	08.13.2020 14:55	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	104	%	70-130	08.13.2020 14:55	
1,4-Difluorobenzene	540-36-3	115	%	70-130	08.13.2020 14:55	



Certificate of Analytical Results 669576

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-44 Floor Composite**

Matrix: Soil

Date Received: 08.10.2020 10:01

Lab Sample Id: 669576-006

Date Collected: 08.07.2020 11:10

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 08.10.2020 16:40

Basis: Wet Weight

Seq Number: 3134094

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	1190	24.8	mg/kg	08.10.2020 21:16		5

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 08.10.2020 12:00

Basis: Wet Weight

Seq Number: 3134154

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	08.11.2020 11:32	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	08.11.2020 11:32	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	08.11.2020 11:32	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	08.11.2020 11:32	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	97	%	70-130	08.11.2020 11:32	
o-Terphenyl	84-15-1	91	%	70-130	08.11.2020 11:32	



Certificate of Analytical Results 669576

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-44 Floor Composite**

Matrix: Soil

Date Received: 08.10.2020 10:01

Lab Sample Id: 669576-006

Date Collected: 08.07.2020 11:10

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 08.13.2020 08:15

Basis: Wet Weight

Seq Number: 3134537

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	08.13.2020 15:16	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	08.13.2020 15:16	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	08.13.2020 15:16	U	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	08.13.2020 15:16	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	08.13.2020 15:16	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	08.13.2020 15:16	U	1
Total BTEX		<0.00202	0.00202	mg/kg	08.13.2020 15:16	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	117	%	70-130	08.13.2020 15:16		
4-Bromofluorobenzene	460-00-4	97	%	70-130	08.13.2020 15:16		



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

Vortec 22 #1 Battery

Analytical Method: Chloride by EPA 300

Seq Number: 3134094

MB Sample Id: 7709100-1-BLK

Matrix: Solid

LCS Sample Id: 7709100-1-BKS

Prep Method: E300P

Date Prep: 08.10.2020

LCSD Sample Id: 7709100-1-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	267	107	267	107	90-110	0	20	mg/kg	08.10.2020 20:06	

Analytical Method: Chloride by EPA 300

Seq Number: 3134094

Parent Sample Id: 669564-001

Matrix: Soil

MS Sample Id: 669564-001 S

Prep Method: E300P

Date Prep: 08.10.2020

MSD Sample Id: 669564-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	1800	1240	3130	107	3130	107	90-110	0	20	mg/kg	08.10.2020 21:54	

Analytical Method: Chloride by EPA 300

Seq Number: 3134094

Parent Sample Id: 669576-004

Matrix: Soil

MS Sample Id: 669576-004 S

Prep Method: E300P

Date Prep: 08.10.2020

MSD Sample Id: 669576-004 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	49.7	250	334	114	332	113	90-110	1	20	mg/kg	08.10.2020 20:25	X

Analytical Method: TPH By SW8015 Mod

Seq Number: 3134154

MB Sample Id: 7709123-1-BLK

Matrix: Solid

LCS Sample Id: 7709123-1-BKS

Prep Method: SW8015P

Date Prep: 08.10.2020

LCSD Sample Id: 7709123-1-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	866	87	865	87	70-130	0	20	mg/kg	08.10.2020 12:18	
Diesel Range Organics (DRO)	<50.0	1000	927	93	849	85	70-130	9	20	mg/kg	08.10.2020 12:18	

Surrogate

	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	104		104		97		70-130	%	08.10.2020 12:18
o-Terphenyl	96		96		89		70-130	%	08.10.2020 12:18

Analytical Method: TPH By SW8015 Mod

Seq Number: 3134154

Matrix: Solid

MB Sample Id: 7709123-1-BLK

Prep Method: SW8015P

Date Prep: 08.10.2020

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	08.10.2020 11:54	

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

Vortec 22 #1 Battery

Analytical Method: TPH By SW8015 Mod

Seq Number: 3134154

Parent Sample Id: 669576-001

Matrix: Soil

MS Sample Id: 669576-001 S

Prep Method: SW8015P

Date Prep: 08.10.2020

MSD Sample Id: 669576-001 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)	<50.0	999	811	81	792	79	70-130	2	20	mg/kg	08.10.2020 13:28	
Diesel Range Organics (DRO)	<50.0	999	838	84	779	78	70-130	7	20	mg/kg	08.10.2020 13:28	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	82		81		70-130	%	08.10.2020 13:28
o-Terphenyl	75		72		70-130	%	08.10.2020 13:28

Analytical Method: BTEX by EPA 8021B

Seq Number: 3134279

MB Sample Id: 7709270-1-BLK

Matrix: Solid

LCS Sample Id: 7709270-1-BKS

Prep Method: SW5035A

Date Prep: 08.11.2020

LCSD Sample Id: 7709270-1-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	0.0883	88	0.0915	92	70-130	4	35	mg/kg	08.11.2020 13:01	
Toluene	<0.00200	0.100	0.0849	85	0.0897	90	70-130	5	35	mg/kg	08.11.2020 13:01	
Ethylbenzene	<0.00200	0.100	0.0954	95	0.0983	98	70-130	3	35	mg/kg	08.11.2020 13:01	
m,p-Xylenes	<0.00400	0.200	0.189	95	0.194	97	70-130	3	35	mg/kg	08.11.2020 13:01	
o-Xylene	<0.00200	0.100	0.0887	89	0.0905	91	70-130	2	35	mg/kg	08.11.2020 13:01	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	96		101		101		70-130	%	08.11.2020 13:01
4-Bromofluorobenzene	99		99		99		70-130	%	08.11.2020 13:01

Analytical Method: BTEX by EPA 8021B

Seq Number: 3134537

MB Sample Id: 7709442-1-BLK

Matrix: Solid

LCS Sample Id: 7709442-1-BKS

Prep Method: SW5035A

Date Prep: 08.13.2020

LCSD Sample Id: 7709442-1-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	0.102	102	0.105	105	70-130	3	35	mg/kg	08.13.2020 09:00	
Toluene	<0.00200	0.100	0.0967	97	0.0967	97	70-130	0	35	mg/kg	08.13.2020 09:00	
Ethylbenzene	<0.00200	0.100	0.0956	96	0.0942	94	70-130	1	35	mg/kg	08.13.2020 09:00	
m,p-Xylenes	<0.00400	0.200	0.191	96	0.186	93	70-130	3	35	mg/kg	08.13.2020 09:00	
o-Xylene	<0.00200	0.100	0.0929	93	0.0911	91	70-130	2	35	mg/kg	08.13.2020 09:00	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	108		99		101		70-130	%	08.13.2020 09:00
4-Bromofluorobenzene	90		98		95		70-130	%	08.13.2020 09:00

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

Vortec 22 #1 Battery

Analytical Method: BTEX by EPA 8021B

Seq Number: 3134279

Parent Sample Id: 669566-021

Matrix: Soil

MS Sample Id: 669566-021 S

Prep Method: SW5035A

Date Prep: 08.11.2020

MSD Sample Id: 669566-021 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	0.0884	88	0.0820	82	70-130	8	35	mg/kg	08.11.2020 13:46	
Toluene	<0.00201	0.100	0.0844	84	0.0787	79	70-130	7	35	mg/kg	08.11.2020 13:46	
Ethylbenzene	<0.00201	0.100	0.0934	93	0.0871	87	70-130	7	35	mg/kg	08.11.2020 13:46	
m,p-Xylenes	<0.00402	0.201	0.185	92	0.172	86	70-130	7	35	mg/kg	08.11.2020 13:46	
o-Xylene	<0.00201	0.100	0.0857	86	0.0819	82	70-130	5	35	mg/kg	08.11.2020 13:46	

Surrogate

	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	103		102		70-130	%	08.11.2020 13:46
4-Bromofluorobenzene	102		103		70-130	%	08.11.2020 13:46

Analytical Method: BTEX by EPA 8021B

Seq Number: 3134537

Parent Sample Id: 669566-008

Matrix: Soil

MS Sample Id: 669566-008 S

Prep Method: SW5035A

Date Prep: 08.13.2020

MSD Sample Id: 669566-008 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.0998	0.101	101	0.104	104	70-130	3	35	mg/kg	08.13.2020 09:41	
Toluene	<0.00200	0.0998	0.0835	84	0.0810	81	70-130	3	35	mg/kg	08.13.2020 09:41	
Ethylbenzene	<0.00200	0.0998	0.0699	70	0.0662	66	70-130	5	35	mg/kg	08.13.2020 09:41	X
m,p-Xylenes	<0.00399	0.200	0.134	67	0.122	61	70-130	9	35	mg/kg	08.13.2020 09:41	X
o-Xylene	<0.00200	0.0998	0.0664	67	0.0607	61	70-130	9	35	mg/kg	08.13.2020 09:41	X

Surrogate

	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	105		107		70-130	%	08.13.2020 09:41
4-Bromofluorobenzene	94		95		70-130	%	08.13.2020 09:41

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:

o: U0609574

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Page 1 of 1

Project Manager:	Ben J. Arguijo		Bill to: (if different)	Wade Dittrich
Company Name:	Trinity Oilfield Services & Rentals, LLC		Company Name:	OXY USA, Inc.
Address:	8426 N. Dal Paso		Address:	
City, State ZIP:	Hobbs, NM 88242		City, State ZIP:	
Phone:	(575)390-7208	Email:	Wade.Dittrich@oxy.com & ben@trinityoilfieldservices.com	

www.xencs.com Page 1 of 1	
Work Order Comments	
Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐ State of Project: Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐ Deliverables: EDD ☐ ADaPT ☐ 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 Tl Sn U V Zn
/ TCLP / SPI 6010: 8RCRA Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn

1631 / 245.1 / 7470 / 7471 : Ho

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				8/7/20 4:13					8/10/20
3									
5									10/1

Eurofins Xenco, LLC

Prelogin/Nonconformance Report- Sample Log-In

Client: Trinity Oilfield Services & Rentals, LLC**Date/ Time Received:** 08.10.2020 10.01.00 AM**Work Order #:** 669576**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
#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 BTEX was in bulk container
#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: 08.10.2020

Checklist reviewed by:

Holly Taylor

Date: 08.11.2020

Certificate of Analysis Summary 670051



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: Vortec 22 #1 Battery

Project Id:

Date Received in Lab: Fri 08.14.2020 11:15

Contact: Ben Arguijo

Report Date: 08.20.2020 10:32

Project Location: Lea County, New Mexico

Project Manager: Holly Taylor

Analysis Requested	Lab Id:	670051-001	670051-002	670051-003	670051-004	670051-005	670051-006
	Field Id:	GA-45 N. Wall Composit	GA-45 S. Wall Composite	GA-45 Floor Wall Compo	GA-46 N. Wall Composit	GA-46 Floor Composite	GA-47 N. Wall Composit
	Depth:						
	Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Sampled:	08.11.2020 11:00	08.11.2020 11:10	08.11.2020 11:05	08.11.2020 11:15	08.11.2020 11:20	08.11.2020 11:25
BTEX by EPA 8021B	Extracted:	08.16.2020 08:30	08.16.2020 08:30	08.16.2020 08:30	08.16.2020 08:30	08.16.2020 08:30	08.16.2020 08:30
	Analyzed:	08.16.2020 16:18	08.16.2020 16:38	08.16.2020 16:59	08.16.2020 17:19	08.16.2020 17:40	08.16.2020 18:00
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Benzene		<0.00200 0.00200	<0.00202 0.00202	<0.00201 0.00201	<0.00200 0.00200	<0.00202 0.00202	<0.00202 0.00202
Toluene		<0.00200 0.00200	<0.00202 0.00202	<0.00201 0.00201	<0.00200 0.00200	<0.00202 0.00202	<0.00202 0.00202
Ethylbenzene		<0.00200 0.00200	<0.00202 0.00202	<0.00201 0.00201	<0.00200 0.00200	<0.00202 0.00202	<0.00202 0.00202
m,p-Xylenes		<0.00401 0.00401	<0.00403 0.00403	<0.00402 0.00402	<0.00401 0.00401	<0.00404 0.00404	<0.00404 0.00404
o-Xylene		<0.00200 0.00200	<0.00202 0.00202	<0.00201 0.00201	<0.00200 0.00200	<0.00202 0.00202	<0.00202 0.00202
Total Xylenes		<0.00200 0.00200	<0.00202 0.00202	<0.00201 0.00201	<0.00200 0.00200	<0.00202 0.00202	<0.00202 0.00202
Total BTEX		<0.00200 0.00200	<0.00202 0.00202	<0.00201 0.00201	<0.00200 0.00200	<0.00202 0.00202	<0.00202 0.00202
Chloride by EPA 300	Extracted:	08.14.2020 14:00	08.14.2020 14:00	08.14.2020 14:00	08.14.2020 14:00	08.14.2020 17:25	08.14.2020 17:25
	Analyzed:	08.14.2020 19:48	08.14.2020 19:53	08.14.2020 19:59	08.14.2020 20:04	08.14.2020 18:46	08.14.2020 18:53
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		202 5.04	56.5 5.00	1270 25.0	2080 25.0	2430 50.0	1020 24.9
TPH By SW8015 Mod	Extracted:	08.14.2020 12:00	08.14.2020 12:00	08.14.2020 12:00	08.14.2020 12:00	08.14.2020 12:00	08.14.2020 12:00
	Analyzed:	08.14.2020 18:34	08.14.2020 18:56	08.14.2020 19:18	08.14.2020 19:39	08.14.2020 20:01	08.14.2020 20:23
	Units/RL:	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	<49.9 49.9	<50.0 50.0	<49.9 49.9	<49.8 49.8	<50.0 50.0
Diesel Range Organics (DRO)		<50.0 50.0	<49.9 49.9	<50.0 50.0	<49.9 49.9	<49.8 49.8	<50.0 50.0
Motor Oil Range Hydrocarbons (MRO)		<50.0 50.0	<49.9 49.9	<50.0 50.0	<49.9 49.9	<49.8 49.8	<50.0 50.0
Total TPH		<50.0 50.0	<49.9 49.9	<50.0 50.0	<49.9 49.9	<49.8 49.8	<50.0 50.0

BRL - Below Reporting Limit

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

Certificate of Analysis Summary 670051

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: Vortec 22 #1 Battery

Project Id:

Date Received in Lab: Fri 08.14.2020 11:15

Contact: Ben Arguijo

Report Date: 08.20.2020 10:32

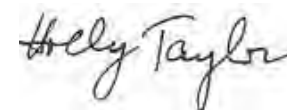
Project Location: Lea County, New Mexico

Project Manager: Holly Taylor

Analysis Requested	Lab Id: 670051-007 Field Id: GA-47 Floor Composite Depth: Matrix: SOIL Sampled: 08.11.2020 11:30					
BTEX by EPA 8021B	Extracted: 08.16.2020 08:30 Analyzed: 08.16.2020 18:20 Units/RL: mg/kg RL					
Benzene	<0.00201 0.00201					
Toluene	<0.00201 0.00201					
Ethylbenzene	<0.00201 0.00201					
m,p-Xylenes	<0.00402 0.00402					
o-Xylene	<0.00201 0.00201					
Total Xylenes	<0.00201 0.00201					
Total BTEX	<0.00201 0.00201					
Chloride by EPA 300	Extracted: 08.14.2020 17:25 Analyzed: 08.14.2020 18:59 Units/RL: mg/kg RL					
Chloride	2640 24.9					
TPH By SW8015 Mod	Extracted: 08.14.2020 12:00 Analyzed: 08.14.2020 20:45 Units/RL: mg/kg RL					
Gasoline Range Hydrocarbons (GRO)	<50.0 50.0					
Diesel Range Organics (DRO)	<50.0 50.0					
Motor Oil Range Hydrocarbons (MRO)	<50.0 50.0					
Total TPH	<50.0 50.0					

BRL - Below Reporting Limit

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



Analytical Report 670051

for

Trinity Oilfield Services & Rentals, LLC

Project Manager: Ben Arguijo

Vortec 22 #1 Battery

08.20.2020

Collected By: Client



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

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-20-37), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)
Oklahoma (2019-058), 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)



08.20.2020

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

Reference: Eurofins Xenco, LLC Report No(s): **670051**
Vortec 22 #1 Battery
Project Address: Lea County, New Mexico

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) 670051. 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. 670051 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,

A handwritten signature in black ink that reads "Holly Taylor".

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 670051****Trinity Oilfield Services & Rentals, LLC, Hobbs, NM**

Vortec 22 #1 Battery

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
GA-45 N. Wall Composite	S	08.11.2020 11:00		670051-001
GA-45 S. Wall Composite	S	08.11.2020 11:10		670051-002
GA-45 Floor Wall Composite	S	08.11.2020 11:05		670051-003
GA-46 N. Wall Composite	S	08.11.2020 11:15		670051-004
GA-46 Floor Composite	S	08.11.2020 11:20		670051-005
GA-47 N. Wall Composite	S	08.11.2020 11:25		670051-006
GA-47 Floor Composite	S	08.11.2020 11:30		670051-007

**CASE NARRATIVE****Client Name: Trinity Oilfield Services & Rentals, LLC****Project Name: Vortec 22 #1 Battery**Project ID:
Work Order Number(s): 670051Report Date: 08.20.2020
Date Received: 08.14.2020**Sample receipt non conformances and comments:**

None

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3134703 BTEX by EPA 8021B

Lab Sample ID 670051-005 was randomly selected for Matrix Spike/Matrix Spike Duplicate (MS/MSD). Ethylbenzene, Toluene, m,p-Xylenes, o-Xylene recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate. Outlier/s are due to possible matrix interference. Samples in the analytical batch are: 670051-001, -002, -003, -004, -005, -006, -007.

The Laboratory Control Sample for Toluene, m,p-Xylenes, Ethylbenzene, o-Xylene is within laboratory Control Limits, therefore the data was accepted.



Certificate of Analytical Results 670051

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-45 N. Wall Composite**

Matrix: Soil

Date Received: 08.14.2020 11:15

Lab Sample Id: 670051-001

Date Collected: 08.11.2020 11:00

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 08.14.2020 14:00

Basis: Wet Weight

Seq Number: 3134696

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	202	5.04	mg/kg	08.14.2020 19:48		1

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 08.14.2020 12:00

Basis: Wet Weight

Seq Number: 3134711

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	08.14.2020 18:34	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	08.14.2020 18:34	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	08.14.2020 18:34	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	08.14.2020 18:34	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	87	%	70-130	08.14.2020 18:34	
o-Terphenyl	84-15-1	85	%	70-130	08.14.2020 18:34	



Certificate of Analytical Results 670051

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-45 N. Wall Composite**

Matrix: Soil

Date Received: 08.14.2020 11:15

Lab Sample Id: 670051-001

Date Collected: 08.11.2020 11:00

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 08.16.2020 08:30

Basis: Wet Weight

Seq Number: 3134703

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	08.16.2020 16:18	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	08.16.2020 16:18	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	08.16.2020 16:18	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	08.16.2020 16:18	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	08.16.2020 16:18	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	08.16.2020 16:18	U	1
Total BTEX		<0.00200	0.00200	mg/kg	08.16.2020 16:18	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	105	%	70-130	08.16.2020 16:18		
1,4-Difluorobenzene	540-36-3	103	%	70-130	08.16.2020 16:18		



Certificate of Analytical Results 670051

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-45 S. Wall Composite**

Matrix: Soil

Date Received: 08.14.2020 11:15

Lab Sample Id: 670051-002

Date Collected: 08.11.2020 11:10

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 08.14.2020 14:00

Basis: Wet Weight

Seq Number: 3134696

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	56.5	5.00	mg/kg	08.14.2020 19:53		1

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 08.14.2020 12:00

Basis: Wet Weight

Seq Number: 3134711

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	08.14.2020 18:56	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	08.14.2020 18:56	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	08.14.2020 18:56	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	08.14.2020 18:56	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	85	%	70-130	08.14.2020 18:56	
o-Terphenyl	84-15-1	86	%	70-130	08.14.2020 18:56	



Certificate of Analytical Results 670051

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-45 S. Wall Composite**

Matrix: Soil

Date Received: 08.14.2020 11:15

Lab Sample Id: 670051-002

Date Collected: 08.11.2020 11:10

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 08.16.2020 08:30

Basis: Wet Weight

Seq Number: 3134703

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	08.16.2020 16:38	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	08.16.2020 16:38	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	08.16.2020 16:38	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	08.16.2020 16:38	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	08.16.2020 16:38	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	08.16.2020 16:38	U	1
Total BTEX		<0.00202	0.00202	mg/kg	08.16.2020 16:38	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	104	%	70-130	08.16.2020 16:38		
4-Bromofluorobenzene	460-00-4	104	%	70-130	08.16.2020 16:38		



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-45 Floor Wall Composite**

Matrix: Soil

Date Received: 08.14.2020 11:15

Lab Sample Id: 670051-003

Date Collected: 08.11.2020 11:05

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 08.14.2020 14:00

Basis: Wet Weight

Seq Number: 3134696

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	1270	25.0	mg/kg	08.14.2020 19:59		5

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 08.14.2020 12:00

Basis: Wet Weight

Seq Number: 3134711

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	08.14.2020 19:18	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	08.14.2020 19:18	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	08.14.2020 19:18	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	08.14.2020 19:18	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	89	%	70-130	08.14.2020 19:18	
o-Terphenyl	84-15-1	88	%	70-130	08.14.2020 19:18	



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-45 Floor Wall Composite**

Matrix: Soil

Date Received: 08.14.2020 11:15

Lab Sample Id: 670051-003

Date Collected: 08.11.2020 11:05

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 08.16.2020 08:30

Basis: Wet Weight

Seq Number: 3134703

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	08.16.2020 16:59	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	08.16.2020 16:59	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	08.16.2020 16:59	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	08.16.2020 16:59	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	08.16.2020 16:59	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	08.16.2020 16:59	U	1
Total BTEX		<0.00201	0.00201	mg/kg	08.16.2020 16:59	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	104	%	70-130	08.16.2020 16:59		
4-Bromofluorobenzene	460-00-4	105	%	70-130	08.16.2020 16:59		



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-46 N. Wall Composite**

Matrix: Soil

Date Received: 08.14.2020 11:15

Lab Sample Id: 670051-004

Date Collected: 08.11.2020 11:15

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 08.14.2020 14:00

Basis: Wet Weight

Seq Number: 3134696

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	2080	25.0	mg/kg	08.14.2020 20:04		5

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 08.14.2020 12:00

Basis: Wet Weight

Seq Number: 3134711

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	08.14.2020 19:39	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	08.14.2020 19:39	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	08.14.2020 19:39	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	08.14.2020 19:39	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	86	%	70-130	08.14.2020 19:39	
o-Terphenyl	84-15-1	86	%	70-130	08.14.2020 19:39	



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-46 N. Wall Composite**

Matrix: Soil

Date Received: 08.14.2020 11:15

Lab Sample Id: 670051-004

Date Collected: 08.11.2020 11:15

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 08.16.2020 08:30

Basis: Wet Weight

Seq Number: 3134703

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	08.16.2020 17:19	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	08.16.2020 17:19	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	08.16.2020 17:19	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	08.16.2020 17:19	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	08.16.2020 17:19	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	08.16.2020 17:19	U	1
Total BTEX		<0.00200	0.00200	mg/kg	08.16.2020 17:19	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	103	%	70-130	08.16.2020 17:19		
1,4-Difluorobenzene	540-36-3	104	%	70-130	08.16.2020 17:19		



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-46 Floor Composite**

Matrix: Soil

Date Received: 08.14.2020 11:15

Lab Sample Id: 670051-005

Date Collected: 08.11.2020 11:20

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: SPC

% Moisture:

Analyst: SPC

Date Prep: 08.14.2020 17:25

Basis: Wet Weight

Seq Number: 3134697

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	2430	50.0	mg/kg	08.14.2020 18:46		10

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 08.14.2020 12:00

Basis: Wet Weight

Seq Number: 3134711

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	08.14.2020 20:01	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	08.14.2020 20:01	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	08.14.2020 20:01	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	08.14.2020 20:01	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	91	%	70-130	08.14.2020 20:01	
o-Terphenyl	84-15-1	92	%	70-130	08.14.2020 20:01	



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-46 Floor Composite**

Matrix: Soil

Date Received: 08.14.2020 11:15

Lab Sample Id: 670051-005

Date Collected: 08.11.2020 11:20

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 08.16.2020 08:30

Basis: Wet Weight

Seq Number: 3134703

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	08.16.2020 17:40	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	08.16.2020 17:40	UX	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	08.16.2020 17:40	UX	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	08.16.2020 17:40	UX	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	08.16.2020 17:40	UX	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	08.16.2020 17:40	U	1
Total BTEX		<0.00202	0.00202	mg/kg	08.16.2020 17:40	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	106	%	70-130	08.16.2020 17:40		
1,4-Difluorobenzene	540-36-3	103	%	70-130	08.16.2020 17:40		



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-47 N. Wall Composite**

Matrix: Soil

Date Received: 08.14.2020 11:15

Lab Sample Id: 670051-006

Date Collected: 08.11.2020 11:25

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: SPC

% Moisture:

Analyst: SPC

Date Prep: 08.14.2020 17:25

Basis: Wet Weight

Seq Number: 3134697

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	1020	24.9	mg/kg	08.14.2020 18:53		5

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 08.14.2020 12:00

Basis: Wet Weight

Seq Number: 3134711

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	08.14.2020 20:23	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	08.14.2020 20:23	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	08.14.2020 20:23	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	08.14.2020 20:23	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	87	%	70-130	08.14.2020 20:23	
o-Terphenyl	84-15-1	86	%	70-130	08.14.2020 20:23	



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-47 N. Wall Composite**

Matrix: Soil

Date Received: 08.14.2020 11:15

Lab Sample Id: 670051-006

Date Collected: 08.11.2020 11:25

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 08.16.2020 08:30

Basis: Wet Weight

Seq Number: 3134703

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	08.16.2020 18:00	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	08.16.2020 18:00	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	08.16.2020 18:00	U	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	08.16.2020 18:00	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	08.16.2020 18:00	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	08.16.2020 18:00	U	1
Total BTEX		<0.00202	0.00202	mg/kg	08.16.2020 18:00	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	104	%	70-130	08.16.2020 18:00		
1,4-Difluorobenzene	540-36-3	103	%	70-130	08.16.2020 18:00		



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-47 Floor Composite**

Matrix: Soil

Date Received: 08.14.2020 11:15

Lab Sample Id: 670051-007

Date Collected: 08.11.2020 11:30

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: SPC

% Moisture:

Analyst: SPC

Date Prep: 08.14.2020 17:25

Basis: Wet Weight

Seq Number: 3134697

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	2640	24.9	mg/kg	08.14.2020 18:59		5

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 08.14.2020 12:00

Basis: Wet Weight

Seq Number: 3134711

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	08.14.2020 20:45	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	08.14.2020 20:45	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	08.14.2020 20:45	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	08.14.2020 20:45	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	100	%	70-130	08.14.2020 20:45	
o-Terphenyl	84-15-1	98	%	70-130	08.14.2020 20:45	



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-47 Floor Composite**

Matrix: Soil

Date Received: 08.14.2020 11:15

Lab Sample Id: 670051-007

Date Collected: 08.11.2020 11:30

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 08.16.2020 08:30

Basis: Wet Weight

Seq Number: 3134703

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	08.16.2020 18:20	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	08.16.2020 18:20	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	08.16.2020 18:20	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	08.16.2020 18:20	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	08.16.2020 18:20	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	08.16.2020 18:20	U	1
Total BTEX		<0.00201	0.00201	mg/kg	08.16.2020 18:20	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	104	%	70-130	08.16.2020 18:20		
4-Bromofluorobenzene	460-00-4	104	%	70-130	08.16.2020 18:20		



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

Vortec 22 #1 Battery

Analytical Method: Chloride by EPA 300

Seq Number: 3134696

Matrix: Solid

Prep Method: E300P

Date Prep: 08.14.2020

MB Sample Id: 7709480-1-BLK

LCS Sample Id: 7709480-1-BKS

LCSD Sample Id: 7709480-1-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	245	98	246	98	90-110	0	20	mg/kg	08.14.2020 17:31	

Analytical Method: Chloride by EPA 300

Seq Number: 3134697

Matrix: Solid

Prep Method: E300P

Date Prep: 08.14.2020

MB Sample Id: 7709507-1-BLK

LCS Sample Id: 7709507-1-BKS

LCSD Sample Id: 7709507-1-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	250	100	249	100	90-110	0	20	mg/kg	08.14.2020 17:30	

Analytical Method: Chloride by EPA 300

Seq Number: 3134696

Matrix: Soil

Prep Method: E300P

Date Prep: 08.14.2020

Parent Sample Id: 670050-018

MS Sample Id: 670050-018 S

MSD Sample Id: 670050-018 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	24.2	251	291	106	290	106	90-110	0	20	mg/kg	08.14.2020 17:47	

Analytical Method: Chloride by EPA 300

Seq Number: 3134696

Matrix: Soil

Prep Method: E300P

Date Prep: 08.14.2020

Parent Sample Id: 670050-028

MS Sample Id: 670050-028 S

MSD Sample Id: 670050-028 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	1970	1240	3260	104	3270	105	90-110	0	20	mg/kg	08.14.2020 19:01	

Analytical Method: Chloride by EPA 300

Seq Number: 3134697

Matrix: Soil

Prep Method: E300P

Date Prep: 08.14.2020

Parent Sample Id: 670054-002

MS Sample Id: 670054-002 S

MSD Sample Id: 670054-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	225	250	485	104	485	104	90-110	0	20	mg/kg	08.14.2020 19:18	

Analytical Method: Chloride by EPA 300

Seq Number: 3134697

Matrix: Soil

Prep Method: E300P

Date Prep: 08.14.2020

Parent Sample Id: 670130-001

MS Sample Id: 670130-001 S

MSD Sample Id: 670130-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	85.3	1250	1430	108	1430	108	90-110	0	20	mg/kg	08.14.2020 17:49	

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

Vortec 22 #1 Battery

Analytical Method: TPH By SW8015 Mod

Seq Number: 3134711

MB Sample Id: 7709543-1-BLK

Matrix: Solid

Prep Method: SW8015P

Date Prep: 08.14.2020

LCS Sample Id: 7709543-1-BKS

LCSD Sample Id: 7709543-1-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	861	86	868	87	70-130	1	20	mg/kg	08.14.2020 12:02	
Diesel Range Organics (DRO)	<50.0	1000	861	86	869	87	70-130	1	20	mg/kg	08.14.2020 12:02	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	103		94		94		70-130	%	08.14.2020 12:02
o-Terphenyl	110		102		100		70-130	%	08.14.2020 12:02

Analytical Method: TPH By SW8015 Mod

Seq Number: 3134711

Matrix: Solid

Prep Method: SW8015P

Date Prep: 08.14.2020

MB Sample Id: 7709543-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	08.14.2020 11:40	

Analytical Method: TPH By SW8015 Mod

Seq Number: 3134711

Matrix: Soil

Prep Method: SW8015P

Date Prep: 08.14.2020

Parent Sample Id: 670050-021

MS Sample Id: 670050-021 S

MSD Sample Id: 670050-021 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	832	83	833	83	70-130	0	20	mg/kg	08.14.2020 13:07	
Diesel Range Organics (DRO)	<49.9	997	855	86	851	85	70-130	0	20	mg/kg	08.14.2020 13:07	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	87		93		70-130	%	08.14.2020 13:07
o-Terphenyl	86		88		70-130	%	08.14.2020 13:07

Analytical Method: BTEX by EPA 8021B

Seq Number: 3134703

Matrix: Solid

Prep Method: SW5035A

Date Prep: 08.16.2020

MB Sample Id: 7709560-1-BLK

LCS Sample Id: 7709560-1-BKS

LCSD Sample Id: 7709560-1-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	0.0994	99	0.0969	97	70-130	3	35	mg/kg	08.16.2020 13:57	
Toluene	<0.00200	0.100	0.0950	95	0.0967	97	70-130	2	35	mg/kg	08.16.2020 13:57	
Ethylbenzene	<0.00200	0.100	0.0953	95	0.0940	94	70-130	1	35	mg/kg	08.16.2020 13:57	
m,p-Xylenes	<0.00400	0.200	0.193	97	0.191	96	70-130	1	35	mg/kg	08.16.2020 13:57	
o-Xylene	<0.00200	0.100	0.0961	96	0.0946	95	70-130	2	35	mg/kg	08.16.2020 13:57	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	99		101		99		70-130	%	08.16.2020 13:57
4-Bromofluorobenzene	103		100		99		70-130	%	08.16.2020 13:57

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

Vortec 22 #1 Battery

Analytical Method: BTEX by EPA 8021B

Seq Number: 3134703

Parent Sample Id: 670051-005

Matrix: Soil

MS Sample Id: 670051-005 S

Prep Method: SW5035A

Date Prep: 08.16.2020

MSD Sample Id: 670051-005 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00202	0.101	0.0782	77	0.0769	77	70-130	2	35	mg/kg	08.16.2020 14:37	
Toluene	<0.00202	0.101	0.0651	64	0.0632	63	70-130	3	35	mg/kg	08.16.2020 14:37	X
Ethylbenzene	<0.00202	0.101	0.0533	53	0.0530	53	70-130	1	35	mg/kg	08.16.2020 14:37	X
m,p-Xylenes	<0.00403	0.202	0.106	52	0.104	52	70-130	2	35	mg/kg	08.16.2020 14:37	X
o-Xylene	<0.00202	0.101	0.0558	55	0.0547	55	70-130	2	35	mg/kg	08.16.2020 14:37	X

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	102		99		70-130	%	08.16.2020 14:37
4-Bromofluorobenzene	104		101		70-130	%	08.16.2020 14:37

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: 070051

www.xenco.com

Page 1 of 1

Project Manager:	Ben J. Arguijo	Bill to: (if different)	Wade Dittrich
Company Name:	Trinity Oilfield Services & Rentals, LLC	Company Name:	OXY USA, Inc.
Address:	8426 N. Dal Paso	Address:	
City, State ZIP:	Hobbs, NM 88242	City, State ZIP:	
Phone:	(575)390-7208	Email:	Wade.Dittrich@oxy.com & ben@trinityoilfieldservices.com

Work Order Comments	
Program:	UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:	
Reporting:	Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables:	EDD ☐ ADaPT ☐ 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
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	
1				8/12/04	3:35
3					
5					

Revised Date 101419 Rev. 2019.1

Certificate of Analysis Summary 670676

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: Vortec 22 #1 Battery

Project Id:

Date Received in Lab: Fri 08.21.2020 11:00

Contact: Ben Arguijo

Report Date: 08.25.2020 10:42

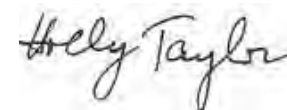
Project Location: Lea County, New Mexico

Project Manager: Holly Taylor

Analysis Requested	Lab Id:	670676-001	670676-002	670676-003	670676-004		
	Field Id:	GA-46 S. Wall Composite	GA-47 S. Wall Composite	GA-48 S. Wall Composite	GA-48 Floor Composite		
	Depth:						
	Matrix:	SOIL	SOIL	SOIL	SOIL		
	Sampled:	08.20.2020 11:15	08.20.2020 11:10	08.20.2020 11:05	08.20.2020 11:00		
BTEX by EPA 8021B	Extracted:	08.21.2020 12:45	08.21.2020 12:45	08.21.2020 12:45	08.21.2020 12:45		
	Analyzed:	08.21.2020 19:04	08.21.2020 20:48	08.21.2020 21:08	08.21.2020 21:29		
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL		
Benzene		<0.00202 0.00202	<0.00201 0.00201	<0.00202 0.00202	<0.00202 0.00202		
Toluene		<0.00202 0.00202	<0.00201 0.00201	<0.00202 0.00202	<0.00202 0.00202		
Ethylbenzene		<0.00202 0.00202	<0.00201 0.00201	<0.00202 0.00202	<0.00202 0.00202		
m,p-Xylenes		<0.00404 0.00404	<0.00402 0.00402	<0.00404 0.00404	<0.00404 0.00404		
o-Xylene		<0.00202 0.00202	<0.00201 0.00201	<0.00202 0.00202	<0.00202 0.00202		
Total Xylenes		<0.00202 0.00202	<0.00201 0.00201	<0.00202 0.00202	<0.00202 0.00202		
Total BTEX		<0.00202 0.00202	<0.00201 0.00201	<0.00202 0.00202	<0.00202 0.00202		
Chloride by EPA 300	Extracted:	08.21.2020 16:45	08.21.2020 16:45	08.21.2020 16:45	08.21.2020 16:45		
	Analyzed:	08.22.2020 02:41	08.22.2020 02:46	08.22.2020 02:52	08.22.2020 03:07		
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL		
Chloride		53.0 4.96	100 5.00	64.5 5.02	1690 25.0		
TPH By SW8015 Mod	Extracted:	08.21.2020 12:00	08.21.2020 12:00	08.21.2020 12:00	08.21.2020 12:00		
	Analyzed:	08.21.2020 17:52	08.21.2020 18:14	08.22.2020 09:39	08.22.2020 10:02		
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL		
Gasoline Range Hydrocarbons (GRO)		<50.0 50.0	<49.9 49.9	<49.9 49.9	<50.0 50.0		
Diesel Range Organics (DRO)		<50.0 50.0	<49.9 49.9	<49.9 49.9	<50.0 50.0		
Motor Oil Range Hydrocarbons (MRO)		<50.0 50.0	<49.9 49.9	<49.9 49.9	<50.0 50.0		
Total TPH		<50.0 50.0	<49.9 49.9	<49.9 49.9	<50.0 50.0		

BRL - Below Reporting Limit

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





Analytical Report 670676

for

Trinity Oilfield Services & Rentals, LLC

Project Manager: Ben Arguijo

Vortec 22 #1 Battery

08.25.2020

Collected By: Client



1211 W. Florida Ave
Midland TX 79701

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-20-37), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)
Oklahoma (2019-058), 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)



08.25.2020

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

Reference: Eurofins Xenco, LLC Report No(s): **670676**
Vortec 22 #1 Battery
Project Address: Lea County, New Mexico

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) 670676. 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. 670676 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,

A handwritten signature in black ink that reads "Holly Taylor".

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 670676****Trinity Oilfield Services & Rentals, LLC, Hobbs, NM**

Vortec 22 #1 Battery

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
GA-46 S. Wall Composite	S	08.20.2020 11:15		670676-001
GA-47 S. Wall Composite	S	08.20.2020 11:10		670676-002
GA-48 S. Wall Composite	S	08.20.2020 11:05		670676-003
GA-48 Floor Composite	S	08.20.2020 11:00		670676-004



CASE NARRATIVE

Client Name: Trinity Oilfield Services & Rentals, LLC

Project Name: Vortec 22 #1 Battery

Project ID:

Work Order Number(s): 670676

Report Date: 08.25.2020

Date Received: 08.21.2020

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None



Certificate of Analytical Results 670676

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-46 S. Wall Composite**

Matrix: Soil

Date Received: 08.21.2020 11:00

Lab Sample Id: 670676-001

Date Collected: 08.20.2020 11:15

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 08.21.2020 16:45

Basis: Wet Weight

Seq Number: 3135320

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	53.0	4.96	mg/kg	08.22.2020 02:41		1

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 08.21.2020 12:00

Basis: Wet Weight

Seq Number: 3135345

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	08.21.2020 17:52	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	08.21.2020 17:52	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	08.21.2020 17:52	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	08.21.2020 17:52	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	92	%	70-130	08.21.2020 17:52	
o-Terphenyl	84-15-1	108	%	70-130	08.21.2020 17:52	



Certificate of Analytical Results 670676

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-46 S. Wall Composite**

Matrix: Soil

Date Received: 08.21.2020 11:00

Lab Sample Id: 670676-001

Date Collected: 08.20.2020 11:15

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 08.21.2020 12:45

Basis: Wet Weight

Seq Number: 3135301

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	08.21.2020 19:04	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	08.21.2020 19:04	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	08.21.2020 19:04	U	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	08.21.2020 19:04	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	08.21.2020 19:04	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	08.21.2020 19:04	U	1
Total BTEX		<0.00202	0.00202	mg/kg	08.21.2020 19:04	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	101	%	70-130	08.21.2020 19:04		
4-Bromofluorobenzene	460-00-4	104	%	70-130	08.21.2020 19:04		



Certificate of Analytical Results 670676

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-47 S. Wall Composite**

Matrix: Soil

Date Received: 08.21.2020 11:00

Lab Sample Id: 670676-002

Date Collected: 08.20.2020 11:10

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 08.21.2020 16:45

Basis: Wet Weight

Seq Number: 3135320

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	100	5.00	mg/kg	08.22.2020 02:46		1

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 08.21.2020 12:00

Basis: Wet Weight

Seq Number: 3135345

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	08.21.2020 18:14	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	08.21.2020 18:14	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	08.21.2020 18:14	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	08.21.2020 18:14	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	88	%	70-130	08.21.2020 18:14	
o-Terphenyl	84-15-1	101	%	70-130	08.21.2020 18:14	



Certificate of Analytical Results 670676

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-47 S. Wall Composite**

Matrix: Soil

Date Received: 08.21.2020 11:00

Lab Sample Id: 670676-002

Date Collected: 08.20.2020 11:10

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 08.21.2020 12:45

Basis: Wet Weight

Seq Number: 3135301

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	08.21.2020 20:48	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	08.21.2020 20:48	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	08.21.2020 20:48	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	08.21.2020 20:48	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	08.21.2020 20:48	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	08.21.2020 20:48	U	1
Total BTEX		<0.00201	0.00201	mg/kg	08.21.2020 20:48	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	104	%	70-130	08.21.2020 20:48		
1,4-Difluorobenzene	540-36-3	101	%	70-130	08.21.2020 20:48		



Certificate of Analytical Results 670676

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-48 S. Wall Composite**

Matrix: Soil

Date Received: 08.21.2020 11:00

Lab Sample Id: 670676-003

Date Collected: 08.20.2020 11:05

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 08.21.2020 16:45

Basis: Wet Weight

Seq Number: 3135320

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	64.5	5.02	mg/kg	08.22.2020 02:52		1

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 08.21.2020 12:00

Basis: Wet Weight

Seq Number: 3135345

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	08.22.2020 09:39	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	08.22.2020 09:39	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	08.22.2020 09:39	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	08.22.2020 09:39	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	85	%	70-130	08.22.2020 09:39	
o-Terphenyl	84-15-1	102	%	70-130	08.22.2020 09:39	



Certificate of Analytical Results 670676

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-48 S. Wall Composite**

Matrix: Soil

Date Received: 08.21.2020 11:00

Lab Sample Id: 670676-003

Date Collected: 08.20.2020 11:05

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 08.21.2020 12:45

Basis: Wet Weight

Seq Number: 3135301

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	08.21.2020 21:08	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	08.21.2020 21:08	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	08.21.2020 21:08	U	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	08.21.2020 21:08	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	08.21.2020 21:08	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	08.21.2020 21:08	U	1
Total BTEX		<0.00202	0.00202	mg/kg	08.21.2020 21:08	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	104	%	70-130	08.21.2020 21:08		
1,4-Difluorobenzene	540-36-3	103	%	70-130	08.21.2020 21:08		



Certificate of Analytical Results 670676

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-48 Floor Composite**

Matrix: Soil

Date Received: 08.21.2020 11:00

Lab Sample Id: 670676-004

Date Collected: 08.20.2020 11:00

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 08.21.2020 16:45

Basis: Wet Weight

Seq Number: 3135320

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	1690	25.0	mg/kg	08.22.2020 03:07		5

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 08.21.2020 12:00

Basis: Wet Weight

Seq Number: 3135345

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	08.22.2020 10:02	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	08.22.2020 10:02	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	08.22.2020 10:02	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	08.22.2020 10:02	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	90	%	70-130	08.22.2020 10:02	
o-Terphenyl	84-15-1	97	%	70-130	08.22.2020 10:02	



Certificate of Analytical Results 670676

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-48 Floor Composite**

Matrix: Soil

Date Received: 08.21.2020 11:00

Lab Sample Id: 670676-004

Date Collected: 08.20.2020 11:00

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 08.21.2020 12:45

Basis: Wet Weight

Seq Number: 3135301

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	08.21.2020 21:29	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	08.21.2020 21:29	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	08.21.2020 21:29	U	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	08.21.2020 21:29	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	08.21.2020 21:29	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	08.21.2020 21:29	U	1
Total BTEX		<0.00202	0.00202	mg/kg	08.21.2020 21:29	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	105	%	70-130	08.21.2020 21:29		
1,4-Difluorobenzene	540-36-3	103	%	70-130	08.21.2020 21:29		

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

Vortec 22 #1 Battery

Analytical Method: Chloride by EPA 300

Seq Number: 3135320

MB Sample Id: 7709974-1-BLK

Matrix: Solid

LCS Sample Id: 7709974-1-BKS

Prep Method: E300P

Date Prep: 08.21.2020

LCSD Sample Id: 7709974-1-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	300	321	107	317	106	90-110	1	20	mg/kg	08.22.2020 02:09	

Analytical Method: Chloride by EPA 300

Seq Number: 3135320

Parent Sample Id: 670666-008

Matrix: Soil

MS Sample Id: 670666-008 S

Prep Method: E300P

Date Prep: 08.21.2020

MSD Sample Id: 670666-008 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	5710	2500	8160	98	8150	98	90-110	0	20	mg/kg	08.22.2020 03:39	

Analytical Method: Chloride by EPA 300

Seq Number: 3135320

Parent Sample Id: 670668-001

Matrix: Soil

MS Sample Id: 670668-001 S

Prep Method: E300P

Date Prep: 08.21.2020

MSD Sample Id: 670668-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	49.9	250	300	100	301	100	90-110	0	20	mg/kg	08.22.2020 02:25	

Analytical Method: TPH By SW8015 Mod

Seq Number: 3135345

MB Sample Id: 7709953-1-BLK

Matrix: Solid

LCS Sample Id: 7709953-1-BKS

Prep Method: SW8015P

Date Prep: 08.21.2020

LCSD Sample Id: 7709953-1-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	883	88	876	88	70-130	1	20	mg/kg	08.21.2020 13:27	
Diesel Range Organics (DRO)	<50.0	1000	937	94	932	93	70-130	1	20	mg/kg	08.21.2020 13:27	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	87		88		88		70-130	%	08.21.2020 13:27
o-Terphenyl	102		93		95		70-130	%	08.21.2020 13:27

Analytical Method: TPH By SW8015 Mod

Seq Number: 3135345

Matrix: Solid

MB Sample Id: 7709953-1-BLK

Prep Method: SW8015P

Date Prep: 08.21.2020

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	08.21.2020 13:05	

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

Vortec 22 #1 Battery

Analytical Method: TPH By SW8015 Mod

Seq Number: 3135345

Parent Sample Id: 670668-001

Matrix: Soil

MS Sample Id: 670668-001 S

Prep Method: SW8015P

Date Prep: 08.21.2020

MSD Sample Id: 670668-001 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	963	97	932	94	70-130	3	20	mg/kg	08.21.2020 14:33	
Diesel Range Organics (DRO)	<49.9	997	966	97	1000	100	70-130	3	20	mg/kg	08.21.2020 14:33	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	91		92		70-130	%	08.21.2020 14:33
o-Terphenyl	94		97		70-130	%	08.21.2020 14:33

Analytical Method: BTEX by EPA 8021B

Seq Number: 3135301

MB Sample Id: 7709982-1-BLK

Matrix: Solid

LCS Sample Id: 7709982-1-BKS

Prep Method: SW5035A

Date Prep: 08.21.2020

LCSD Sample Id: 7709982-1-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	0.106	106	0.110	110	70-130	4	35	mg/kg	08.21.2020 13:13	
Toluene	<0.00200	0.100	0.109	109	0.110	110	70-130	1	35	mg/kg	08.21.2020 13:13	
Ethylbenzene	<0.00200	0.100	0.101	101	0.105	105	70-130	4	35	mg/kg	08.21.2020 13:13	
m,p-Xylenes	<0.00400	0.200	0.202	101	0.210	105	70-130	4	35	mg/kg	08.21.2020 13:13	
o-Xylene	<0.00200	0.100	0.0984	98	0.103	103	70-130	5	35	mg/kg	08.21.2020 13:13	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	98		99		99		70-130	%	08.21.2020 13:13
4-Bromofluorobenzene	100		100		99		70-130	%	08.21.2020 13:13

Analytical Method: BTEX by EPA 8021B

Seq Number: 3135301

Parent Sample Id: 670668-001

Matrix: Soil

MS Sample Id: 670668-001 S

Prep Method: SW5035A

Date Prep: 08.21.2020

MSD Sample Id: 670668-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.107	107	0.101	100	70-130	6	35	mg/kg	08.21.2020 13:54	
Toluene	<0.00200	0.100	0.105	105	0.0941	93	70-130	11	35	mg/kg	08.21.2020 13:54	
Ethylbenzene	<0.00200	0.100	0.0929	93	0.0833	82	70-130	11	35	mg/kg	08.21.2020 13:54	
m,p-Xylenes	<0.00401	0.200	0.185	93	0.164	82	70-130	12	35	mg/kg	08.21.2020 13:54	
o-Xylene	<0.00200	0.100	0.0909	91	0.0812	80	70-130	11	35	mg/kg	08.21.2020 13:54	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	100		99		70-130	%	08.21.2020 13:54
4-Bromofluorobenzene	101		102		70-130	%	08.21.2020 13:54

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:

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Work Order
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Page 1 of 1

Project Manager: Ben J. Arguijo		Bill to: (if different)	Wade Dittrich	www.xenco.com		Page 1 of 1
Company Name: Trinity Oilfield Services & Rentals, LLC		Company Name:	OXY USA, Inc.	Work Order Comments		
Address: 8426 N. Dal Paso		Address:		Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐		
City, State ZIP: Hobbs, NM 88242		City, State ZIP:		State of Project:		
Phone: (575)390-7208	Email: Wade.Dittrich@oxy.com & ben@trinityoilfieldservices.com			Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐		
				Deliverables: EDD ☐ ADaPT ☐ 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			
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 : Ho													

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.

This document is the property of the State of Tennessee. It is to be returned to the State of Tennessee upon request. These terms will be enforced unless previously negotiated.					
Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		8/20 4:20			8/21/20
					1100

Eurofins Xenco, LLC

Prelogin/Nonconformance Report- Sample Log-In

Client: Trinity Oilfield Services & Rentals, LLC

Date/ Time Received: 08.21.2020 11.00.00 AM

Work Order #: 670676

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)?	.5
#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 BTEX was in bulk container
#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: 08.21.2020

Checklist reviewed by:



Holly Taylor

Date: 08.24.2020

Certificate of Analysis Summary 671366



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: Vortec 22 #1 Battery

Project Id:

Date Received in Lab: Mon 08.31.2020 12:55

Contact: Ben Arguijo

Report Date: 09.01.2020 14:15

Project Location: Eddy County, New Mexico

Project Manager: Holly Taylor

Analysis Requested	Lab Id:	671366-001	671366-002	671366-003	671366-004	671366-005	671366-006
	Field Id:	GA-13 N. Wall Composit	GA-14 Floor Composite	GA-16 S. Wall Composite	GA-19 Floor Composite	GA-23 Floor Composite	GA-24 Floor Composite
	Depth:						
	Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Sampled:	08.26.2020 10:30	08.26.2020 10:35	08.26.2020 10:40	08.26.2020 10:45	08.26.2020 10:50	08.27.2020 10:00
BTEX by EPA 8021B	Extracted:	08.31.2020 13:30	08.31.2020 13:30	08.31.2020 13:30	08.31.2020 13:30	08.31.2020 13:30	08.31.2020 13:30
	Analyzed:	08.31.2020 15:42	08.31.2020 16:02	08.31.2020 16:23	08.31.2020 16:44	08.31.2020 17:04	08.31.2020 17:25
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Benzene		<0.00200 0.00200	<0.00200 0.00200	<0.00201 0.00201	<0.00200 0.00200	<0.00199 0.00199	<0.00199 0.00199
Toluene		<0.00200 0.00200	<0.00200 0.00200	<0.00201 0.00201	<0.00200 0.00200	<0.00199 0.00199	<0.00199 0.00199
Ethylbenzene		<0.00200 0.00200	<0.00200 0.00200	<0.00201 0.00201	<0.00200 0.00200	<0.00199 0.00199	<0.00199 0.00199
m,p-Xylenes		<0.00399 0.00399	<0.00399 0.00399	<0.00402 0.00402	<0.00401 0.00401	<0.00398 0.00398	<0.00398 0.00398
o-Xylene		<0.00200 0.00200	<0.00200 0.00200	<0.00201 0.00201	<0.00200 0.00200	<0.00199 0.00199	<0.00199 0.00199
Total Xylenes		<0.00200 0.00200	<0.00200 0.00200	<0.00201 0.00201	<0.00200 0.00200	<0.00199 0.00199	<0.00199 0.00199
Total BTEX		<0.00200 0.00200	<0.00200 0.00200	<0.00201 0.00201	<0.00200 0.00200	<0.00199 0.00199	<0.00199 0.00199
Chloride by EPA 300	Extracted:	08.31.2020 15:40	08.31.2020 15:40	08.31.2020 15:40	08.31.2020 15:40	08.31.2020 15:40	08.31.2020 15:40
	Analyzed:	08.31.2020 18:07	08.31.2020 19:20	08.31.2020 18:22	08.31.2020 18:28	08.31.2020 18:33	08.31.2020 18:38
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		161 5.00	118 4.96	5390 49.6	3840 49.8	1920 24.9	6730 50.3
TPH By SW8015 Mod	Extracted:	08.31.2020 16:00	08.31.2020 16:00	08.31.2020 16:00	08.31.2020 16:00	08.31.2020 16:00	08.31.2020 16:00
	Analyzed:	09.01.2020 01:21	09.01.2020 02:20	09.01.2020 02:40	09.01.2020 02:59	09.01.2020 03:19	09.01.2020 03:39
	Units/RL:	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	<49.9 49.9	<49.9 49.9	<49.8 49.8	<50.0 50.0	<49.9 49.9
Diesel Range Organics (DRO)		<50.0 50.0	<49.9 49.9	<49.9 49.9	<49.8 49.8	<50.0 50.0	<49.9 49.9
Motor Oil Range Hydrocarbons (MRO)		<50.0 50.0	<49.9 49.9	<49.9 49.9	<49.8 49.8	<50.0 50.0	<49.9 49.9
Total TPH		<50.0 50.0	<49.9 49.9	<49.9 49.9	<49.8 49.8	<50.0 50.0	<49.9 49.9

BRL - Below Reporting Limit

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

Certificate of Analysis Summary 671366



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: Vortec 22 #1 Battery

Project Id:

Date Received in Lab: Mon 08.31.2020 12:55

Contact: Ben Arguijo

Report Date: 09.01.2020 14:15

Project Location: Eddy County, New Mexico

Project Manager: Holly Taylor

<i>Analysis Requested</i>	<i>Lab Id:</i>	671366-007	671366-008	671366-009	671366-010	671366-011	671366-012
	<i>Field Id:</i>	GA-25 Floor Compo	GA-27 Floor Composite	GA-29 Floor Composite	GA-30 Floor Composite	GA-48 N. Wall Composit	GA-49 N. Wall Composit
	<i>Depth:</i>						
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	08.27.2020 10:05	08.27.2020 10:10	08.27.2020 10:15	08.27.2020 10:20	08.27.2020 10:25	08.27.2020 10:40
BTEX by EPA 8021B	<i>Extracted:</i>	08.31.2020 13:30	08.31.2020 13:30	08.31.2020 13:30	08.31.2020 13:30	08.31.2020 13:30	08.31.2020 13:30
	<i>Analyzed:</i>	08.31.2020 17:46	08.31.2020 18:06	08.31.2020 18:27	08.31.2020 18:47	08.31.2020 20:11	08.31.2020 20:32
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Benzene		<0.00198 0.00198	<0.00198 0.00198	<0.00201 0.00201	<0.00200 0.00200	<0.00200 0.00200	<0.00199 0.00199
Toluene		<0.00198 0.00198	<0.00198 0.00198	<0.00201 0.00201	<0.00200 0.00200	<0.00200 0.00200	<0.00199 0.00199
Ethylbenzene		<0.00198 0.00198	<0.00198 0.00198	<0.00201 0.00201	<0.00200 0.00200	<0.00200 0.00200	<0.00199 0.00199
m,p-Xylenes		<0.00397 0.00397	<0.00396 0.00396	<0.00402 0.00402	<0.00401 0.00401	<0.00399 0.00399	<0.00398 0.00398
o-Xylene		<0.00198 0.00198	<0.00198 0.00198	<0.00201 0.00201	<0.00200 0.00200	<0.00200 0.00200	<0.00199 0.00199
Total Xylenes		<0.00198 0.00198	<0.00198 0.00198	<0.00201 0.00201	<0.00200 0.00200	<0.00200 0.00200	<0.00199 0.00199
Total BTEX		<0.00198 0.00198	<0.00198 0.00198	<0.00201 0.00201	<0.00200 0.00200	<0.00200 0.00200	<0.00199 0.00199
Chloride by EPA 300	<i>Extracted:</i>	08.31.2020 15:40	08.31.2020 15:40	08.31.2020 15:40	08.31.2020 15:40	08.31.2020 15:40	08.31.2020 15:40
	<i>Analyzed:</i>	08.31.2020 18:54	08.31.2020 18:59	08.31.2020 19:05	08.31.2020 19:10	08.31.2020 19:15	08.31.2020 19:36
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		15700 250	13600 253	17100 249	16600 250	12500 101	16500 253
TPH By SW8015 Mod	<i>Extracted:</i>	08.31.2020 16:00	08.31.2020 16:00	08.31.2020 16:00	08.31.2020 16:00	08.31.2020 16:00	08.31.2020 16:00
	<i>Analyzed:</i>	09.01.2020 03:58	09.01.2020 04:18	09.01.2020 04:38	09.01.2020 04:57	09.01.2020 05:37	09.01.2020 05:56
	<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	<49.9 49.9	<49.8 49.8	<50.0 50.0	<50.0 50.0	<50.0 50.0
Diesel Range Organics (DRO)		<50.0 50.0	<49.9 49.9	<49.8 49.8	<50.0 50.0	<50.0 50.0	<50.0 50.0
Motor Oil Range Hydrocarbons (MRO)		<50.0 50.0	<49.9 49.9	<49.8 49.8	<50.0 50.0	<50.0 50.0	<50.0 50.0
Total TPH		<50.0 50.0	<49.9 49.9	<49.8 49.8	<50.0 50.0	<50.0 50.0	<50.0 50.0

BRL - Below Reporting Limit

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

Certificate of Analysis Summary 671366

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: Vortec 22 #1 Battery

Project Id:

Date Received in Lab: Mon 08.31.2020 12:55

Contact: Ben Arguijo

Report Date: 09.01.2020 14:15

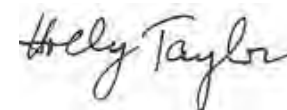
Project Location: Eddy County, New Mexico

Project Manager: Holly Taylor

Analysis Requested	Lab Id:	671366-013	671366-014				
	Field Id:	GA-49 E. Wall Composite	GA-49 Floor Composite				
	Depth:						
	Matrix:	SOIL	SOIL				
	Sampled:	08.27.2020 10:35	08.27.2020 10:30				
BTEX by EPA 8021B	Extracted:	08.31.2020 13:30	08.31.2020 13:30				
	Analyzed:	08.31.2020 20:52	08.31.2020 21:13				
	Units/RL:	mg/kg RL	mg/kg RL				
		<0.00199 0.00199	<0.00198 0.00198				
Benzene		<0.00199 0.00199	<0.00198 0.00198				
Toluene		<0.00199 0.00199	<0.00198 0.00198				
Ethylbenzene		<0.00199 0.00199	<0.00198 0.00198				
m,p-Xylenes		<0.00398 0.00398	<0.00397 0.00397				
o-Xylene		<0.00199 0.00199	<0.00198 0.00198				
Total Xylenes		<0.00199 0.00199	<0.00198 0.00198				
Total BTEX		<0.00199 0.00199	<0.00198 0.00198				
Chloride by EPA 300	Extracted:	08.31.2020 15:40	08.31.2020 15:40				
	Analyzed:	08.31.2020 19:42	08.31.2020 19:57				
	Units/RL:	mg/kg RL	mg/kg RL				
		4470 50.5	6340 49.7				
Chloride							
TPH By SW8015 Mod	Extracted:	08.31.2020 16:00	08.31.2020 16:00				
	Analyzed:	09.01.2020 06:16	09.01.2020 06:36				
	Units/RL:	mg/kg RL	mg/kg RL				
		<50.0 50.0	<50.0 50.0				
Gasoline Range Hydrocarbons (GRO)		<50.0 50.0	<50.0 50.0				
Diesel Range Organics (DRO)		<50.0 50.0	<50.0 50.0				
Motor Oil Range Hydrocarbons (MRO)		<50.0 50.0	<50.0 50.0				
Total TPH		<50.0 50.0	<50.0 50.0				

BRL - Below Reporting Limit

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



Analytical Report 671366

for

Trinity Oilfield Services & Rentals, LLC

Project Manager: Ben Arguijo

Vortec 22 #1 Battery

09.01.2020

Collected By: Client



1211 W. Florida Ave
Midland TX 79701

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-20-37), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)
Oklahoma (2019-058), 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)



09.01.2020

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

Reference: Eurofins Xenco, LLC Report No(s): **671366**
Vortec 22 #1 Battery
Project Address: Eddy County, New Mexico

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) 671366. 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. 671366 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,

A handwritten signature in black ink that reads "Holly Taylor".

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 671366****Trinity Oilfield Services & Rentals, LLC, Hobbs, NM**

Vortec 22 #1 Battery

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
GA-13 N. Wall Composite	S	08.26.2020 10:30		671366-001
GA-14 Floor Composite	S	08.26.2020 10:35		671366-002
GA-16 S. Wall Composite	S	08.26.2020 10:40		671366-003
GA-19 Floor Composite	S	08.26.2020 10:45		671366-004
GA-23 Floor Composite	S	08.26.2020 10:50		671366-005
GA-24 Floor Composite	S	08.27.2020 10:00		671366-006
GA-25 Floor Composite	S	08.27.2020 10:05		671366-007
GA-27 Floor Composite	S	08.27.2020 10:10		671366-008
GA-29 Floor Composite	S	08.27.2020 10:15		671366-009
GA-30 Floor Composite	S	08.27.2020 10:20		671366-010
GA-48 N. Wall Composite	S	08.27.2020 10:25		671366-011
GA-49 N. Wall Composite	S	08.27.2020 10:40		671366-012
GA-49 E. Wall Composite	S	08.27.2020 10:35		671366-013
GA-49 Floor Composite	S	08.27.2020 10:30		671366-014

**CASE NARRATIVE****Client Name: Trinity Oilfield Services & Rentals, LLC****Project Name: Vortec 22 #1 Battery**Project ID:
Work Order Number(s): 671366Report Date: 09.01.2020
Date Received: 08.31.2020**Sample receipt non conformances and comments:****Sample receipt non conformances and comments per sample:**

None

Analytical non conformances and comments:

Batch: LBA-3136039 BTEX by EPA 8021B

Lab Sample ID 671366-001 was randomly selected for Matrix Spike/Matrix Spike Duplicate (MS/MSD). Ethylbenzene, 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: 671366-001, -002, -003, -004, -005, -006, -007, -008, -009, -010, -011, -012, -013, -014.

The Laboratory Control Sample for m,p-Xylenes, Ethylbenzene, o-Xylene is within laboratory Control Limits, therefore the data was accepted.



Certificate of Analytical Results 671366

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-13 N. Wall Composite**

Matrix: Soil

Date Received: 08.31.2020 12:55

Lab Sample Id: 671366-001

Date Collected: 08.26.2020 10:30

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 08.31.2020 15:40

Basis: Wet Weight

Seq Number: 3136033

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	161	5.00	mg/kg	08.31.2020 18:07		1

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 08.31.2020 16:00

Basis: Wet Weight

Seq Number: 3136038

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	09.01.2020 01:21	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	09.01.2020 01:21	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	09.01.2020 01:21	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	09.01.2020 01:21	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	105	%	70-130	09.01.2020 01:21	
o-Terphenyl	84-15-1	114	%	70-130	09.01.2020 01:21	



Certificate of Analytical Results 671366

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-13 N. Wall Composite**

Matrix: Soil

Date Received: 08.31.2020 12:55

Lab Sample Id: 671366-001

Date Collected: 08.26.2020 10:30

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: AMF

% Moisture:

Analyst: AMF

Date Prep: 08.31.2020 13:30

Basis: Wet Weight

Seq Number: 3136039

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	08.31.2020 15:42	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	08.31.2020 15:42	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	08.31.2020 15:42	UX	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	08.31.2020 15:42	UX	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	08.31.2020 15:42	UX	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	08.31.2020 15:42	U	1
Total BTEX		<0.00200	0.00200	mg/kg	08.31.2020 15:42	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	108	%	70-130	08.31.2020 15:42		
1,4-Difluorobenzene	540-36-3	99	%	70-130	08.31.2020 15:42		



Certificate of Analytical Results 671366

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-14 Floor Composite**

Matrix: Soil

Date Received: 08.31.2020 12:55

Lab Sample Id: 671366-002

Date Collected: 08.26.2020 10:35

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 08.31.2020 15:40

Basis: Wet Weight

Seq Number: 3136033

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	118	4.96	mg/kg	08.31.2020 19:20		1

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 08.31.2020 16:00

Basis: Wet Weight

Seq Number: 3136038

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	09.01.2020 02:20	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	09.01.2020 02:20	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	09.01.2020 02:20	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	09.01.2020 02:20	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	97	%	70-130	09.01.2020 02:20	
o-Terphenyl	84-15-1	106	%	70-130	09.01.2020 02:20	



Certificate of Analytical Results 671366

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-14 Floor Composite**

Matrix: Soil

Date Received: 08.31.2020 12:55

Lab Sample Id: 671366-002

Date Collected: 08.26.2020 10:35

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: AMF

% Moisture:

Analyst: AMF

Date Prep: 08.31.2020 13:30

Basis: Wet Weight

Seq Number: 3136039

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	08.31.2020 16:02	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	08.31.2020 16:02	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	08.31.2020 16:02	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	08.31.2020 16:02	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	08.31.2020 16:02	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	08.31.2020 16:02	U	1
Total BTEX		<0.00200	0.00200	mg/kg	08.31.2020 16:02	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	108	%	70-130	08.31.2020 16:02		
1,4-Difluorobenzene	540-36-3	101	%	70-130	08.31.2020 16:02		



Certificate of Analytical Results 671366

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-16 S. Wall Composite**

Matrix: Soil

Date Received: 08.31.2020 12:55

Lab Sample Id: 671366-003

Date Collected: 08.26.2020 10:40

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 08.31.2020 15:40

Basis: Wet Weight

Seq Number: 3136033

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	5390	49.6	mg/kg	08.31.2020 18:22		10

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 08.31.2020 16:00

Basis: Wet Weight

Seq Number: 3136038

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	09.01.2020 02:40	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	09.01.2020 02:40	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	09.01.2020 02:40	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	09.01.2020 02:40	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	110	%	70-130	09.01.2020 02:40	
o-Terphenyl	84-15-1	117	%	70-130	09.01.2020 02:40	



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-16 S. Wall Composite**

Matrix: Soil

Date Received: 08.31.2020 12:55

Lab Sample Id: 671366-003

Date Collected: 08.26.2020 10:40

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: AMF

% Moisture:

Analyst: AMF

Date Prep: 08.31.2020 13:30

Basis: Wet Weight

Seq Number: 3136039

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	08.31.2020 16:23	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	08.31.2020 16:23	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	08.31.2020 16:23	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	08.31.2020 16:23	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	08.31.2020 16:23	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	08.31.2020 16:23	U	1
Total BTEX		<0.00201	0.00201	mg/kg	08.31.2020 16:23	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	108	%	70-130	08.31.2020 16:23		
1,4-Difluorobenzene	540-36-3	100	%	70-130	08.31.2020 16:23		



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-19 Floor Composite**

Matrix: Soil

Date Received: 08.31.2020 12:55

Lab Sample Id: 671366-004

Date Collected: 08.26.2020 10:45

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 08.31.2020 15:40

Basis: Wet Weight

Seq Number: 3136033

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	3840	49.8	mg/kg	08.31.2020 18:28		10

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 08.31.2020 16:00

Basis: Wet Weight

Seq Number: 3136038

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	09.01.2020 02:59	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	09.01.2020 02:59	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	09.01.2020 02:59	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	09.01.2020 02:59	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	101	%	70-130	09.01.2020 02:59	
o-Terphenyl	84-15-1	108	%	70-130	09.01.2020 02:59	



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-19 Floor Composite**

Matrix: Soil

Date Received: 08.31.2020 12:55

Lab Sample Id: 671366-004

Date Collected: 08.26.2020 10:45

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: AMF

% Moisture:

Analyst: AMF

Date Prep: 08.31.2020 13:30

Basis: Wet Weight

Seq Number: 3136039

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	08.31.2020 16:44	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	08.31.2020 16:44	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	08.31.2020 16:44	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	08.31.2020 16:44	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	08.31.2020 16:44	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	08.31.2020 16:44	U	1
Total BTEX		<0.00200	0.00200	mg/kg	08.31.2020 16:44	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	100	%	70-130	08.31.2020 16:44		
4-Bromofluorobenzene	460-00-4	110	%	70-130	08.31.2020 16:44		



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-23 Floor Composite**

Matrix: Soil

Date Received: 08.31.2020 12:55

Lab Sample Id: 671366-005

Date Collected: 08.26.2020 10:50

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 08.31.2020 15:40

Basis: Wet Weight

Seq Number: 3136033

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	1920	24.9	mg/kg	08.31.2020 18:33		5

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 08.31.2020 16:00

Basis: Wet Weight

Seq Number: 3136038

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	09.01.2020 03:19	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	09.01.2020 03:19	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	09.01.2020 03:19	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	09.01.2020 03:19	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	96	%	70-130	09.01.2020 03:19	
o-Terphenyl	84-15-1	99	%	70-130	09.01.2020 03:19	



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-23 Floor Composite**

Matrix: Soil

Date Received: 08.31.2020 12:55

Lab Sample Id: 671366-005

Date Collected: 08.26.2020 10:50

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: AMF

% Moisture:

Analyst: AMF

Date Prep: 08.31.2020 13:30

Basis: Wet Weight

Seq Number: 3136039

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	08.31.2020 17:04	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	08.31.2020 17:04	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	08.31.2020 17:04	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	08.31.2020 17:04	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	08.31.2020 17:04	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	08.31.2020 17:04	U	1
Total BTEX		<0.00199	0.00199	mg/kg	08.31.2020 17:04	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	99	%	70-130	08.31.2020 17:04		
4-Bromofluorobenzene	460-00-4	108	%	70-130	08.31.2020 17:04		



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-24 Floor Composite**

Matrix: Soil

Date Received: 08.31.2020 12:55

Lab Sample Id: 671366-006

Date Collected: 08.27.2020 10:00

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 08.31.2020 15:40

Basis: Wet Weight

Seq Number: 3136033

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	6730	50.3	mg/kg	08.31.2020 18:38		10

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 08.31.2020 16:00

Basis: Wet Weight

Seq Number: 3136038

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	09.01.2020 03:39	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	09.01.2020 03:39	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	09.01.2020 03:39	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	09.01.2020 03:39	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	104	%	70-130	09.01.2020 03:39	
o-Terphenyl	84-15-1	110	%	70-130	09.01.2020 03:39	



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-24 Floor Composite**

Matrix: Soil

Date Received: 08.31.2020 12:55

Lab Sample Id: 671366-006

Date Collected: 08.27.2020 10:00

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: AMF

% Moisture:

Analyst: AMF

Date Prep: 08.31.2020 13:30

Basis: Wet Weight

Seq Number: 3136039

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	08.31.2020 17:25	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	08.31.2020 17:25	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	08.31.2020 17:25	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	08.31.2020 17:25	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	08.31.2020 17:25	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	08.31.2020 17:25	U	1
Total BTEX		<0.00199	0.00199	mg/kg	08.31.2020 17:25	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	109	%	70-130	08.31.2020 17:25		
1,4-Difluorobenzene	540-36-3	102	%	70-130	08.31.2020 17:25		



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-25 Floor Composite**

Matrix: Soil

Date Received: 08.31.2020 12:55

Lab Sample Id: 671366-007

Date Collected: 08.27.2020 10:05

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 08.31.2020 15:40

Basis: Wet Weight

Seq Number: 3136033

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	15700	250	mg/kg	08.31.2020 18:54		50

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 08.31.2020 16:00

Basis: Wet Weight

Seq Number: 3136038

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	09.01.2020 03:58	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	09.01.2020 03:58	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	09.01.2020 03:58	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	09.01.2020 03:58	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	96	%	70-130	09.01.2020 03:58	
o-Terphenyl	84-15-1	103	%	70-130	09.01.2020 03:58	



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-25 Floor Composite**

Matrix: Soil

Date Received: 08.31.2020 12:55

Lab Sample Id: 671366-007

Date Collected: 08.27.2020 10:05

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: AMF

% Moisture:

Analyst: AMF

Date Prep: 08.31.2020 13:30

Basis: Wet Weight

Seq Number: 3136039

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	08.31.2020 17:46	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	08.31.2020 17:46	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	08.31.2020 17:46	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	08.31.2020 17:46	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	08.31.2020 17:46	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	08.31.2020 17:46	U	1
Total BTEX		<0.00198	0.00198	mg/kg	08.31.2020 17:46	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	108	%	70-130	08.31.2020 17:46		
1,4-Difluorobenzene	540-36-3	100	%	70-130	08.31.2020 17:46		



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-27 Floor Composite**

Matrix: Soil

Date Received: 08.31.2020 12:55

Lab Sample Id: 671366-008

Date Collected: 08.27.2020 10:10

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 08.31.2020 15:40

Basis: Wet Weight

Seq Number: 3136033

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	13600	253	mg/kg	08.31.2020 18:59		50

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 08.31.2020 16:00

Basis: Wet Weight

Seq Number: 3136038

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	09.01.2020 04:18	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	09.01.2020 04:18	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	09.01.2020 04:18	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	09.01.2020 04:18	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	97	%	70-130	09.01.2020 04:18	
o-Terphenyl	84-15-1	105	%	70-130	09.01.2020 04:18	



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-27 Floor Composite**

Matrix: Soil

Date Received: 08.31.2020 12:55

Lab Sample Id: 671366-008

Date Collected: 08.27.2020 10:10

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: AMF

% Moisture:

Analyst: AMF

Date Prep: 08.31.2020 13:30

Basis: Wet Weight

Seq Number: 3136039

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	08.31.2020 18:06	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	08.31.2020 18:06	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	08.31.2020 18:06	U	1
m,p-Xylenes	179601-23-1	<0.00396	0.00396	mg/kg	08.31.2020 18:06	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	08.31.2020 18:06	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	08.31.2020 18:06	U	1
Total BTEX		<0.00198	0.00198	mg/kg	08.31.2020 18:06	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	109	%	70-130	08.31.2020 18:06		
1,4-Difluorobenzene	540-36-3	103	%	70-130	08.31.2020 18:06		



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-29 Floor Composite**

Matrix: Soil

Date Received: 08.31.2020 12:55

Lab Sample Id: 671366-009

Date Collected: 08.27.2020 10:15

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 08.31.2020 15:40

Basis: Wet Weight

Seq Number: 3136033

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	17100	249	mg/kg	08.31.2020 19:05		50

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 08.31.2020 16:00

Basis: Wet Weight

Seq Number: 3136038

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	09.01.2020 04:38	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	09.01.2020 04:38	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	09.01.2020 04:38	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	09.01.2020 04:38	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	99	%	70-130	09.01.2020 04:38	
o-Terphenyl	84-15-1	109	%	70-130	09.01.2020 04:38	



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-29 Floor Composite**

Matrix: Soil

Date Received: 08.31.2020 12:55

Lab Sample Id: 671366-009

Date Collected: 08.27.2020 10:15

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: AMF

% Moisture:

Analyst: AMF

Date Prep: 08.31.2020 13:30

Basis: Wet Weight

Seq Number: 3136039

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	08.31.2020 18:27	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	08.31.2020 18:27	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	08.31.2020 18:27	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	08.31.2020 18:27	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	08.31.2020 18:27	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	08.31.2020 18:27	U	1
Total BTEX		<0.00201	0.00201	mg/kg	08.31.2020 18:27	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	111	%	70-130	08.31.2020 18:27		
1,4-Difluorobenzene	540-36-3	102	%	70-130	08.31.2020 18:27		



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-30 Floor Composite**

Matrix: Soil

Date Received: 08.31.2020 12:55

Lab Sample Id: 671366-010

Date Collected: 08.27.2020 10:20

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 08.31.2020 15:40

Basis: Wet Weight

Seq Number: 3136033

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	16600	250	mg/kg	08.31.2020 19:10		50

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 08.31.2020 16:00

Basis: Wet Weight

Seq Number: 3136038

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	09.01.2020 04:57	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	09.01.2020 04:57	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	09.01.2020 04:57	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	09.01.2020 04:57	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	102	%	70-130	09.01.2020 04:57	
o-Terphenyl	84-15-1	113	%	70-130	09.01.2020 04:57	



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-30 Floor Composite**

Matrix: Soil

Date Received: 08.31.2020 12:55

Lab Sample Id: 671366-010

Date Collected: 08.27.2020 10:20

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: AMF

% Moisture:

Analyst: AMF

Date Prep: 08.31.2020 13:30

Basis: Wet Weight

Seq Number: 3136039

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	08.31.2020 18:47	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	08.31.2020 18:47	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	08.31.2020 18:47	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	08.31.2020 18:47	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	08.31.2020 18:47	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	08.31.2020 18:47	U	1
Total BTEX		<0.00200	0.00200	mg/kg	08.31.2020 18:47	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	111	%	70-130	08.31.2020 18:47		
1,4-Difluorobenzene	540-36-3	103	%	70-130	08.31.2020 18:47		



Certificate of Analytical Results 671366

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-48 N. Wall Composite**

Matrix: Soil

Date Received: 08.31.2020 12:55

Lab Sample Id: 671366-011

Date Collected: 08.27.2020 10:25

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 08.31.2020 15:40

Basis: Wet Weight

Seq Number: 3136033

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	12500	101	mg/kg	08.31.2020 19:15		20

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 08.31.2020 16:00

Basis: Wet Weight

Seq Number: 3136038

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	09.01.2020 05:37	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	09.01.2020 05:37	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	09.01.2020 05:37	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	09.01.2020 05:37	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	106	%	70-130	09.01.2020 05:37	
o-Terphenyl	84-15-1	116	%	70-130	09.01.2020 05:37	



Certificate of Analytical Results 671366

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-48 N. Wall Composite**

Matrix: Soil

Date Received: 08.31.2020 12:55

Lab Sample Id: 671366-011

Date Collected: 08.27.2020 10:25

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: AMF

% Moisture:

Analyst: AMF

Date Prep: 08.31.2020 13:30

Basis: Wet Weight

Seq Number: 3136039

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	08.31.2020 20:11	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	08.31.2020 20:11	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	08.31.2020 20:11	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	08.31.2020 20:11	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	08.31.2020 20:11	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	08.31.2020 20:11	U	1
Total BTEX		<0.00200	0.00200	mg/kg	08.31.2020 20:11	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	109	%	70-130	08.31.2020 20:11		
1,4-Difluorobenzene	540-36-3	100	%	70-130	08.31.2020 20:11		



Certificate of Analytical Results 671366

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-49 N. Wall Composite**

Matrix: Soil

Date Received: 08.31.2020 12:55

Lab Sample Id: 671366-012

Date Collected: 08.27.2020 10:40

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 08.31.2020 15:40

Basis: Wet Weight

Seq Number: 3136033

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	16500	253	mg/kg	08.31.2020 19:36		50

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 08.31.2020 16:00

Basis: Wet Weight

Seq Number: 3136038

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	09.01.2020 05:56	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	09.01.2020 05:56	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	09.01.2020 05:56	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	09.01.2020 05:56	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	98	%	70-130	09.01.2020 05:56	
o-Terphenyl	84-15-1	107	%	70-130	09.01.2020 05:56	



Certificate of Analytical Results 671366

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-49 N. Wall Composite**

Matrix: Soil

Date Received: 08.31.2020 12:55

Lab Sample Id: 671366-012

Date Collected: 08.27.2020 10:40

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: AMF

% Moisture:

Analyst: AMF

Date Prep: 08.31.2020 13:30

Basis: Wet Weight

Seq Number: 3136039

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	08.31.2020 20:32	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	08.31.2020 20:32	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	08.31.2020 20:32	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	08.31.2020 20:32	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	08.31.2020 20:32	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	08.31.2020 20:32	U	1
Total BTEX		<0.00199	0.00199	mg/kg	08.31.2020 20:32	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	110	%	70-130	08.31.2020 20:32		
1,4-Difluorobenzene	540-36-3	102	%	70-130	08.31.2020 20:32		



Certificate of Analytical Results 671366

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-49 E. Wall Composite**

Matrix: Soil

Date Received: 08.31.2020 12:55

Lab Sample Id: 671366-013

Date Collected: 08.27.2020 10:35

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 08.31.2020 15:40

Basis: Wet Weight

Seq Number: 3136033

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	4470	50.5	mg/kg	08.31.2020 19:42		10

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 08.31.2020 16:00

Basis: Wet Weight

Seq Number: 3136038

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	09.01.2020 06:16	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	09.01.2020 06:16	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	09.01.2020 06:16	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	09.01.2020 06:16	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	96	%	70-130	09.01.2020 06:16	
o-Terphenyl	84-15-1	104	%	70-130	09.01.2020 06:16	



Certificate of Analytical Results 671366

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-49 E. Wall Composite**

Matrix: Soil

Date Received: 08.31.2020 12:55

Lab Sample Id: 671366-013

Date Collected: 08.27.2020 10:35

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: AMF

% Moisture:

Analyst: AMF

Date Prep: 08.31.2020 13:30

Basis: Wet Weight

Seq Number: 3136039

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	08.31.2020 20:52	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	08.31.2020 20:52	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	08.31.2020 20:52	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	08.31.2020 20:52	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	08.31.2020 20:52	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	08.31.2020 20:52	U	1
Total BTEX		<0.00199	0.00199	mg/kg	08.31.2020 20:52	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	110	%	70-130	08.31.2020 20:52		
1,4-Difluorobenzene	540-36-3	99	%	70-130	08.31.2020 20:52		



Certificate of Analytical Results 671366

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-49 Floor Composite**

Matrix: Soil

Date Received: 08.31.2020 12:55

Lab Sample Id: 671366-014

Date Collected: 08.27.2020 10:30

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 08.31.2020 15:40

Basis: Wet Weight

Seq Number: 3136033

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	6340	49.7	mg/kg	08.31.2020 19:57		10

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 08.31.2020 16:00

Basis: Wet Weight

Seq Number: 3136038

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	09.01.2020 06:36	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	09.01.2020 06:36	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	09.01.2020 06:36	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	09.01.2020 06:36	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	106	%	70-130	09.01.2020 06:36	
o-Terphenyl	84-15-1	114	%	70-130	09.01.2020 06:36	



Certificate of Analytical Results 671366

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-49 Floor Composite**

Matrix: Soil

Date Received: 08.31.2020 12:55

Lab Sample Id: 671366-014

Date Collected: 08.27.2020 10:30

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: AMF

% Moisture:

Analyst: AMF

Date Prep: 08.31.2020 13:30

Basis: Wet Weight

Seq Number: 3136039

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	08.31.2020 21:13	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	08.31.2020 21:13	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	08.31.2020 21:13	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	08.31.2020 21:13	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	08.31.2020 21:13	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	08.31.2020 21:13	U	1
Total BTEX		<0.00198	0.00198	mg/kg	08.31.2020 21:13	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	110	%	70-130	08.31.2020 21:13		
1,4-Difluorobenzene	540-36-3	98	%	70-130	08.31.2020 21:13		

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

Vortec 22 #1 Battery

Analytical Method: Chloride by EPA 300

Seq Number: 3136033

MB Sample Id: 7710529-1-BLK

Matrix: Solid

LCS Sample Id: 7710529-1-BKS

Prep Method: E300P

Date Prep: 08.31.2020

LCSD Sample Id: 7710529-1-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	261	104	262	105	90-110	0	20	mg/kg	08.31.2020 17:56	

Analytical Method: Chloride by EPA 300

Seq Number: 3136033

Parent Sample Id: 671366-001

Matrix: Soil

MS Sample Id: 671366-001 S

Prep Method: E300P

Date Prep: 08.31.2020

MSD Sample Id: 671366-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	161	250	433	109	433	109	90-110	0	20	mg/kg	08.31.2020 18:12	

Analytical Method: Chloride by EPA 300

Seq Number: 3136033

Parent Sample Id: 671366-002

Matrix: Soil

MS Sample Id: 671366-002 S

Prep Method: E300P

Date Prep: 08.31.2020

MSD Sample Id: 671366-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	118	248	387	108	388	109	90-110	0	20	mg/kg	08.31.2020 19:26	

Analytical Method: TPH By SW8015 Mod

Seq Number: 3136038

MB Sample Id: 7710540-1-BLK

Matrix: Solid

LCS Sample Id: 7710540-1-BKS

Prep Method: SW8015P

Date Prep: 08.31.2020

LCSD Sample Id: 7710540-1-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	981	98	983	98	70-130	0	20	mg/kg	09.01.2020 00:42	
Diesel Range Organics (DRO)	<50.0	1000	1030	103	1050	105	70-130	2	20	mg/kg	09.01.2020 00:42	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	115		103		103		70-130	%	09.01.2020 00:42
o-Terphenyl	128		105		102		70-130	%	09.01.2020 00:42

Analytical Method: TPH By SW8015 Mod

Seq Number: 3136038

Matrix: Solid

MB Sample Id: 7710540-1-BLK

Prep Method: SW8015P

Date Prep: 08.31.2020

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	09.01.2020 00:22	

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

Vortec 22 #1 Battery

Analytical Method: TPH By SW8015 Mod

Seq Number: 3136038

Parent Sample Id: 671366-001

Matrix: Soil

MS Sample Id: 671366-001 S

Prep Method: SW8015P

Date Prep: 08.31.2020

MSD Sample Id: 671366-001 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	1040	104	963	96	70-130	8	20	mg/kg	09.01.2020 08:15	
Diesel Range Organics (DRO)	<49.9	997	1130	113	1030	103	70-130	9	20	mg/kg	09.01.2020 08:15	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	108		111		70-130	%	09.01.2020 08:15
o-Terphenyl	110		103		70-130	%	09.01.2020 08:15

Analytical Method: BTEX by EPA 8021B

Seq Number: 3136039

MB Sample Id: 7710557-1-BLK

Matrix: Solid

LCS Sample Id: 7710557-1-BKS

Prep Method: SW5035A

Date Prep: 08.31.2020

LCSD Sample Id: 7710557-1-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	0.0927	93	0.0962	96	70-130	4	35	mg/kg	08.31.2020 13:17	
Toluene	<0.00200	0.100	0.0886	89	0.0920	92	70-130	4	35	mg/kg	08.31.2020 13:17	
Ethylbenzene	<0.00200	0.100	0.0930	93	0.0960	96	70-130	3	35	mg/kg	08.31.2020 13:17	
m,p-Xylenes	<0.00400	0.200	0.183	92	0.190	95	70-130	4	35	mg/kg	08.31.2020 13:17	
o-Xylene	<0.00200	0.100	0.0884	88	0.0917	92	70-130	4	35	mg/kg	08.31.2020 13:17	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	97		97		97		70-130	%	08.31.2020 13:17
4-Bromofluorobenzene	105		103		104		70-130	%	08.31.2020 13:17

Analytical Method: BTEX by EPA 8021B

Seq Number: 3136039

Parent Sample Id: 671366-001

Matrix: Soil

MS Sample Id: 671366-001 S

Prep Method: SW5035A

Date Prep: 08.31.2020

MSD Sample Id: 671366-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00199	0.0994	0.0850	86	0.0697	70	70-130	20	35	mg/kg	08.31.2020 13:59	
Toluene	<0.00199	0.0994	0.0933	94	0.0748	75	70-130	22	35	mg/kg	08.31.2020 13:59	
Ethylbenzene	<0.00199	0.0994	0.0873	88	0.0640	64	70-130	31	35	mg/kg	08.31.2020 13:59	X
m,p-Xylenes	<0.00398	0.199	0.174	87	0.124	62	70-130	34	35	mg/kg	08.31.2020 13:59	X
o-Xylene	<0.00199	0.0994	0.0831	84	0.0600	60	70-130	32	35	mg/kg	08.31.2020 13:59	X

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	94		97		70-130	%	08.31.2020 13:59
4-Bromofluorobenzene	93		108		70-130	%	08.31.2020 13:59

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

ORIGIN ID: H0BA
*MAIL SERVICES ETC
4008 N GRIMES
HOBBS, NM 88240
UNITED STATES US

DATE: 28AUG20
ACTWGT: 19.00 LB MAN
CAD: 0103352/CAFE3313
DIMS: 18x16x13 IN
BILL RECIPIENT

TO XENCO HOLD FOR PICKUP
FEDEX EXPRESS SHIP CENTER
FEDEX EXPRESS SHIP CENTER
3600 COUNTY ROAD 1276 SOUTH

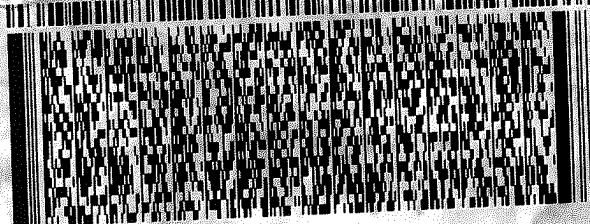
MIDLAND TX 79711

(432) 704-5440

INV:
PO:

REF:

DEPT:

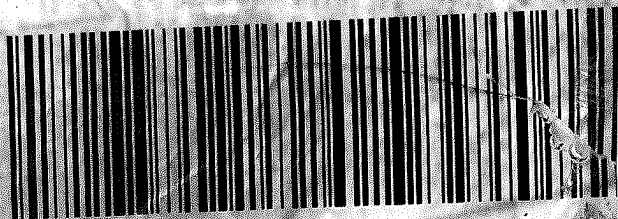


TRK# 9061 5134 8536
0201

MON - 31 AUG HO
STANDARD OVERNIGHT

41 MAFA

MAF
TX-US L



ORIGIN ID: H0BA
*MAIL SERVICES ETC
4008 N GRIMES
HOBBS, NM 88240
UNITED STATES US

DATE: 28AUG20
ACTWGT: 27.00 LB MAN
CAD: 0103352/CAFE3313
DIMS: 18x17x13 IN
BILL RECIPIENT

TO XENCO HOLD FOR PICKUP
FEDEX EXPRESS SHIP CENTER
FEDEX EXPRESS SHIP CENTER
3600 COUNTY ROAD 1276 SOUTH

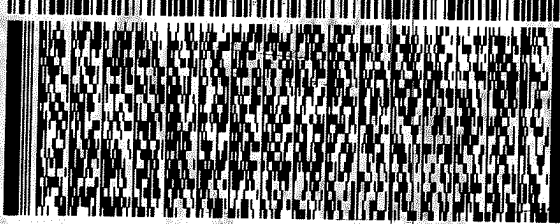
MIDLAND TX 79711

(432) 704-5440

INV:
PO:

REF:

DEPT:



TRK# 9061 5134 8547
0201

MON - 31 AUG HOLD
STANDARD OVERNIGHT

41 MAFA

HLD
MAFA
TX-US LBB



Eurofins Xenco, LLC

Prelogin/Nonconformance Report- Sample Log-In

Client: Trinity Oilfield Services & Rentals, LLC

Date/ Time Received: 08.31.2020 12.55.00 PM

Work Order #: 671366

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)?	.5
#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 BTEX was in bulk container
#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: 08.31.2020

Checklist reviewed by:



Holly Taylor

Date: 08.31.2020

Certificate of Analysis Summary 672499



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: Vortec 22 #1 Battery

Project Id:

Date Received in Lab: Tue 09.15.2020 11:09

Contact: Ben Arguijo

Report Date: 09.23.2020 10:37

Project Location: Eddy County, New Mexico

Project Manager: Holly Taylor

Analysis Requested	Lab Id:	672499-001	672499-002	672499-003	672499-004	672499-005	672499-006
	Field Id:	GA-33 Floor Composite	GA-34 Floor Composite	GA-36 Floor Composite	GA-50 E. Wall Composite	GA-50 Floor Composite	GA-51 E. Wall Composite
	Depth:						
	Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Sampled:	09.04.2020 09:30	09.04.2020 09:35	09.04.2020 09:40	09.04.2020 10:15	09.04.2020 09:45	09.04.2020 10:20
BTEX by EPA 8021B	Extracted:	09.15.2020 11:20	09.15.2020 12:00	09.15.2020 12:00	09.15.2020 12:00	09.15.2020 12:00	09.15.2020 12:00
	Analyzed:	09.15.2020 19:02	09.16.2020 01:15	09.16.2020 01:36	09.16.2020 01:56	09.16.2020 02:17	09.16.2020 02:37
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Benzene		<0.00198 0.00198	<0.00200 0.00200	0.00214 0.00199	<0.00199 0.00199	<0.00200 0.00200	<0.00198 0.00198
Toluene		0.00271 0.00198	<0.00200 0.00200	0.00358 0.00199	<0.00199 0.00199	0.00390 0.00200	0.00253 0.00198
Ethylbenzene		<0.00198 0.00198	<0.00200 0.00200	<0.00199 0.00199	<0.00199 0.00199	<0.00200 0.00200	<0.00198 0.00198
m,p-Xylenes		<0.00396 0.00396	<0.00399 0.00399	<0.00398 0.00398	<0.00398 0.00398	<0.00399 0.00399	<0.00397 0.00397
o-Xylene		<0.00198 0.00198	<0.00200 0.00200	<0.00199 0.00199	<0.00199 0.00199	<0.00200 0.00200	<0.00198 0.00198
Total Xylenes		<0.00198 0.00198	<0.00200 0.00200	<0.00199 0.00199	<0.00199 0.00199	<0.00200 0.00200	<0.00198 0.00198
Total BTEX		0.00271 0.00198	<0.00200 0.00200	0.00572 0.00199	<0.00199 0.00199	0.00390 0.00200	0.00253 0.00198
Chloride by EPA 300	Extracted:	09.16.2020 08:00	09.16.2020 08:00	09.16.2020 08:00	09.16.2020 08:00	09.16.2020 08:00	09.16.2020 08:00
	Analyzed:	09.16.2020 09:38	09.16.2020 09:54	09.16.2020 09:59	09.16.2020 10:05	09.16.2020 10:10	09.16.2020 10:26
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		313 5.05	2880 25.0	3080 24.8	16700 99.8	16600 249	17400 251
TPH By SW8015 Mod	Extracted:	09.15.2020 14:00	09.15.2020 14:00	09.15.2020 14:00	09.15.2020 14:00	09.15.2020 14:00	09.15.2020 14:00
	Analyzed:	09.15.2020 19:43	09.15.2020 20:42	09.15.2020 21:02	09.15.2020 21:21	09.15.2020 21:41	09.15.2020 22:00
	Units/RL:	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	<50.0 50.0	<49.9 49.9	<49.9 49.9	<49.8 49.8
Diesel Range Organics (DRO)		<50.0 50.0	101 50.0	113 50.0	<49.9 49.9	<49.9 49.9	<49.8 49.8
Motor Oil Range Hydrocarbons (MRO)		<50.0 50.0	<50.0 50.0	<50.0 50.0	<49.9 49.9	<49.9 49.9	<49.8 49.8
Total TPH		<50.0 50.0	101 50.0	113 50.0	<49.9 49.9	<49.9 49.9	<49.8 49.8

BRL - Below Reporting Limit

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

Certificate of Analysis Summary 672499



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: Vortec 22 #1 Battery

Project Id:

Date Received in Lab: Tue 09.15.2020 11:09

Contact: Ben Arguijo

Report Date: 09.23.2020 10:37

Project Location: Eddy County, New Mexico

Project Manager: Holly Taylor

Analysis Requested	Lab Id:	672499-007	672499-008	672499-009	672499-010	672499-011	672499-012
	Field Id:	GA-51 Floor Composite	GA-52 E. Wall Composite	GA-52 Floor Composite	GA-53 Floor Composite	GA-54 E. Wall Composite	GA-54 Floor Composite
	Depth:						
	Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Sampled:	09.04.2020 09:50	09.04.2020 10:25	09.04.2020 09:55	09.04.2020 10:00	09.04.2020 10:30	09.04.2020 10:05
BTEX by EPA 8021B	Extracted:	09.15.2020 12:00	09.15.2020 12:00	09.15.2020 12:00	09.15.2020 12:00	09.15.2020 12:00	09.15.2020 12:00
	Analyzed:	09.16.2020 02:58	09.16.2020 03:19	09.16.2020 03:39	09.16.2020 04:00	09.16.2020 04:20	09.16.2020 05:44
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Benzene		<0.00198 0.00198	<0.00199 0.00199	<0.00201 0.00201	<0.00200 0.00200	<0.00199 0.00199	<0.00199 0.00199
Toluene		0.00249 0.00198	0.00305 0.00199	0.00253 0.00201	<0.00200 0.00200	<0.00199 0.00199	<0.00199 0.00199
Ethylbenzene		<0.00198 0.00198	<0.00199 0.00199	<0.00201 0.00201	<0.00200 0.00200	<0.00199 0.00199	<0.00199 0.00199
m,p-Xylenes		<0.00396 0.00396	<0.00398 0.00398	<0.00402 0.00402	<0.00401 0.00401	<0.00398 0.00398	<0.00398 0.00398
o-Xylene		<0.00198 0.00198	<0.00199 0.00199	<0.00201 0.00201	<0.00200 0.00200	<0.00199 0.00199	<0.00199 0.00199
Total Xylenes		<0.00198 0.00198	<0.00199 0.00199	<0.00201 0.00201	<0.00200 0.00200	<0.00199 0.00199	<0.00199 0.00199
Total BTEX		0.00249 0.00198	0.00305 0.00199	0.00253 0.00201	<0.00200 0.00200	<0.00199 0.00199	<0.00199 0.00199
Chloride by EPA 300	Extracted:	09.16.2020 08:00	09.16.2020 08:00	09.16.2020 08:00	09.16.2020 08:00	09.16.2020 08:00	09.16.2020 08:00
	Analyzed:	09.16.2020 10:31	09.16.2020 10:36	09.16.2020 10:41	09.16.2020 10:47	09.16.2020 10:52	09.16.2020 11:08
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		16500 248	13500 99.6	13500 100	13300 101	3780 24.8	7440 50.2
TPH By SW8015 Mod	Extracted:	09.15.2020 14:00	09.15.2020 14:00	09.15.2020 14:00	09.15.2020 14:00	09.15.2020 14:00	09.15.2020 14:00
	Analyzed:	09.15.2020 22:20	09.15.2020 22:39	09.16.2020 07:46	09.15.2020 23:18	09.15.2020 23:37	09.15.2020 23:57
	Units/RL:	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	<50.0 50.0	<49.9 49.9	<49.8 49.8	<50.0 50.0
Diesel Range Organics (DRO)		<50.0 50.0	<50.0 50.0	<50.0 50.0	<49.9 49.9	<49.8 49.8	<50.0 50.0
Motor Oil Range Hydrocarbons (MRO)		<50.0 50.0	<50.0 50.0	<50.0 50.0	<49.9 49.9	<49.8 49.8	<50.0 50.0
Total TPH		<50.0 50.0	<50.0 50.0	<50.0 50.0	<49.9 49.9	<49.8 49.8	<50.0 50.0

BRL - Below Reporting Limit

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

Certificate of Analysis Summary 672499

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: Vortec 22 #1 Battery

Project Id:

Date Received in Lab: Tue 09.15.2020 11:09

Contact: Ben Arguijo

Report Date: 09.23.2020 10:37

Project Location: Eddy County, New Mexico

Project Manager: Holly Taylor

Analysis Requested	Lab Id:	672499-013	672499-014				
	Field Id:	GA-55 E. Wall Composite	GA-55 Floor Composite				
	Depth:						
	Matrix:	SOIL	SOIL				
	Sampled:	09.04.2020 10:35	09.04.2020 10:10				
BTEX by EPA 8021B	Extracted:	09.15.2020 12:00	09.15.2020 12:00				
	Analyzed:	09.16.2020 06:05	09.16.2020 06:25				
	Units/RL:	mg/kg RL	mg/kg RL				
		<0.00199 0.00199	<0.00200 0.00200				
Benzene		<0.00199 0.00199	<0.00200 0.00200				
Toluene		<0.00199 0.00199	<0.00200 0.00200				
Ethylbenzene		<0.00199 0.00199	<0.00200 0.00200				
m,p-Xylenes		<0.00398 0.00398	<0.00399 0.00399				
o-Xylene		<0.00199 0.00199	<0.00200 0.00200				
Total Xylenes		<0.00199 0.00199	<0.00200 0.00200				
Total BTEX		<0.00199 0.00199	<0.00200 0.00200				
Chloride by EPA 300	Extracted:	09.16.2020 08:00	09.16.2020 08:00				
	Analyzed:	09.16.2020 11:13	09.16.2020 11:29				
	Units/RL:	mg/kg RL	mg/kg RL				
		7520 49.9	7040 50.5				
Chloride		7520 49.9	7040 50.5				
TPH By SW8015 Mod	Extracted:	09.15.2020 14:00	09.15.2020 14:00				
	Analyzed:	09.16.2020 00:17	09.16.2020 00:36				
	Units/RL:	mg/kg RL	mg/kg RL				
		<49.9 49.9	<49.9 49.9				
Gasoline Range Hydrocarbons (GRO)		<49.9 49.9	<49.9 49.9				
Diesel Range Organics (DRO)		<49.9 49.9	<49.9 49.9				
Motor Oil Range Hydrocarbons (MRO)		<49.9 49.9	<49.9 49.9				
Total TPH		<49.9 49.9	<49.9 49.9				

BRL - Below Reporting Limit

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



Analytical Report 672499

for

Trinity Oilfield Services & Rentals, LLC

Project Manager: Ben Arguijo

Vortec 22 #1 Battery

09.23.2020

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 (2019-058), 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)



09.23.2020

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

Reference: Eurofins Xenco, LLC Report No(s): **672499**
Vortec 22 #1 Battery
Project Address: Eddy County, New Mexico

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) 672499. 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. 672499 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,

A handwritten signature in black ink that reads "Jessica Kramer".

Jessica Kramer
Project Manager

A Small Business and Minority Company

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

**Sample Cross Reference 672499****Trinity Oilfield Services & Rentals, LLC, Hobbs, NM**

Vortec 22 #1 Battery

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
GA-33 Floor Composite	S	09.04.2020 09:30		672499-001
GA-34 Floor Composite	S	09.04.2020 09:35		672499-002
GA-36 Floor Composite	S	09.04.2020 09:40		672499-003
GA-50 E. Wall Composite	S	09.04.2020 10:15		672499-004
GA-50 Floor Composite	S	09.04.2020 09:45		672499-005
GA-51 E.Wall Composite	S	09.04.2020 10:20		672499-006
GA-51 Floor Composite	S	09.04.2020 09:50		672499-007
GA-52 E. Wall Composite	S	09.04.2020 10:25		672499-008
GA-52 Floor Composite	S	09.04.2020 09:55		672499-009
GA-53 Floor Composite	S	09.04.2020 10:00		672499-010
GA-54 E. Wall Composite	S	09.04.2020 10:30		672499-011
GA-54 Floor Composite	S	09.04.2020 10:05		672499-012
GA-55 E. Wall Composite	S	09.04.2020 10:35		672499-013
GA-55 Floor Composite	S	09.04.2020 10:10		672499-014



CASE NARRATIVE

Client Name: Trinity Oilfield Services & Rentals, LLC

Project Name: Vortec 22 #1 Battery

Project ID:

Work Order Number(s): 672499

Report Date: 09.23.2020

Date Received: 09.15.2020

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None



Certificate of Analytical Results 672499

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-33 Floor Composite**

Matrix: Soil

Date Received: 09.15.2020 11:09

Lab Sample Id: 672499-001

Date Collected: 09.04.2020 09:30

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 09.16.2020 08:00

Basis: Wet Weight

Seq Number: 3137335

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	313	5.05	mg/kg	09.16.2020 09:38		1

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 09.15.2020 14:00

Basis: Wet Weight

Seq Number: 3137270

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	09.15.2020 19:43	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	09.15.2020 19:43	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	09.15.2020 19:43	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	09.15.2020 19:43	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	71	%	70-130	09.15.2020 19:43	
o-Terphenyl	84-15-1	76	%	70-130	09.15.2020 19:43	



Certificate of Analytical Results 672499

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-33 Floor Composite**

Matrix: Soil

Date Received: 09.15.2020 11:09

Lab Sample Id: 672499-001

Date Collected: 09.04.2020 09:30

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: AMF

% Moisture:

Analyst: AMF

Date Prep: 09.15.2020 11:20

Basis: Wet Weight

Seq Number: 3137238

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	09.15.2020 19:02	U	1
Toluene	108-88-3	0.00271	0.00198	mg/kg	09.15.2020 19:02		1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	09.15.2020 19:02	U	1
m,p-Xylenes	179601-23-1	<0.00396	0.00396	mg/kg	09.15.2020 19:02	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	09.15.2020 19:02	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	09.15.2020 19:02	U	1
Total BTEX		0.00271	0.00198	mg/kg	09.15.2020 19:02		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	102	%	70-130	09.15.2020 19:02		
1,4-Difluorobenzene	540-36-3	97	%	70-130	09.15.2020 19:02		



Certificate of Analytical Results 672499

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-34 Floor Composite**

Matrix: Soil

Date Received: 09.15.2020 11:09

Lab Sample Id: 672499-002

Date Collected: 09.04.2020 09:35

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 09.16.2020 08:00

Basis: Wet Weight

Seq Number: 3137335

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	2880	25.0	mg/kg	09.16.2020 09:54		5

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 09.15.2020 14:00

Basis: Wet Weight

Seq Number: 3137270

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	09.15.2020 20:42	U	1
Diesel Range Organics (DRO)	C10C28DRO	101	50.0	mg/kg	09.15.2020 20:42		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	09.15.2020 20:42	U	1
Total TPH	PHC635	101	50.0	mg/kg	09.15.2020 20:42		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	78	%	70-130	09.15.2020 20:42	
o-Terphenyl	84-15-1	84	%	70-130	09.15.2020 20:42	



Certificate of Analytical Results 672499

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-34 Floor Composite**

Matrix: Soil

Date Received: 09.15.2020 11:09

Lab Sample Id: 672499-002

Date Collected: 09.04.2020 09:35

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: AMF

% Moisture:

Analyst: AMF

Date Prep: 09.15.2020 12:00

Basis: Wet Weight

Seq Number: 3137235

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	09.16.2020 01:15	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	09.16.2020 01:15	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	09.16.2020 01:15	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	09.16.2020 01:15	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	09.16.2020 01:15	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	09.16.2020 01:15	U	1
Total BTEX		<0.00200	0.00200	mg/kg	09.16.2020 01:15	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	114	%	70-130	09.16.2020 01:15		
1,4-Difluorobenzene	540-36-3	93	%	70-130	09.16.2020 01:15		



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-36 Floor Composite**

Matrix: Soil

Date Received: 09.15.2020 11:09

Lab Sample Id: 672499-003

Date Collected: 09.04.2020 09:40

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 09.16.2020 08:00

Basis: Wet Weight

Seq Number: 3137335

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	3080	24.8	mg/kg	09.16.2020 09:59		5

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 09.15.2020 14:00

Basis: Wet Weight

Seq Number: 3137270

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	09.15.2020 21:02	U	1
Diesel Range Organics (DRO)	C10C28DRO	113	50.0	mg/kg	09.15.2020 21:02		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	09.15.2020 21:02	U	1
Total TPH	PHC635	113	50.0	mg/kg	09.15.2020 21:02		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	75	%	70-130	09.15.2020 21:02	
o-Terphenyl	84-15-1	80	%	70-130	09.15.2020 21:02	



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-36 Floor Composite**

Matrix: Soil

Date Received: 09.15.2020 11:09

Lab Sample Id: 672499-003

Date Collected: 09.04.2020 09:40

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: AMF

% Moisture:

Analyst: AMF

Date Prep: 09.15.2020 12:00

Basis: Wet Weight

Seq Number: 3137235

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	0.00214	0.00199	mg/kg	09.16.2020 01:36		1
Toluene	108-88-3	0.00358	0.00199	mg/kg	09.16.2020 01:36		1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	09.16.2020 01:36	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	09.16.2020 01:36	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	09.16.2020 01:36	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	09.16.2020 01:36	U	1
Total BTEX		0.00572	0.00199	mg/kg	09.16.2020 01:36		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	105	%	70-130	09.16.2020 01:36		
1,4-Difluorobenzene	540-36-3	102	%	70-130	09.16.2020 01:36		



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-50 E. Wall Composite**

Matrix: Soil

Date Received: 09.15.2020 11:09

Lab Sample Id: 672499-004

Date Collected: 09.04.2020 10:15

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 09.16.2020 08:00

Basis: Wet Weight

Seq Number: 3137335

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	16700	99.8	mg/kg	09.16.2020 10:05		20

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 09.15.2020 14:00

Basis: Wet Weight

Seq Number: 3137270

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	09.15.2020 21:21	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	09.15.2020 21:21	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	09.15.2020 21:21	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	09.15.2020 21:21	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	78	%	70-130	09.15.2020 21:21	
o-Terphenyl	84-15-1	88	%	70-130	09.15.2020 21:21	



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-50 E. Wall Composite**

Matrix: Soil

Date Received: 09.15.2020 11:09

Lab Sample Id: 672499-004

Date Collected: 09.04.2020 10:15

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: AMF

% Moisture:

Analyst: AMF

Date Prep: 09.15.2020 12:00

Basis: Wet Weight

Seq Number: 3137235

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	09.16.2020 01:56	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	09.16.2020 01:56	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	09.16.2020 01:56	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	09.16.2020 01:56	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	09.16.2020 01:56	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	09.16.2020 01:56	U	1
Total BTEX		<0.00199	0.00199	mg/kg	09.16.2020 01:56	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	106	%	70-130	09.16.2020 01:56		
1,4-Difluorobenzene	540-36-3	101	%	70-130	09.16.2020 01:56		



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-50 Floor Composite**

Matrix: Soil

Date Received: 09.15.2020 11:09

Lab Sample Id: 672499-005

Date Collected: 09.04.2020 09:45

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 09.16.2020 08:00

Basis: Wet Weight

Seq Number: 3137335

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	16600	249	mg/kg	09.16.2020 10:10		50

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 09.15.2020 14:00

Basis: Wet Weight

Seq Number: 3137270

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	09.15.2020 21:41	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	09.15.2020 21:41	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	09.15.2020 21:41	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	09.15.2020 21:41	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	78	%	70-130	09.15.2020 21:41	
o-Terphenyl	84-15-1	88	%	70-130	09.15.2020 21:41	



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-50 Floor Composite**

Matrix: Soil

Date Received: 09.15.2020 11:09

Lab Sample Id: 672499-005

Date Collected: 09.04.2020 09:45

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: AMF

% Moisture:

Analyst: AMF

Date Prep: 09.15.2020 12:00

Basis: Wet Weight

Seq Number: 3137235

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	09.16.2020 02:17	U	1
Toluene	108-88-3	0.00390	0.00200	mg/kg	09.16.2020 02:17		1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	09.16.2020 02:17	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	09.16.2020 02:17	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	09.16.2020 02:17	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	09.16.2020 02:17	U	1
Total BTEX		0.00390	0.00200	mg/kg	09.16.2020 02:17		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	110	%	70-130	09.16.2020 02:17		
1,4-Difluorobenzene	540-36-3	103	%	70-130	09.16.2020 02:17		



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-51 E.Wall Composite**

Matrix: Soil

Date Received: 09.15.2020 11:09

Lab Sample Id: 672499-006

Date Collected: 09.04.2020 10:20

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 09.16.2020 08:00

Basis: Wet Weight

Seq Number: 3137335

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	17400	251	mg/kg	09.16.2020 10:26		50

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 09.15.2020 14:00

Basis: Wet Weight

Seq Number: 3137270

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	09.15.2020 22:00	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	09.15.2020 22:00	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	09.15.2020 22:00	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	09.15.2020 22:00	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	81	%	70-130	09.15.2020 22:00	
o-Terphenyl	84-15-1	92	%	70-130	09.15.2020 22:00	



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-51 E.Wall Composite**

Matrix: Soil

Date Received: 09.15.2020 11:09

Lab Sample Id: 672499-006

Date Collected: 09.04.2020 10:20

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: AMF

% Moisture:

Analyst: AMF

Date Prep: 09.15.2020 12:00

Basis: Wet Weight

Seq Number: 3137235

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	09.16.2020 02:37	U	1
Toluene	108-88-3	0.00253	0.00198	mg/kg	09.16.2020 02:37		1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	09.16.2020 02:37	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	09.16.2020 02:37	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	09.16.2020 02:37	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	09.16.2020 02:37	U	1
Total BTEX		0.00253	0.00198	mg/kg	09.16.2020 02:37		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	102	%	70-130	09.16.2020 02:37		
4-Bromofluorobenzene	460-00-4	106	%	70-130	09.16.2020 02:37		



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-51 Floor Composite**

Matrix: Soil

Date Received: 09.15.2020 11:09

Lab Sample Id: 672499-007

Date Collected: 09.04.2020 09:50

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 09.16.2020 08:00

Basis: Wet Weight

Seq Number: 3137335

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	16500	248	mg/kg	09.16.2020 10:31		50

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 09.15.2020 14:00

Basis: Wet Weight

Seq Number: 3137270

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	09.15.2020 22:20	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	09.15.2020 22:20	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	09.15.2020 22:20	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	09.15.2020 22:20	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	77	%	70-130	09.15.2020 22:20	
o-Terphenyl	84-15-1	86	%	70-130	09.15.2020 22:20	



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-51 Floor Composite**

Matrix: Soil

Date Received: 09.15.2020 11:09

Lab Sample Id: 672499-007

Date Collected: 09.04.2020 09:50

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: AMF

% Moisture:

Analyst: AMF

Date Prep: 09.15.2020 12:00

Basis: Wet Weight

Seq Number: 3137235

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	09.16.2020 02:58	U	1
Toluene	108-88-3	0.00249	0.00198	mg/kg	09.16.2020 02:58		1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	09.16.2020 02:58	U	1
m,p-Xylenes	179601-23-1	<0.00396	0.00396	mg/kg	09.16.2020 02:58	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	09.16.2020 02:58	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	09.16.2020 02:58	U	1
Total BTEX		0.00249	0.00198	mg/kg	09.16.2020 02:58		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	107	%	70-130	09.16.2020 02:58		
1,4-Difluorobenzene	540-36-3	101	%	70-130	09.16.2020 02:58		



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-52 E. Wall Composite**

Matrix: Soil

Date Received: 09.15.2020 11:09

Lab Sample Id: 672499-008

Date Collected: 09.04.2020 10:25

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 09.16.2020 08:00

Basis: Wet Weight

Seq Number: 3137335

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	13500	99.6	mg/kg	09.16.2020 10:36		20

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 09.15.2020 14:00

Basis: Wet Weight

Seq Number: 3137270

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	09.15.2020 22:39	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	09.15.2020 22:39	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	09.15.2020 22:39	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	09.15.2020 22:39	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	76	%	70-130	09.15.2020 22:39	
o-Terphenyl	84-15-1	85	%	70-130	09.15.2020 22:39	



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-52 E. Wall Composite**

Matrix: Soil

Date Received: 09.15.2020 11:09

Lab Sample Id: 672499-008

Date Collected: 09.04.2020 10:25

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: AMF

% Moisture:

Analyst: AMF

Date Prep: 09.15.2020 12:00

Basis: Wet Weight

Seq Number: 3137235

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	09.16.2020 03:19	U	1
Toluene	108-88-3	0.00305	0.00199	mg/kg	09.16.2020 03:19		1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	09.16.2020 03:19	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	09.16.2020 03:19	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	09.16.2020 03:19	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	09.16.2020 03:19	U	1
Total BTEX		0.00305	0.00199	mg/kg	09.16.2020 03:19		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	105	%	70-130	09.16.2020 03:19		
1,4-Difluorobenzene	540-36-3	100	%	70-130	09.16.2020 03:19		



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-52 Floor Composite**

Matrix: Soil

Date Received: 09.15.2020 11:09

Lab Sample Id: 672499-009

Date Collected: 09.04.2020 09:55

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 09.16.2020 08:00

Basis: Wet Weight

Seq Number: 3137335

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	13500	100	mg/kg	09.16.2020 10:41		20

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 09.15.2020 14:00

Basis: Wet Weight

Seq Number: 3137270

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	09.16.2020 07:46	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	09.16.2020 07:46	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	09.16.2020 07:46	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	09.16.2020 07:46	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	87	%	70-130	09.16.2020 07:46	
o-Terphenyl	84-15-1	99	%	70-130	09.16.2020 07:46	



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-52 Floor Composite**

Matrix: Soil

Date Received: 09.15.2020 11:09

Lab Sample Id: 672499-009

Date Collected: 09.04.2020 09:55

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: AMF

% Moisture:

Analyst: AMF

Date Prep: 09.15.2020 12:00

Basis: Wet Weight

Seq Number: 3137235

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	09.16.2020 03:39	U	1
Toluene	108-88-3	0.00253	0.00201	mg/kg	09.16.2020 03:39		1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	09.16.2020 03:39	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	09.16.2020 03:39	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	09.16.2020 03:39	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	09.16.2020 03:39	U	1
Total BTEX		0.00253	0.00201	mg/kg	09.16.2020 03:39		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	101	%	70-130	09.16.2020 03:39		
4-Bromofluorobenzene	460-00-4	109	%	70-130	09.16.2020 03:39		



Certificate of Analytical Results 672499

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-53 Floor Composite**

Matrix: Soil

Date Received: 09.15.2020 11:09

Lab Sample Id: 672499-010

Date Collected: 09.04.2020 10:00

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 09.16.2020 08:00

Basis: Wet Weight

Seq Number: 3137335

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	13300	101	mg/kg	09.16.2020 10:47		20

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 09.15.2020 14:00

Basis: Wet Weight

Seq Number: 3137270

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	09.15.2020 23:18	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	09.15.2020 23:18	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	09.15.2020 23:18	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	09.15.2020 23:18	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	79	%	70-130	09.15.2020 23:18	
o-Terphenyl	84-15-1	88	%	70-130	09.15.2020 23:18	



Certificate of Analytical Results 672499

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-53 Floor Composite**

Matrix: Soil

Date Received: 09.15.2020 11:09

Lab Sample Id: 672499-010

Date Collected: 09.04.2020 10:00

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: AMF

% Moisture:

Analyst: AMF

Date Prep: 09.15.2020 12:00

Basis: Wet Weight

Seq Number: 3137235

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	09.16.2020 04:00	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	09.16.2020 04:00	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	09.16.2020 04:00	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	09.16.2020 04:00	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	09.16.2020 04:00	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	09.16.2020 04:00	U	1
Total BTEX		<0.00200	0.00200	mg/kg	09.16.2020 04:00	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	107	%	70-130	09.16.2020 04:00		
1,4-Difluorobenzene	540-36-3	101	%	70-130	09.16.2020 04:00		



Certificate of Analytical Results 672499

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-54 E. Wall Composite**

Matrix: Soil

Date Received: 09.15.2020 11:09

Lab Sample Id: 672499-011

Date Collected: 09.04.2020 10:30

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 09.16.2020 08:00

Basis: Wet Weight

Seq Number: 3137335

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	3780	24.8	mg/kg	09.16.2020 10:52		5

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 09.15.2020 14:00

Basis: Wet Weight

Seq Number: 3137270

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	09.15.2020 23:37	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	09.15.2020 23:37	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	09.15.2020 23:37	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	09.15.2020 23:37	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	90	%	70-130	09.15.2020 23:37	
o-Terphenyl	84-15-1	99	%	70-130	09.15.2020 23:37	



Certificate of Analytical Results 672499

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-54 E. Wall Composite**

Matrix: Soil

Date Received: 09.15.2020 11:09

Lab Sample Id: 672499-011

Date Collected: 09.04.2020 10:30

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: AMF

% Moisture:

Analyst: AMF

Date Prep: 09.15.2020 12:00

Basis: Wet Weight

Seq Number: 3137235

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	09.16.2020 04:20	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	09.16.2020 04:20	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	09.16.2020 04:20	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	09.16.2020 04:20	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	09.16.2020 04:20	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	09.16.2020 04:20	U	1
Total BTEX		<0.00199	0.00199	mg/kg	09.16.2020 04:20	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	100	%	70-130	09.16.2020 04:20		
4-Bromofluorobenzene	460-00-4	108	%	70-130	09.16.2020 04:20		



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-54 Floor Composite**

Matrix: Soil

Date Received: 09.15.2020 11:09

Lab Sample Id: 672499-012

Date Collected: 09.04.2020 10:05

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 09.16.2020 08:00

Basis: Wet Weight

Seq Number: 3137335

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	7440	50.2	mg/kg	09.16.2020 11:08		10

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 09.15.2020 14:00

Basis: Wet Weight

Seq Number: 3137270

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	09.15.2020 23:57	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	09.15.2020 23:57	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	09.15.2020 23:57	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	09.15.2020 23:57	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	74	%	70-130	09.15.2020 23:57	
o-Terphenyl	84-15-1	83	%	70-130	09.15.2020 23:57	



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-54 Floor Composite**

Matrix: Soil

Date Received: 09.15.2020 11:09

Lab Sample Id: 672499-012

Date Collected: 09.04.2020 10:05

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: AMF

% Moisture:

Analyst: AMF

Date Prep: 09.15.2020 12:00

Basis: Wet Weight

Seq Number: 3137235

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	09.16.2020 05:44	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	09.16.2020 05:44	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	09.16.2020 05:44	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	09.16.2020 05:44	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	09.16.2020 05:44	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	09.16.2020 05:44	U	1
Total BTEX		<0.00199	0.00199	mg/kg	09.16.2020 05:44	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	101	%	70-130	09.16.2020 05:44		
4-Bromofluorobenzene	460-00-4	108	%	70-130	09.16.2020 05:44		



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-55 E. Wall Composite**

Matrix: Soil

Date Received: 09.15.2020 11:09

Lab Sample Id: 672499-013

Date Collected: 09.04.2020 10:35

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 09.16.2020 08:00

Basis: Wet Weight

Seq Number: 3137335

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	7520	49.9	mg/kg	09.16.2020 11:13		10

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 09.15.2020 14:00

Basis: Wet Weight

Seq Number: 3137270

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	09.16.2020 00:17	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	09.16.2020 00:17	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	09.16.2020 00:17	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	09.16.2020 00:17	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	77	%	70-130	09.16.2020 00:17	
o-Terphenyl	84-15-1	87	%	70-130	09.16.2020 00:17	



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-55 E. Wall Composite**

Matrix: Soil

Date Received: 09.15.2020 11:09

Lab Sample Id: 672499-013

Date Collected: 09.04.2020 10:35

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: AMF

% Moisture:

Analyst: AMF

Date Prep: 09.15.2020 12:00

Basis: Wet Weight

Seq Number: 3137235

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	09.16.2020 06:05	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	09.16.2020 06:05	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	09.16.2020 06:05	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	09.16.2020 06:05	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	09.16.2020 06:05	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	09.16.2020 06:05	U	1
Total BTEX		<0.00199	0.00199	mg/kg	09.16.2020 06:05	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	105	%	70-130	09.16.2020 06:05	
1,4-Difluorobenzene	540-36-3	101	%	70-130	09.16.2020 06:05	



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-55 Floor Composite**

Matrix: Soil

Date Received: 09.15.2020 11:09

Lab Sample Id: 672499-014

Date Collected: 09.04.2020 10:10

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 09.16.2020 08:00

Basis: Wet Weight

Seq Number: 3137335

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	7040	50.5	mg/kg	09.16.2020 11:29		10

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 09.15.2020 14:00

Basis: Wet Weight

Seq Number: 3137270

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	09.16.2020 00:36	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	09.16.2020 00:36	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	09.16.2020 00:36	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	09.16.2020 00:36	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	80	%	70-130	09.16.2020 00:36	
o-Terphenyl	84-15-1	89	%	70-130	09.16.2020 00:36	



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-55 Floor Composite**

Matrix: Soil

Date Received: 09.15.2020 11:09

Lab Sample Id: 672499-014

Date Collected: 09.04.2020 10:10

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: AMF

% Moisture:

Analyst: AMF

Date Prep: 09.15.2020 12:00

Basis: Wet Weight

Seq Number: 3137235

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	09.16.2020 06:25	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	09.16.2020 06:25	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	09.16.2020 06:25	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	09.16.2020 06:25	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	09.16.2020 06:25	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	09.16.2020 06:25	U	1
Total BTEX		<0.00200	0.00200	mg/kg	09.16.2020 06:25	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	100	%	70-130	09.16.2020 06:25	
4-Bromofluorobenzene	460-00-4	109	%	70-130	09.16.2020 06:25	

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

Vortec 22 #1 Battery

Analytical Method: Chloride by EPA 300

Seq Number: 3137335

MB Sample Id: 7711401-1-BLK

Matrix: Solid

LCS Sample Id: 7711401-1-BKS

Prep Method: E300P

Date Prep: 09.16.2020

LCSD Sample Id: 7711401-1-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	262	105	263	105	90-110	0	20	mg/kg	09.16.2020 09:28	

Analytical Method: Chloride by EPA 300

Seq Number: 3137335

Parent Sample Id: 672499-001

Matrix: Soil

MS Sample Id: 672499-001 S

Prep Method: E300P

Date Prep: 09.16.2020

MSD Sample Id: 672499-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	313	253	560	98	565	100	90-110	1	20	mg/kg	09.16.2020 09:44	

Analytical Method: Chloride by EPA 300

Seq Number: 3137335

Parent Sample Id: 672499-011

Matrix: Soil

MS Sample Id: 672499-011 S

Prep Method: E300P

Date Prep: 09.16.2020

MSD Sample Id: 672499-011 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	3780	1240	5040	102	5140	110	90-110	2	20	mg/kg	09.16.2020 10:57	

Analytical Method: TPH By SW8015 Mod

Seq Number: 3137270

MB Sample Id: 7711391-1-BLK

Matrix: Solid

LCS Sample Id: 7711391-1-BKS

Prep Method: SW8015P

Date Prep: 09.15.2020

LCSD Sample Id: 7711391-1-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	1020	102	1070	107	70-130	5	20	mg/kg	09.15.2020 19:04	
Diesel Range Organics (DRO)	<50.0	1000	1120	112	1150	115	70-130	3	20	mg/kg	09.15.2020 19:04	

Surrogate

	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	79		107		110		70-130	%	09.15.2020 19:04
o-Terphenyl	91		112		117		70-130	%	09.15.2020 19:04

Analytical Method: TPH By SW8015 Mod

Seq Number: 3137270

Matrix: Solid

MB Sample Id: 7711391-1-BLK

Prep Method: SW8015P

Date Prep: 09.15.2020

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	09.15.2020 18:45	

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

Vortec 22 #1 Battery

Analytical Method: TPH By SW8015 Mod

Seq Number: 3137270

Parent Sample Id: 672499-001

Matrix: Soil

MS Sample Id: 672499-001 S

Prep Method: SW8015P

Date Prep: 09.15.2020

MSD Sample Id: 672499-001 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)	<50.0	1000	836	84	888	89	70-130	6	20	mg/kg	09.15.2020 20:03	
Diesel Range Organics (DRO)	<50.0	1000	846	85	903	90	70-130	7	20	mg/kg	09.15.2020 20:03	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	81		85		70-130	%	09.15.2020 20:03
o-Terphenyl	82		87		70-130	%	09.15.2020 20:03

Analytical Method: BTEX by EPA 8021B

Seq Number: 3137235

MB Sample Id: 7711415-1-BLK

Matrix: Solid

LCS Sample Id: 7711415-1-BKS

Prep Method: SW5035A

Date Prep: 09.15.2020

LCSD Sample Id: 7711415-1-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	0.0999	100	0.0934	93	70-130	7	35	mg/kg	09.15.2020 22:53	
Toluene	<0.00200	0.100	0.0964	96	0.0906	91	70-130	6	35	mg/kg	09.15.2020 22:53	
Ethylbenzene	<0.00200	0.100	0.0961	96	0.0904	90	70-130	6	35	mg/kg	09.15.2020 22:53	
m,p-Xylenes	<0.00400	0.200	0.189	95	0.178	89	70-130	6	35	mg/kg	09.15.2020 22:53	
o-Xylene	<0.00200	0.100	0.0943	94	0.0892	89	70-130	6	35	mg/kg	09.15.2020 22:53	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	99		96		97		70-130	%	09.15.2020 22:53
4-Bromofluorobenzene	100		97		97		70-130	%	09.15.2020 22:53

Analytical Method: BTEX by EPA 8021B

Seq Number: 3137238

MB Sample Id: 7711416-1-BLK

Matrix: Solid

LCS Sample Id: 7711416-1-BKS

Prep Method: SW5035A

Date Prep: 09.15.2020

LCSD Sample Id: 7711416-1-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	0.0994	99	0.104	104	70-130	5	35	mg/kg	09.15.2020 10:30	
Toluene	<0.00200	0.100	0.109	109	0.110	110	70-130	1	35	mg/kg	09.15.2020 10:30	
Ethylbenzene	<0.00200	0.100	0.122	122	0.117	117	70-130	4	35	mg/kg	09.15.2020 10:30	
m,p-Xylenes	<0.00400	0.200	0.244	122	0.231	116	70-130	5	35	mg/kg	09.15.2020 10:30	
o-Xylene	<0.00200	0.100	0.116	116	0.112	112	70-130	4	35	mg/kg	09.15.2020 10:30	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	94		97		98		70-130	%	09.15.2020 10:30
4-Bromofluorobenzene	72		120		113		70-130	%	09.15.2020 10:30

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

Vortec 22 #1 Battery

Analytical Method: BTEX by EPA 8021B

Seq Number: 3137238

Parent Sample Id: 672494-008

Matrix: Soil

MS Sample Id: 672494-008 S

Prep Method: SW5035A

Date Prep: 09.15.2020

MSD Sample Id: 672494-008 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00198	0.0992	0.0987	99	0.0945	95	70-130	4	35	mg/kg	09.15.2020 11:11	
Toluene	<0.00198	0.0992	0.107	108	0.105	105	70-130	2	35	mg/kg	09.15.2020 11:11	
Ethylbenzene	<0.00198	0.0992	0.115	116	0.111	111	70-130	4	35	mg/kg	09.15.2020 11:11	
m,p-Xylenes	<0.00397	0.198	0.229	116	0.220	110	70-130	4	35	mg/kg	09.15.2020 11:11	
o-Xylene	<0.00198	0.0992	0.111	112	0.106	106	70-130	5	35	mg/kg	09.15.2020 11:11	

Surrogate

	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	97		95		70-130	%	09.15.2020 11:11
4-Bromofluorobenzene	118		117		70-130	%	09.15.2020 11:11

Analytical Method: BTEX by EPA 8021B

Seq Number: 3137235

Parent Sample Id: 672499-002

Matrix: Soil

MS Sample Id: 672499-002 S

Prep Method: SW5035A

Date Prep: 09.15.2020

MSD Sample Id: 672499-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00198	0.0992	0.0826	83	0.0846	85	70-130	2	35	mg/kg	09.15.2020 23:34	
Toluene	<0.00198	0.0992	0.0772	78	0.0847	85	70-130	9	35	mg/kg	09.15.2020 23:34	
Ethylbenzene	<0.00198	0.0992	0.0732	74	0.0734	73	70-130	0	35	mg/kg	09.15.2020 23:34	
m,p-Xylenes	<0.00397	0.198	0.142	72	0.143	71	70-130	1	35	mg/kg	09.15.2020 23:34	
o-Xylene	<0.00198	0.0992	0.0706	71	0.0715	72	70-130	1	35	mg/kg	09.15.2020 23:34	

Surrogate

	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	97		99		70-130	%	09.15.2020 23:34
4-Bromofluorobenzene	99		103		70-130	%	09.15.2020 23:34

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:

U07 2490

www.xenco.com

Page 1 of 2

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other: _____

Project Manager:	Ben J. Arguijo		Bill to: (if different)	Wade Dittrich
Company Name:	Trinity Oilfield Services & Rentals, LLC		Company Name:	OXY USA, Inc.
Address:	8426 N. Dal Paso		Address:	
City, State ZIP:	Hobbs, NM 88242		City, State ZIP:	
Phone:	(575)390-7208	Email:	Wade.Dittrich@oxy.com & ben@trinityoilfieldservices.com	

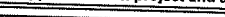
Project Name:		Vortec 22 #1 Battery		Turn Around		ANALYSIS REQUEST																Preservative Codes											
Project Number:				Routine: X																		HNO3: HN											
Project Location		Eddy County, New Mexico		Rush:																		H2S04: H2											
Sampler's Name:		Granville Ramsey		Due Date:																		HCL: HL											
PO #:																						None: NO											
SAMPLE RECEIPT		0.9/05		Temp Blank: Yes No		Wet Ice: Yes No																		NaOH: Na									
Temperature (°C):		-1.4				Thermometer ID																		MeOH: Me									
Received Intact:		Yes No				Correction Factor:																		Zn Acetate+ NaOH: Zn									
Cooler Custody Seals:		Yes No		N/A		Total Containers:																		TAT starts the day received by the lab, if received by 4:30pm									
Sample Custody Seals:		Yes No		N/A																				Sample Comments									
Sample Identification		Matrix		Date Sampled		Time Sampled		Depth		Number of Containers/Preservative Code		BTEX		TPH 8015M		Chloride																	
GA-33 Floor Composite		Soil		9/4/20		0930				1		X		X		X																	
GA-34 Floor Composite		Soil		9/4/20		0935				1		X		X		X																	
GA-36 Floor Composite		Soil		9/4/20		0940				1		X		X		X																	
GA-50 E. Wall Composite		Soil		9/4/20		1015				1		X		X		X																	
GA-50 Floor Composite		Soil		9/4/20		0945				1		X		X		X																	
GA-51 E. Wall Composite		Soil		9/4/20		1020				1		X		X		X																	
GA-51 Floor Composite		Soil		9/4/20		0950				1		X		X		X																	
GA-52 E. Wall Composite		Soil		9/4/20		1025				1		X		X		X																	
GA-52 Floor Composite		Soil		9/4/20		0955				1		X		X		X																	
GA-53 Floor Composite		Soil		9/4/20		1000				1		X		X		X																	
Total 200.7 / 6010		200.8 / 6020:		200.9 / 6030:		200.10 / 6040:		200.11 / 6050:		200.12 / 6060:		200.13 / 6070:		200.14 / 6080:		200.15 / 6090:																	

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
TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni K Se Ag SiO2 Na Sr Ti Sn U V Zn

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		1		9-14-20	11:06
6		2			
5		4			
		6			

Relinquished by: (Signature)		Received by: (Signature)		Date/Time	
1		1		9/15/20	
6		2			
5		4			
		6			

Revised Date 10/4/19 Rev. 2019

ORIGIN ID: HOBBA (078) 392-7000
* MAIL SERVICES ETC
4008 N GRIMES
HOBBS, NM 88240
UNITED STATES US

SHIP DATE: 14SEP20
ACTWGT: 33.00 LB MAN
CAD: 0103352/CAFE3313
DIMS: 27x15x15 IN
BILL RECIPIENT

TO XENCO HOLD FOR PICKUP
FEDEX EXPRESS SHIP CENTER
FEDEX EXPRESS SHIP CENTER
3600 COUNTY ROAD 1276 SOUTH
MIDLAND TX 79711
(432) 704-5440

REF DEPT

INV: PO:



FedEx Express
 J191219082003

TRK# 9061 5134 9234
0201

TUE - 15 SEP HOLD
PRIORITY OVERNIGHT
HLD
MAFA
TX-US LBE

41 MAFA



Part # 156148-434 RIT 01/21 **

Eurofins Xenco, LLC

Prelogin/Nonconformance Report- Sample Log-In

Client: Trinity Oilfield Services & Rentals, LLC**Date/ Time Received:** 09.15.2020 11.09.00 AM**Work Order #:** 672499**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)?	.5
#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

TPH/BTEX will break hold on 9/18/20

*** 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: 09.15.2020

Checklist reviewed by:

Holly Taylor

Date: 09.15.2020

Certificate of Analysis Summary 673088

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: Vortec 22 #1 Battery

Project Id:

Date Received in Lab: Mon 09.21.2020 00:00

Contact: Ben Arguijo

Report Date: 09.28.2020 15:17

Project Location: Eddy County, New Mexico

Project Manager: Holly Taylor

Analysis Requested	Lab Id:	673088-001	673088-002	673088-003	673088-004	673088-005	673088-006
	Field Id:	GA-39 Floor Composite	GA-40 Floor Composite	GA-41 Floor Composite	GA-42 Floor Composite	GA-43 Floor Composite	GA-56 Floor Composite
	Depth:						
	Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Sampled:	09.11.2020 10:00	09.11.2020 10:05	09.11.2020 10:10	09.11.2020 10:15	09.11.2020 10:20	09.11.2020 10:25
BTEX by EPA 8021B	Extracted:	09.21.2020 11:00	09.21.2020 11:00	09.21.2020 15:00	09.21.2020 15:00	09.21.2020 15:00	09.21.2020 15:00
	Analyzed:	09.21.2020 20:41	09.21.2020 21:01	09.22.2020 00:25	09.22.2020 00:46	09.22.2020 01:06	09.22.2020 01:27
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Benzene		<0.00200 0.00200	<0.00201 0.00201	<0.00198 0.00198	<0.00198 0.00198	<0.00199 0.00199	<0.00200 0.00200
Toluene		<0.00200 0.00200	<0.00201 0.00201	<0.00198 0.00198	<0.00198 0.00198	<0.00199 0.00199	<0.00200 0.00200
Ethylbenzene		<0.00200 0.00200	<0.00201 0.00201	<0.00198 0.00198	<0.00198 0.00198	<0.00199 0.00199	<0.00200 0.00200
m,p-Xylenes		<0.00399 0.00399	<0.00402 0.00402	<0.00397 0.00397	<0.00397 0.00397	<0.00398 0.00398	<0.00399 0.00399
o-Xylene		<0.00200 0.00200	<0.00201 0.00201	<0.00198 0.00198	<0.00198 0.00198	<0.00199 0.00199	<0.00200 0.00200
Total Xylenes		<0.00200 0.00200	<0.00201 0.00201	<0.00198 0.00198	<0.00198 0.00198	<0.00199 0.00199	<0.00200 0.00200
Total BTEX		<0.00200 0.00200	<0.00201 0.00201	<0.00198 0.00198	<0.00198 0.00198	<0.00199 0.00199	<0.00200 0.00200
Chloride by EPA 300	Extracted:	09.21.2020 16:40	09.21.2020 16:40	09.21.2020 17:00	09.21.2020 17:00	09.21.2020 17:00	09.21.2020 17:00
	Analyzed:	09.22.2020 05:41	09.22.2020 05:46	09.21.2020 21:03	09.21.2020 21:08	09.21.2020 21:13	09.21.2020 21:19
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		4370 25.0	7110 49.9	16800 100	15300 99.2	184 4.98	98.7 4.96
TPH By SW8015 Mod	Extracted:	09.21.2020 12:00	09.21.2020 12:00	09.21.2020 12:00	09.21.2020 12:00	09.21.2020 12:00	09.21.2020 12:00
	Analyzed:	09.21.2020 18:38	09.21.2020 18:58	09.21.2020 19:17	09.21.2020 19:36	09.21.2020 19:56	09.21.2020 20:15
	Units/RL:	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	<49.9 49.9	<50.0 50.0	<49.9 49.9	<50.0 50.0	<50.0 50.0
Diesel Range Organics (DRO)		<50.0 50.0	<49.9 49.9	<50.0 50.0	<49.9 49.9	<50.0 50.0	<50.0 50.0
Motor Oil Range Hydrocarbons (MRO)		<50.0 50.0	<49.9 49.9	<50.0 50.0	<49.9 49.9	<50.0 50.0	<50.0 50.0
Total TPH		<50.0 50.0	<49.9 49.9	<50.0 50.0	<49.9 49.9	<50.0 50.0	<50.0 50.0

BRL - Below Reporting Limit

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



Certificate of Analysis Summary 673088

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: Vortec 22 #1 Battery

Project Id:

Date Received in Lab: Mon 09.21.2020 00:00

Contact: Ben Arguijo

Report Date: 09.28.2020 15:17

Project Location: Eddy County, New Mexico

Project Manager: Holly Taylor

Analysis Requested	Lab Id: 673088-007 Field Id: GA-57 Floor Composite Depth: Matrix: SOIL Sampled: 09.11.2020 10:30					
BTEX by EPA 8021B	Extracted: 09.21.2020 15:00 Analyzed: 09.22.2020 01:47 Units/RL: mg/kg RL					
Benzene	<0.00199 0.00199					
Toluene	0.00254 0.00199					
Ethylbenzene	<0.00199 0.00199					
m,p-Xylenes	<0.00398 0.00398					
o-Xylene	<0.00199 0.00199					
Total Xylenes	<0.00199 0.00199					
Total BTEX	0.00254 0.00199					
Chloride by EPA 300	Extracted: 09.21.2020 17:00 Analyzed: 09.21.2020 21:34 Units/RL: mg/kg RL					
Chloride	179 5.02					
TPH By SW8015 Mod	Extracted: 09.21.2020 12:00 Analyzed: 09.21.2020 20:35 Units/RL: mg/kg RL					
Gasoline Range Hydrocarbons (GRO)	<49.9 49.9					
Diesel Range Organics (DRO)	<49.9 49.9					
Motor Oil Range Hydrocarbons (MRO)	<49.9 49.9					
Total TPH	<49.9 49.9					

BRL - Below Reporting Limit

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





Environment Testing
Xenco

Analytical Report 673088

for

Trinity Oilfield Services & Rentals, LLC

Project Manager: Ben Arguijo

Vortec 22 #1 Battery

09.28.2020

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)



09.28.2020

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

Reference: Eurofins Xenco, LLC Report No(s): **673088**
Vortec 22 #1 Battery
Project Address: Eddy County, New Mexico

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) 673088. 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. 673088 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,

A handwritten signature in black ink that reads "Jessica Kramer".

Jessica Kramer
Project Manager

A Small Business and Minority Company

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

**Sample Cross Reference 673088****Trinity Oilfield Services & Rentals, LLC, Hobbs, NM**

Vortec 22 #1 Battery

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
GA-39 Floor Composite	S	09.11.2020 10:00		673088-001
GA-40 Floor Composite	S	09.11.2020 10:05		673088-002
GA-41 Floor Composite	S	09.11.2020 10:10		673088-003
GA-42 Floor Composite	S	09.11.2020 10:15		673088-004
GA-43 Floor Composite	S	09.11.2020 10:20		673088-005
GA-56 Floor Composite	S	09.11.2020 10:25		673088-006
GA-57 Floor Composite	S	09.11.2020 10:30		673088-007



CASE NARRATIVE

Client Name: Trinity Oilfield Services & Rentals, LLC

Project Name: Vortec 22 #1 Battery

Project ID:

Work Order Number(s): 673088

Report Date: 09.28.2020

Date Received: 09.21.2020

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None



Certificate of Analytical Results 673088

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-39 Floor Composite**

Matrix: Soil

Date Received: 09.21.2020 00:00

Lab Sample Id: 673088-001

Date Collected: 09.11.2020 10:00

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 09.21.2020 16:40

Basis: Wet Weight

Seq Number: 3137737

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	4370	25.0	mg/kg	09.22.2020 05:41		5

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 09.21.2020 12:00

Basis: Wet Weight

Seq Number: 3137762

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	09.21.2020 18:38	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	09.21.2020 18:38	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	09.21.2020 18:38	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	09.21.2020 18:38	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	73	%	70-130	09.21.2020 18:38	
o-Terphenyl	84-15-1	81	%	70-130	09.21.2020 18:38	



Certificate of Analytical Results 673088

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-39 Floor Composite**

Matrix: Soil

Date Received: 09.21.2020 00:00

Lab Sample Id: 673088-001

Date Collected: 09.11.2020 10:00

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: AMF

% Moisture:

Analyst: AMF

Date Prep: 09.21.2020 11:00

Basis: Wet Weight

Seq Number: 3137732

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	09.21.2020 20:41	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	09.21.2020 20:41	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	09.21.2020 20:41	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	09.21.2020 20:41	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	09.21.2020 20:41	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	09.21.2020 20:41	U	1
Total BTEX		<0.00200	0.00200	mg/kg	09.21.2020 20:41	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	96	%	70-130	09.21.2020 20:41		
4-Bromofluorobenzene	460-00-4	108	%	70-130	09.21.2020 20:41		



Certificate of Analytical Results 673088

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-40 Floor Composite**

Matrix: Soil

Date Received: 09.21.2020 00:00

Lab Sample Id: 673088-002

Date Collected: 09.11.2020 10:05

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 09.21.2020 16:40

Basis: Wet Weight

Seq Number: 3137737

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	7110	49.9	mg/kg	09.22.2020 05:46		10

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 09.21.2020 12:00

Basis: Wet Weight

Seq Number: 3137762

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	09.21.2020 18:58	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	09.21.2020 18:58	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	09.21.2020 18:58	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	09.21.2020 18:58	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	74	%	70-130	09.21.2020 18:58	
o-Terphenyl	84-15-1	85	%	70-130	09.21.2020 18:58	



Certificate of Analytical Results 673088

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-40 Floor Composite**

Matrix: Soil

Date Received: 09.21.2020 00:00

Lab Sample Id: 673088-002

Date Collected: 09.11.2020 10:05

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: AMF

% Moisture:

Analyst: AMF

Date Prep: 09.21.2020 11:00

Basis: Wet Weight

Seq Number: 3137732

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	09.21.2020 21:01	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	09.21.2020 21:01	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	09.21.2020 21:01	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	09.21.2020 21:01	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	09.21.2020 21:01	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	09.21.2020 21:01	U	1
Total BTEX		<0.00201	0.00201	mg/kg	09.21.2020 21:01	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	105	%	70-130	09.21.2020 21:01		
1,4-Difluorobenzene	540-36-3	98	%	70-130	09.21.2020 21:01		



Certificate of Analytical Results 673088

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-41 Floor Composite**

Matrix: Soil

Date Received: 09.21.2020 00:00

Lab Sample Id: 673088-003

Date Collected: 09.11.2020 10:10

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 09.21.2020 17:00

Basis: Wet Weight

Seq Number: 3137739

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	16800	100	mg/kg	09.21.2020 21:03		20

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 09.21.2020 12:00

Basis: Wet Weight

Seq Number: 3137762

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	09.21.2020 19:17	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	09.21.2020 19:17	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	09.21.2020 19:17	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	09.21.2020 19:17	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	75	%	70-130	09.21.2020 19:17	
o-Terphenyl	84-15-1	85	%	70-130	09.21.2020 19:17	



Certificate of Analytical Results 673088

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-41 Floor Composite**

Matrix: Soil

Date Received: 09.21.2020 00:00

Lab Sample Id: 673088-003

Date Collected: 09.11.2020 10:10

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: AMF

% Moisture:

Analyst: AMF

Date Prep: 09.21.2020 15:00

Basis: Wet Weight

Seq Number: 3137734

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	09.22.2020 00:25	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	09.22.2020 00:25	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	09.22.2020 00:25	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	09.22.2020 00:25	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	09.22.2020 00:25	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	09.22.2020 00:25	U	1
Total BTEX		<0.00198	0.00198	mg/kg	09.22.2020 00:25	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	106	%	70-130	09.22.2020 00:25		
1,4-Difluorobenzene	540-36-3	100	%	70-130	09.22.2020 00:25		



Certificate of Analytical Results 673088

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-42 Floor Composite**

Matrix: Soil

Date Received: 09.21.2020 00:00

Lab Sample Id: 673088-004

Date Collected: 09.11.2020 10:15

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 09.21.2020 17:00

Basis: Wet Weight

Seq Number: 3137739

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	15300	99.2	mg/kg	09.21.2020 21:08		20

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 09.21.2020 12:00

Basis: Wet Weight

Seq Number: 3137762

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	09.21.2020 19:36	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	09.21.2020 19:36	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	09.21.2020 19:36	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	09.21.2020 19:36	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	74	%	70-130	09.21.2020 19:36	
o-Terphenyl	84-15-1	83	%	70-130	09.21.2020 19:36	



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-42 Floor Composite**

Matrix: Soil

Date Received: 09.21.2020 00:00

Lab Sample Id: 673088-004

Date Collected: 09.11.2020 10:15

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: AMF

% Moisture:

Analyst: AMF

Date Prep: 09.21.2020 15:00

Basis: Wet Weight

Seq Number: 3137734

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	09.22.2020 00:46	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	09.22.2020 00:46	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	09.22.2020 00:46	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	09.22.2020 00:46	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	09.22.2020 00:46	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	09.22.2020 00:46	U	1
Total BTEX		<0.00198	0.00198	mg/kg	09.22.2020 00:46	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	106	%	70-130	09.22.2020 00:46		
1,4-Difluorobenzene	540-36-3	99	%	70-130	09.22.2020 00:46		



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-43 Floor Composite**

Matrix: Soil

Date Received: 09.21.2020 00:00

Lab Sample Id: 673088-005

Date Collected: 09.11.2020 10:20

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 09.21.2020 17:00

Basis: Wet Weight

Seq Number: 3137739

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	184	4.98	mg/kg	09.21.2020 21:13		1

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 09.21.2020 12:00

Basis: Wet Weight

Seq Number: 3137762

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	09.21.2020 19:56	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	09.21.2020 19:56	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	09.21.2020 19:56	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	09.21.2020 19:56	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	72	%	70-130	09.21.2020 19:56	
o-Terphenyl	84-15-1	83	%	70-130	09.21.2020 19:56	



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-43 Floor Composite**

Matrix: Soil

Date Received: 09.21.2020 00:00

Lab Sample Id: 673088-005

Date Collected: 09.11.2020 10:20

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: AMF

% Moisture:

Analyst: AMF

Date Prep: 09.21.2020 15:00

Basis: Wet Weight

Seq Number: 3137734

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	09.22.2020 01:06	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	09.22.2020 01:06	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	09.22.2020 01:06	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	09.22.2020 01:06	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	09.22.2020 01:06	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	09.22.2020 01:06	U	1
Total BTEX		<0.00199	0.00199	mg/kg	09.22.2020 01:06	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	99	%	70-130	09.22.2020 01:06		
4-Bromofluorobenzene	460-00-4	105	%	70-130	09.22.2020 01:06		



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-56 Floor Composite**

Matrix: Soil

Date Received: 09.21.2020 00:00

Lab Sample Id: 673088-006

Date Collected: 09.11.2020 10:25

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 09.21.2020 17:00

Basis: Wet Weight

Seq Number: 3137739

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	98.7	4.96	mg/kg	09.21.2020 21:19		1

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 09.21.2020 12:00

Basis: Wet Weight

Seq Number: 3137762

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	09.21.2020 20:15	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	09.21.2020 20:15	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	09.21.2020 20:15	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	09.21.2020 20:15	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	73	%	70-130	09.21.2020 20:15	
o-Terphenyl	84-15-1	83	%	70-130	09.21.2020 20:15	



Certificate of Analytical Results 673088

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-56 Floor Composite**

Matrix: Soil

Date Received: 09.21.2020 00:00

Lab Sample Id: 673088-006

Date Collected: 09.11.2020 10:25

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: AMF

% Moisture:

Analyst: AMF

Date Prep: 09.21.2020 15:00

Basis: Wet Weight

Seq Number: 3137734

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	09.22.2020 01:27	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	09.22.2020 01:27	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	09.22.2020 01:27	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	09.22.2020 01:27	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	09.22.2020 01:27	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	09.22.2020 01:27	U	1
Total BTEX		<0.00200	0.00200	mg/kg	09.22.2020 01:27	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	105	%	70-130	09.22.2020 01:27		
1,4-Difluorobenzene	540-36-3	99	%	70-130	09.22.2020 01:27		



Certificate of Analytical Results 673088

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-57 Floor Composite**

Matrix: Soil

Date Received: 09.21.2020 00:00

Lab Sample Id: 673088-007

Date Collected: 09.11.2020 10:30

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 09.21.2020 17:00

Basis: Wet Weight

Seq Number: 3137739

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	179	5.02	mg/kg	09.21.2020 21:34		1

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 09.21.2020 12:00

Basis: Wet Weight

Seq Number: 3137762

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	09.21.2020 20:35	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	09.21.2020 20:35	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	09.21.2020 20:35	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	09.21.2020 20:35	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	75	%	70-130	09.21.2020 20:35	
o-Terphenyl	84-15-1	85	%	70-130	09.21.2020 20:35	



Certificate of Analytical Results 673088

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-57 Floor Composite**

Matrix: Soil

Date Received: 09.21.2020 00:00

Lab Sample Id: 673088-007

Date Collected: 09.11.2020 10:30

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: AMF

% Moisture:

Analyst: AMF

Date Prep: 09.21.2020 15:00

Basis: Wet Weight

Seq Number: 3137734

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	09.22.2020 01:47	U	1
Toluene	108-88-3	0.00254	0.00199	mg/kg	09.22.2020 01:47		1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	09.22.2020 01:47	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	09.22.2020 01:47	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	09.22.2020 01:47	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	09.22.2020 01:47	U	1
Total BTEX		0.00254	0.00199	mg/kg	09.22.2020 01:47		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	99	%	70-130	09.22.2020 01:47		
4-Bromofluorobenzene	460-00-4	107	%	70-130	09.22.2020 01:47		



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

Vortec 22 #1 Battery

Analytical Method: Chloride by EPA 300

Seq Number: 3137737

Matrix: Solid

Prep Method: E300P

Date Prep: 09.21.2020

MB Sample Id: 7711767-1-BLK

LCS Sample Id: 7711767-1-BKS

LCSD Sample Id: 7711767-1-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	261	104	257	103	90-110	2	20	mg/kg	09.22.2020 03:14	

Analytical Method: Chloride by EPA 300

Seq Number: 3137739

Matrix: Solid

Prep Method: E300P

Date Prep: 09.21.2020

MB Sample Id: 7711774-1-BLK

LCS Sample Id: 7711774-1-BKS

LCSD Sample Id: 7711774-1-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	260	104	261	104	90-110	0	20	mg/kg	09.21.2020 20:37	

Analytical Method: Chloride by EPA 300

Seq Number: 3137737

Matrix: Soil

Prep Method: E300P

Date Prep: 09.21.2020

Parent Sample Id: 673087-008

MS Sample Id: 673087-008 S

MSD Sample Id: 673087-008 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	604	248	836	94	838	94	90-110	0	20	mg/kg	09.22.2020 03:29	

Analytical Method: Chloride by EPA 300

Seq Number: 3137737

Matrix: Soil

Prep Method: E300P

Date Prep: 09.21.2020

Parent Sample Id: 673087-018

MS Sample Id: 673087-018 S

MSD Sample Id: 673087-018 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	13.4	248	276	106	275	105	90-110	0	20	mg/kg	09.22.2020 04:43	

Analytical Method: Chloride by EPA 300

Seq Number: 3137739

Matrix: Soil

Prep Method: E300P

Date Prep: 09.21.2020

Parent Sample Id: 673086-002

MS Sample Id: 673086-002 S

MSD Sample Id: 673086-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	65.6	250	343	111	342	111	90-110	0	20	mg/kg	09.21.2020 20:52	X

Analytical Method: Chloride by EPA 300

Seq Number: 3137739

Matrix: Soil

Prep Method: E300P

Date Prep: 09.21.2020

Parent Sample Id: 673086-006

MS Sample Id: 673086-006 S

MSD Sample Id: 673086-006 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	9.06	252	283	109	283	109	90-110	0	20	mg/kg	09.21.2020 22:06	

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



Trinity Oilfield Services & Rentals, LLC

Vortec 22 #1 Battery

Analytical Method: TPH By SW8015 Mod

Seq Number: 3137762

Matrix: Solid

Prep Method: SW8015P

Date Prep: 09.21.2020

MB Sample Id: 7711781-1-BLK

LCS Sample Id: 7711781-1-BKS

LCSD Sample Id: 7711781-1-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	841	84	860	86	70-130	2	20	mg/kg	09.21.2020 12:45	
Diesel Range Organics (DRO)	<50.0	1000	887	89	910	91	70-130	3	20	mg/kg	09.21.2020 12:45	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	71		80		86		70-130	%	09.21.2020 12:45
o-Terphenyl	82		87		90		70-130	%	09.21.2020 12:45

Analytical Method: TPH By SW8015 Mod

Seq Number: 3137762

Matrix: Solid

Prep Method: SW8015P

Date Prep: 09.21.2020

MB Sample Id: 7711781-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	09.21.2020 12:26	

Analytical Method: TPH By SW8015 Mod

Seq Number: 3137762

Matrix: Soil

Prep Method: SW8015P

Date Prep: 09.21.2020

Parent Sample Id: 673099-001

MS Sample Id: 673099-001 S

MSD Sample Id: 673099-001 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	851	85	846	85	70-130	1	20	mg/kg	09.21.2020 13:43	
Diesel Range Organics (DRO)	<49.9	997	836	84	828	83	70-130	1	20	mg/kg	09.21.2020 13:43	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	88		91		70-130	%	09.21.2020 13:43
o-Terphenyl	90		90		70-130	%	09.21.2020 13:43

Analytical Method: BTEX by EPA 8021B

Seq Number: 3137732

Matrix: Solid

Prep Method: SW5035A

Date Prep: 09.21.2020

MB Sample Id: 7711800-1-BLK

LCS Sample Id: 7711800-1-BKS

LCSD Sample Id: 7711800-1-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	0.0762	76	0.0780	78	70-130	2	35	mg/kg	09.21.2020 10:07	
Toluene	<0.00200	0.100	0.0882	88	0.0909	91	70-130	3	35	mg/kg	09.21.2020 10:07	
Ethylbenzene	<0.00200	0.100	0.0822	82	0.0849	85	70-130	3	35	mg/kg	09.21.2020 10:07	
m,p-Xylenes	<0.00400	0.200	0.162	81	0.169	85	70-130	4	35	mg/kg	09.21.2020 10:07	
o-Xylene	<0.00200	0.100	0.0822	82	0.0856	86	70-130	4	35	mg/kg	09.21.2020 10:07	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	96		97		95		70-130	%	09.21.2020 10:07
4-Bromofluorobenzene	100		98		99		70-130	%	09.21.2020 10:07

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

Vortec 22 #1 Battery

Analytical Method: BTEX by EPA 8021B

Seq Number: 3137734

Matrix: Solid

Prep Method: SW5035A

Date Prep: 09.21.2020

MB Sample Id: 7711801-1-BLK

LCS Sample Id: 7711801-1-BKS

LCSD Sample Id: 7711801-1-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	0.0924	92	0.101	101	70-130	9	35	mg/kg	09.21.2020 22:03	
Toluene	<0.00200	0.100	0.0899	90	0.104	104	70-130	15	35	mg/kg	09.21.2020 22:03	
Ethylbenzene	<0.00200	0.100	0.0900	90	0.0972	97	70-130	8	35	mg/kg	09.21.2020 22:03	
m,p-Xylenes	<0.00400	0.200	0.177	89	0.190	95	70-130	7	35	mg/kg	09.21.2020 22:03	
o-Xylene	<0.00200	0.100	0.0891	89	0.0966	97	70-130	8	35	mg/kg	09.21.2020 22:03	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	95		96		99		70-130	%	09.21.2020 22:03
4-Bromofluorobenzene	100		96		100		70-130	%	09.21.2020 22:03

Analytical Method: BTEX by EPA 8021B

Seq Number: 3137732

Matrix: Soil

Prep Method: SW5035A

Date Prep: 09.21.2020

Parent Sample Id: 673099-009

MS Sample Id: 673099-009 S

MSD Sample Id: 673099-009 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.0998	0.0428	43	0.0786	79	70-130	59	35	mg/kg	09.21.2020 11:39	XF
Toluene	<0.00200	0.0998	0.0391	39	0.0812	82	70-130	70	35	mg/kg	09.21.2020 11:39	XF
Ethylbenzene	<0.00200	0.0998	0.0354	35	0.0678	68	70-130	63	35	mg/kg	09.21.2020 11:39	XF
m,p-Xylenes	<0.00399	0.200	0.0708	35	0.134	68	70-130	62	35	mg/kg	09.21.2020 11:39	XF
o-Xylene	<0.00200	0.0998	0.0350	35	0.0667	67	70-130	62	35	mg/kg	09.21.2020 11:39	XF

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	96		97		70-130	%	09.21.2020 11:39
4-Bromofluorobenzene	99		102		70-130	%	09.21.2020 11:39

Analytical Method: BTEX by EPA 8021B

Seq Number: 3137734

Matrix: Soil

Prep Method: SW5035A

Date Prep: 09.21.2020

Parent Sample Id: 673088-003

MS Sample Id: 673088-003 S

MSD Sample Id: 673088-003 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00199	0.0996	0.0819	82	0.0816	82	70-130	0	35	mg/kg	09.21.2020 22:44	
Toluene	<0.00199	0.0996	0.0781	78	0.0786	79	70-130	1	35	mg/kg	09.21.2020 22:44	
Ethylbenzene	<0.00199	0.0996	0.0739	74	0.0744	74	70-130	1	35	mg/kg	09.21.2020 22:44	
m,p-Xylenes	<0.00398	0.199	0.144	72	0.146	73	70-130	1	35	mg/kg	09.21.2020 22:44	
o-Xylene	<0.00199	0.0996	0.0712	71	0.0714	71	70-130	0	35	mg/kg	09.21.2020 22:44	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	98		97		70-130	%	09.21.2020 22:44
4-Bromofluorobenzene	101		100		70-130	%	09.21.2020 22:44

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: 673088

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Page 1 of 1

Project Manager:	Ben J. Arguijo	Bill to: (if different)	Wade Dittrich
Company Name:	Trinity Oilfield Services & Rentals, LLC	Company Name:	OXY USA, Inc.
Address:	8426 N. Dal Paso	Address:	
City, State ZIP:	Hobbs, NM 88242	City, State ZIP:	
Phone:	(575)390-7208	Email:	Wade.Dittrich@oxy.com & ben@trinityoilfieldservices.com

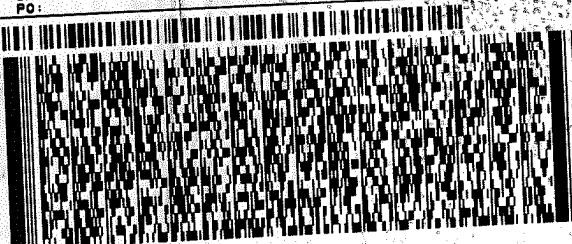
Work Order Comments	
Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐	
State of Project:	
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐	
Deliverables: EDD ☐ ADaPT ☐ Other:	

Project Name:		Vortec 22 #1 Battery		Turn Around		ANALYSIS REQUEST																Preservative Codes											
Project Number:				Routine: X																		HNO3: HN											
Project Location		Eddy County, New Mexico		Rush:																		H2SO4: H2											
Sampler's Name:		Granville Ramsey		Due Date:																		HCL: HL											
PO #:																						None: NO											
SAMPLE RECEIPT		Temp Blank: Yes ☐ No ☒		Wet Ice: Yes ☐ No ☒																		NaOH: Na											
Temperature (°C):		3.6/4.5		Thermometer ID																		MeOH: Me											
Received Intact:		Yes ☒ No ☐		Correction Factor:																		Zn Acetate+ NaOH: Zn											
Cooler Custody Seals:		Yes ☐ No ☒ N/A		Total Containers:																		TAT starts the day received by the lab, if received by 4:30pm											
Sample Custody Seals:		Yes ☐ No ☒ N/A																				Sample Comments											
Sample Identification		Matrix		Date Sampled		Time Sampled		Depth		Number of Containers/Preservative Code		BTX		TPH 8015M		Chloride																	
GA-39 Floor Composite		Soil		9/11/20		1000				1		X		X		X																	
GA-40 Floor Composite		Soil		9/11/20		1005				1		X		X		X																	
GA-41 Floor Composite		Soil		9/11/20		1010				1		X		X		X																	
GA-42 Floor Composite		Soil		9/11/20		1015				1		X		X		X																	
GA-43 Floor Composite		Soil		9/11/20		1020				1		X		X		X																	
GA-56 Floor Composite		Soil		9/11/20		1025				1		X		X		X																	
GA-57 Floor Composite		Soil		9/11/20		1030				1		X		X		X																	

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
Granville Ramsey	NR	9/17 12:05	NR	J. L. AMER	9/21 9:57
3			4		
5			6		

ORIGIN ID: H0BA (070) 392-7000	SHIP DATE: 18SEP20 ACTWGT: 23.00 LB MAN CAD: 0103952/CAFE3313 DIMS: 26x15x14 IN
* MAIL SERVICES ETC 4008 N GRIMES	BILL RECIPIENT
HOBBS, NM 88240 UNITED STATES US	
TO XENCO HOLD FOR PICKUP FEDEX OFFICE PRINT & SHIP CENTER FEDEX OFFICE PRINT & SHIP CENTER 200 W INTERSTATE 20 MIDLAND TX 79701 (432) 704-5440 INV: REF PO: DEPT	
	
FedEx Express 	
TRK# 9061 5134 9668 0201	SATURDAY HOLD PRIORITY OVERNIGHT HLD MAFKI TX-US LBB
41 MAFA	
	

Eurofins Xenco, LLC

Prelogin/Nonconformance Report- Sample Log-In

Client: Trinity Oilfield Services & Rentals, LLC

Date/ Time Received: 09.21.2020 12.00.00 AM

Work Order #: 673088

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
#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: 09.21.2020

Checklist reviewed by:



Jessica Kramer

Date: 09.23.2020

Certificate of Analysis Summary 673554

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: Vortec 2 #1 Battery

Project Id:

Date Received in Lab: Fri 09.25.2020 00:00

Contact: Ben Arguijo

Report Date: 09.29.2020 14:24

Project Location: Edd County, New Mexico

Project Manager: Holly Taylor

Analysis Requested	Lab Id:	673554-001	673554-002	673554-003	673554-004	673554-005	673554-006
	Field Id:	GA-56 W.Wall Composite	GA-58 Floor Composite	GA-59 Floor Composite	GA-60 W.Wall Composite	GA-60 Floor Composite	GA-62 Floor Composite
	Depth:						
	Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Sampled:	09.21.2020 13:30	09.21.2020 13:35	09.21.2020 13:40	09.22.2020 13:45	09.22.2020 13:50	09.22.2020 13:55
BTEX by EPA 8021B	Extracted:	09.27.2020 10:00	09.26.2020 14:05	09.27.2020 10:00	09.27.2020 10:00	09.27.2020 10:00	09.27.2020 10:00
	Analyzed:	09.27.2020 12:26	09.27.2020 01:30	09.27.2020 12:46	09.27.2020 13:06	09.27.2020 13:27	09.27.2020 13:47
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Benzene		<0.00198 0.00198	<0.00200 0.00200	<0.00201 0.00201	<0.0000201 0.0000201	<0.00200 0.00200	<0.00200 0.00200
Toluene		<0.00198 0.00198	<0.00200 0.00200	<0.00201 0.00201	<0.0000201 0.0000201	<0.00200 0.00200	<0.00200 0.00200
Ethylbenzene		<0.00198 0.00198	<0.00200 0.00200	<0.00201 0.00201	<0.0000201 0.0000201	<0.00200 0.00200	<0.00200 0.00200
m,p-Xylenes		<0.00397 0.00397	<0.00401 0.00401	<0.00402 0.00402	<0.0000402 0.0000402	<0.00399 0.00399	<0.00400 0.00400
o-Xylene		<0.00198 0.00198	<0.00200 0.00200	<0.00201 0.00201	<0.0000201 0.0000201	<0.00200 0.00200	<0.00200 0.00200
Total Xylenes		<0.00198 0.00198	<0.00200 0.00200	<0.00201 0.00201	<0.0000201 0.0000201	<0.00200 0.00200	<0.00200 0.00200
Total BTEX		<0.00198 0.00198	<0.00200 0.00200	<0.00201 0.00201	<0.0000201 0.0000201	<0.00200 0.00200	<0.00200 0.00200
Chloride by EPA 300	Extracted:	09.28.2020 11:50	09.28.2020 11:50	09.28.2020 11:50	09.28.2020 11:50	09.28.2020 15:45	09.28.2020 15:45
	Analyzed:	09.28.2020 14:18	09.28.2020 14:23	09.28.2020 14:28	09.28.2020 14:33	09.29.2020 10:01	09.29.2020 10:07
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		93.2 5.00	2860 50.4	4140 50.2	125 4.96	1730 50.0	3900 49.9
TPH By SW8015 Mod	Extracted:	09.25.2020 17:00	09.25.2020 17:00	09.25.2020 17:00	09.25.2020 17:00	09.25.2020 17:00	09.25.2020 17:00
	Analyzed:	09.25.2020 20:49	09.25.2020 21:47	09.25.2020 22:07	09.25.2020 22:26	09.25.2020 22:46	09.25.2020 23:05
	Units/RL:	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	<50.0 50.0	<49.9 49.9	<49.9 49.9	<50.0 50.0
Diesel Range Organics (DRO)		<50.0 50.0	<50.0 50.0	<50.0 50.0	<49.9 49.9	<49.9 49.9	<50.0 50.0
Motor Oil Range Hydrocarbons (MRO)		<50.0 50.0	<50.0 50.0	<50.0 50.0	<49.9 49.9	<49.9 49.9	<50.0 50.0
Total TPH		<50.0 50.0	<50.0 50.0	<50.0 50.0	<49.9 49.9	<49.9 49.9	<50.0 50.0

BRL - Below Reporting Limit

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



Certificate of Analysis Summary 673554

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: Vortec 2 #1 Battery

Project Id:

Date Received in Lab: Fri 09.25.2020 00:00

Contact: Ben Arguijo

Report Date: 09.29.2020 14:24

Project Location: Edd County, New Mexico

Project Manager: Holly Taylor

Analysis Requested	Lab Id:	673554-007	673554-008	673554-009	673554-010	673554-011	673554-012
	Field Id:	GA-61 W.Wall Composite	GA-61 Floor Composite	GA-63 Floor Composite	GA-64 W. Wall Composite	GA-64 Floor Composite	GA-65 Floor Composite
	Depth:						
	Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Sampled:	09.22.2020 10:00	09.23.2020 10:05	09.23.2020 10:10	09.24.2020 12:10	09.24.2020 12:15	09.24.2020 12:20
BTEX by EPA 8021B	Extracted:	09.27.2020 10:00	09.27.2020 10:00	09.27.2020 10:00	09.27.2020 10:00	09.27.2020 10:00	09.27.2020 10:00
	Analyzed:	09.27.2020 14:08	09.27.2020 14:28	09.27.2020 14:49	09.27.2020 15:09	09.27.2020 15:30	09.27.2020 16:53
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Benzene		<0.00199 0.00199	<0.00201 0.00201	<0.00202 0.00202	<0.00201 0.00201	<0.00198 0.00198	<0.00199 0.00199
Toluene		<0.00199 0.00199	<0.00201 0.00201	<0.00202 0.00202	<0.00201 0.00201	<0.00198 0.00198	<0.00199 0.00199
Ethylbenzene		<0.00199 0.00199	<0.00201 0.00201	<0.00202 0.00202	<0.00201 0.00201	<0.00198 0.00198	<0.00199 0.00199
m,p-Xylenes		<0.00398 0.00398	<0.00402 0.00402	<0.00404 0.00404	<0.00402 0.00402	<0.00396 0.00396	<0.00398 0.00398
o-Xylene		<0.00199 0.00199	<0.00201 0.00201	<0.00202 0.00202	<0.00201 0.00201	<0.00198 0.00198	<0.00199 0.00199
Total Xylenes		<0.00199 0.00199	<0.00201 0.00201	<0.00202 0.00202	<0.00201 0.00201	<0.00198 0.00198	<0.00199 0.00199
Total BTEX		<0.00199 0.00199	<0.00201 0.00201	<0.00202 0.00202	<0.00201 0.00201	<0.00198 0.00198	<0.00199 0.00199
Chloride by EPA 300	Extracted:	09.28.2020 15:45	09.28.2020 15:45	09.28.2020 15:45	09.28.2020 15:45	09.28.2020 15:45	09.28.2020 15:45
	Analyzed:	09.29.2020 10:12	09.29.2020 10:28	09.29.2020 10:33	09.29.2020 10:49	09.29.2020 10:54	09.29.2020 10:59
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		845 X 25.0	3000 50.3	3130 49.6	227 5.00	1890 25.3	3940 50.5
TPH By SW8015 Mod	Extracted:	09.25.2020 17:00	09.25.2020 17:00	09.25.2020 17:00	09.25.2020 17:00	09.25.2020 17:00	09.25.2020 17:00
	Analyzed:	09.25.2020 23:24	09.25.2020 23:44	09.26.2020 00:03	09.26.2020 00:23	09.26.2020 01:02	09.26.2020 01:21
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Gasoline Range Hydrocarbons (GRO)		<49.9 49.9	<49.8 49.8	<50.0 50.0	<50.0 50.0	<49.9 49.9	<49.8 49.8
Diesel Range Organics (DRO)		<49.9 49.9	<49.8 49.8	<50.0 50.0	<50.0 50.0	<49.9 49.9	<49.8 49.8
Motor Oil Range Hydrocarbons (MRO)		<49.9 49.9	<49.8 49.8	<50.0 50.0	<50.0 50.0	<49.9 49.9	<49.8 49.8
Total TPH		<49.9 49.9	<49.8 49.8	<50.0 50.0	<50.0 50.0	<49.9 49.9	<49.8 49.8

BRL - Below Reporting Limit

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



Certificate of Analysis Summary 673554

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: Vortec 2 #1 Battery

Project Id:

Date Received in Lab: Fri 09.25.2020 00:00

Contact: Ben Arguijo

Report Date: 09.29.2020 14:24

Project Location: Edd County, New Mexico

Project Manager: Holly Taylor

Analysis Requested	Lab Id: 673554-013 Field Id: GA-66 Floor Composite Depth: Matrix: SOIL Sampled: 09.24.2020 12:25					
BTEX by EPA 8021B	Extracted: 09.27.2020 10:00 Analyzed: 09.27.2020 17:13 Units/RL: mg/kg RL					
Benzene	<0.00198 0.00198					
Toluene	<0.00198 0.00198					
Ethylbenzene	<0.00198 0.00198					
m,p-Xylenes	<0.00397 0.00397					
o-Xylene	<0.00198 0.00198					
Total Xylenes	<0.00198 0.00198					
Total BTEX	<0.00198 0.00198					
Chloride by EPA 300	Extracted: 09.28.2020 15:45 Analyzed: 09.29.2020 11:05 Units/RL: mg/kg RL					
Chloride	2850 49.8					
TPH By SW8015 Mod	Extracted: 09.25.2020 17:00 Analyzed: 09.26.2020 01:41 Units/RL: mg/kg RL					
Gasoline Range Hydrocarbons (GRO)	<50.0 50.0					
Diesel Range Organics (DRO)	<50.0 50.0					
Motor Oil Range Hydrocarbons (MRO)	<50.0 50.0					
Total TPH	<50.0 50.0					

BRL - Below Reporting Limit

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





Analytical Report 673554

for

Trinity Oilfield Services & Rentals, LLC

Project Manager: Ben Arguijo

Vortec 2 #1 Battery

09.29.2020

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)



09.29.2020

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

Reference: Eurofins Xenco, LLC Report No(s): **673554**
Vortec 2 #1 Battery
Project Address: Edd County, New Mexico

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) 673554. 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. 673554 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,

A handwritten signature in black ink that reads "Jessica Kramer".

Jessica Kramer
Project Manager

A Small Business and Minority Company

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

**Sample Cross Reference 673554****Trinity Oilfield Services & Rentals, LLC, Hobbs, NM**

Vortec 2 #1 Battery

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
GA-56 W.Wall Composite	S	09.21.2020 13:30		673554-001
GA-58 Floor Composite	S	09.21.2020 13:35		673554-002
GA-59 Floor Composite	S	09.21.2020 13:40		673554-003
GA-60 W.Wall Composite	S	09.22.2020 13:45		673554-004
GA-60 Floor Composite	S	09.22.2020 13:50		673554-005
GA-62 Floor Composite	S	09.22.2020 13:55		673554-006
GA-61 W.Wall Composite	S	09.22.2020 10:00		673554-007
GA-61 Floor Composite	S	09.23.2020 10:05		673554-008
GA-63 Floor Composite	S	09.23.2020 10:10		673554-009
GA-64 W. Wall Composite	S	09.24.2020 12:10		673554-010
GA-64 Floor Composite	S	09.24.2020 12:15		673554-011
GA-65 Floor Composite	S	09.24.2020 12:20		673554-012
GA-66 Floor Composite	S	09.24.2020 12:25		673554-013



CASE NARRATIVE

Client Name: Trinity Oilfield Services & Rentals, LLC

Project Name: Vortec 2 #1 Battery

Project ID:
Work Order Number(s): 673554

Report Date: 09.29.2020
Date Received: 09.25.2020

Sample receipt non conformances and comments:

None

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3138196 BTEX by EPA 8021B

Lab Sample ID 673554-002 was randomly selected for Matrix Spike/Matrix Spike Duplicate (MS/MSD). Ethylbenzene, Toluene, m,p-Xylenes, o-Xylene recovered below QC limits in the Matrix Spike. Outlier/s are due to possible matrix interference. Samples in the analytical batch are: 673554-002.

The Laboratory Control Sample for Toluene, m,p-Xylenes, Ethylbenzene, o-Xylene is within laboratory Control Limits, therefore the data was accepted.



Certificate of Analytical Results 673554

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 2 #1 Battery

Sample Id: **GA-56 W.Wall Composite**

Matrix: Soil

Date Received: 09.25.2020 00:00

Lab Sample Id: 673554-001

Date Collected: 09.21.2020 13:30

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 09.28.2020 11:50

Basis: Wet Weight

Seq Number: 3138325

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	93.2	5.00	mg/kg	09.28.2020 14:18		1

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 09.25.2020 17:00

Basis: Wet Weight

Seq Number: 3138217

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	09.25.2020 20:49	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	09.25.2020 20:49	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	09.25.2020 20:49	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	09.25.2020 20:49	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	80	%	70-130	09.25.2020 20:49	
o-Terphenyl	84-15-1	88	%	70-130	09.25.2020 20:49	



Certificate of Analytical Results 673554

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 2 #1 Battery

Sample Id: **GA-56 W.Wall Composite**

Matrix: Soil

Date Received: 09.25.2020 00:00

Lab Sample Id: 673554-001

Date Collected: 09.21.2020 13:30

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 09.27.2020 10:00

Basis: Wet Weight

Seq Number: 3138208

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	09.27.2020 12:26	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	09.27.2020 12:26	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	09.27.2020 12:26	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	09.27.2020 12:26	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	09.27.2020 12:26	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	09.27.2020 12:26	U	1
Total BTEX		<0.00198	0.00198	mg/kg	09.27.2020 12:26	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	109	%	70-130	09.27.2020 12:26		
1,4-Difluorobenzene	540-36-3	99	%	70-130	09.27.2020 12:26		



Certificate of Analytical Results 673554

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 2 #1 Battery

Sample Id: **GA-58 Floor Composite**

Matrix: Soil

Date Received: 09.25.2020 00:00

Lab Sample Id: 673554-002

Date Collected: 09.21.2020 13:35

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 09.28.2020 11:50

Basis: Wet Weight

Seq Number: 3138325

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	2860	50.4	mg/kg	09.28.2020 14:23		10

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 09.25.2020 17:00

Basis: Wet Weight

Seq Number: 3138217

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	09.25.2020 21:47	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	09.25.2020 21:47	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	09.25.2020 21:47	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	09.25.2020 21:47	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	78	%	70-130	09.25.2020 21:47	
o-Terphenyl	84-15-1	88	%	70-130	09.25.2020 21:47	



Certificate of Analytical Results 673554

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 2 #1 Battery

Sample Id: **GA-58 Floor Composite**

Matrix: Soil

Date Received: 09.25.2020 00:00

Lab Sample Id: 673554-002

Date Collected: 09.21.2020 13:35

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 09.26.2020 14:05

Basis: Wet Weight

Seq Number: 3138196

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	09.27.2020 01:30	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	09.27.2020 01:30	UX	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	09.27.2020 01:30	UX	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	09.27.2020 01:30	UX	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	09.27.2020 01:30	UX	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	09.27.2020 01:30	U	1
Total BTEX		<0.00200	0.00200	mg/kg	09.27.2020 01:30	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	105	%	70-130	09.27.2020 01:30		
1,4-Difluorobenzene	540-36-3	101	%	70-130	09.27.2020 01:30		



Certificate of Analytical Results 673554

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 2 #1 Battery

Sample Id: **GA-59 Floor Composite**

Matrix: Soil

Date Received: 09.25.2020 00:00

Lab Sample Id: 673554-003

Date Collected: 09.21.2020 13:40

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 09.28.2020 11:50

Basis: Wet Weight

Seq Number: 3138325

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	4140	50.2	mg/kg	09.28.2020 14:28		10

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 09.25.2020 17:00

Basis: Wet Weight

Seq Number: 3138217

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	09.25.2020 22:07	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	09.25.2020 22:07	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	09.25.2020 22:07	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	09.25.2020 22:07	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	81	%	70-130	09.25.2020 22:07	
o-Terphenyl	84-15-1	91	%	70-130	09.25.2020 22:07	



Certificate of Analytical Results 673554

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 2 #1 Battery

Sample Id: **GA-59 Floor Composite**

Matrix: Soil

Date Received: 09.25.2020 00:00

Lab Sample Id: 673554-003

Date Collected: 09.21.2020 13:40

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 09.27.2020 10:00

Basis: Wet Weight

Seq Number: 3138208

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	09.27.2020 12:46	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	09.27.2020 12:46	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	09.27.2020 12:46	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	09.27.2020 12:46	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	09.27.2020 12:46	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	09.27.2020 12:46	U	1
Total BTEX		<0.00201	0.00201	mg/kg	09.27.2020 12:46	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	105	%	70-130	09.27.2020 12:46		
1,4-Difluorobenzene	540-36-3	103	%	70-130	09.27.2020 12:46		



Certificate of Analytical Results 673554

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 2 #1 Battery

Sample Id: **GA-60 W.Wall Composite**

Matrix: Soil

Date Received: 09.25.2020 00:00

Lab Sample Id: 673554-004

Date Collected: 09.22.2020 13:45

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 09.28.2020 11:50

Basis: Wet Weight

Seq Number: 3138325

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	125	4.96	mg/kg	09.28.2020 14:33		1

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 09.25.2020 17:00

Basis: Wet Weight

Seq Number: 3138217

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	09.25.2020 22:26	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	09.25.2020 22:26	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	09.25.2020 22:26	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	09.25.2020 22:26	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	79	%	70-130	09.25.2020 22:26	
o-Terphenyl	84-15-1	88	%	70-130	09.25.2020 22:26	



Certificate of Analytical Results 673554

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 2 #1 Battery

Sample Id: **GA-60 W.Wall Composite**

Matrix: Soil

Date Received: 09.25.2020 00:00

Lab Sample Id: 673554-004

Date Collected: 09.22.2020 13:45

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 09.27.2020 10:00

Basis: Wet Weight

Seq Number: 3138208

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.0000201	0.0000201	mg/kg	09.27.2020 13:06	U	1
Toluene	108-88-3	<0.0000201	0.0000201	mg/kg	09.27.2020 13:06	U	1
Ethylbenzene	100-41-4	<0.0000201	0.0000201	mg/kg	09.27.2020 13:06	U	1
m,p-Xylenes	179601-23-1	<0.0000402	0.0000402	mg/kg	09.27.2020 13:06	U	1
o-Xylene	95-47-6	<0.0000201	0.0000201	mg/kg	09.27.2020 13:06	U	1
Total Xylenes	1330-20-7	<0.0000201	0.0000201	mg/kg	09.27.2020 13:06	U	1
Total BTEX		<0.0000201	0.0000201	mg/kg	09.27.2020 13:06	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	104	%	70-130	09.27.2020 13:06	
1,4-Difluorobenzene	540-36-3	101	%	70-130	09.27.2020 13:06	



Certificate of Analytical Results 673554

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 2 #1 Battery

Sample Id: **GA-60 Floor Composite**

Matrix: Soil

Date Received: 09.25.2020 00:00

Lab Sample Id: 673554-005

Date Collected: 09.22.2020 13:50

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: SPC

% Moisture:

Analyst: CHE

Date Prep: 09.28.2020 15:45

Basis: Wet Weight

Seq Number: 3138331

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	1730	50.0	mg/kg	09.29.2020 10:01		10

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 09.25.2020 17:00

Basis: Wet Weight

Seq Number: 3138217

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	09.25.2020 22:46	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	09.25.2020 22:46	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	09.25.2020 22:46	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	09.25.2020 22:46	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	81	%	70-130	09.25.2020 22:46	
o-Terphenyl	84-15-1	92	%	70-130	09.25.2020 22:46	



Certificate of Analytical Results 673554

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 2 #1 Battery

Sample Id: **GA-60 Floor Composite**

Matrix: Soil

Date Received: 09.25.2020 00:00

Lab Sample Id: 673554-005

Date Collected: 09.22.2020 13:50

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 09.27.2020 10:00

Basis: Wet Weight

Seq Number: 3138208

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	09.27.2020 13:27	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	09.27.2020 13:27	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	09.27.2020 13:27	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	09.27.2020 13:27	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	09.27.2020 13:27	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	09.27.2020 13:27	U	1
Total BTEX		<0.00200	0.00200	mg/kg	09.27.2020 13:27	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	107	%	70-130	09.27.2020 13:27		
1,4-Difluorobenzene	540-36-3	102	%	70-130	09.27.2020 13:27		



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 2 #1 Battery

Sample Id: **GA-62 Floor Composite**

Matrix: Soil

Date Received: 09.25.2020 00:00

Lab Sample Id: 673554-006

Date Collected: 09.22.2020 13:55

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: SPC

% Moisture:

Analyst: CHE

Date Prep: 09.28.2020 15:45

Basis: Wet Weight

Seq Number: 3138331

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	3900	49.9	mg/kg	09.29.2020 10:07		10

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 09.25.2020 17:00

Basis: Wet Weight

Seq Number: 3138217

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	09.25.2020 23:05	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	09.25.2020 23:05	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	09.25.2020 23:05	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	09.25.2020 23:05	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	84	%	70-130	09.25.2020 23:05	
o-Terphenyl	84-15-1	95	%	70-130	09.25.2020 23:05	



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 2 #1 Battery

Sample Id: **GA-62 Floor Composite**

Matrix: Soil

Date Received: 09.25.2020 00:00

Lab Sample Id: 673554-006

Date Collected: 09.22.2020 13:55

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 09.27.2020 10:00

Basis: Wet Weight

Seq Number: 3138208

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	09.27.2020 13:47	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	09.27.2020 13:47	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	09.27.2020 13:47	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	09.27.2020 13:47	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	09.27.2020 13:47	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	09.27.2020 13:47	U	1
Total BTEX		<0.00200	0.00200	mg/kg	09.27.2020 13:47	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	105	%	70-130	09.27.2020 13:47		
1,4-Difluorobenzene	540-36-3	100	%	70-130	09.27.2020 13:47		



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 2 #1 Battery

Sample Id: **GA-61 W.Wall Composite**

Matrix: Soil

Date Received: 09.25.2020 00:00

Lab Sample Id: 673554-007

Date Collected: 09.22.2020 10:00

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: SPC

% Moisture:

Analyst: CHE

Date Prep: 09.28.2020 15:45

Basis: Wet Weight

Seq Number: 3138331

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	845	25.0	mg/kg	09.29.2020 10:12	X	5

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 09.25.2020 17:00

Basis: Wet Weight

Seq Number: 3138217

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	09.25.2020 23:24	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	09.25.2020 23:24	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	09.25.2020 23:24	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	09.25.2020 23:24	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	82	%	70-130	09.25.2020 23:24	
o-Terphenyl	84-15-1	92	%	70-130	09.25.2020 23:24	



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 2 #1 Battery

Sample Id: **GA-61 W.Wall Composite**

Matrix: Soil

Date Received: 09.25.2020 00:00

Lab Sample Id: 673554-007

Date Collected: 09.22.2020 10:00

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 09.27.2020 10:00

Basis: Wet Weight

Seq Number: 3138208

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	09.27.2020 14:08	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	09.27.2020 14:08	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	09.27.2020 14:08	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	09.27.2020 14:08	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	09.27.2020 14:08	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	09.27.2020 14:08	U	1
Total BTEX		<0.00199	0.00199	mg/kg	09.27.2020 14:08	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	99	%	70-130	09.27.2020 14:08		
4-Bromofluorobenzene	460-00-4	107	%	70-130	09.27.2020 14:08		



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 2 #1 Battery

Sample Id: **GA-61 Floor Composite**

Matrix: Soil

Date Received: 09.25.2020 00:00

Lab Sample Id: 673554-008

Date Collected: 09.23.2020 10:05

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: SPC

% Moisture:

Analyst: CHE

Date Prep: 09.28.2020 15:45

Basis: Wet Weight

Seq Number: 3138331

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	3000	50.3	mg/kg	09.29.2020 10:28		10

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 09.25.2020 17:00

Basis: Wet Weight

Seq Number: 3138217

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	09.25.2020 23:44	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	09.25.2020 23:44	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	09.25.2020 23:44	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	09.25.2020 23:44	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	78	%	70-130	09.25.2020 23:44	
o-Terphenyl	84-15-1	88	%	70-130	09.25.2020 23:44	



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 2 #1 Battery

Sample Id: **GA-61 Floor Composite**

Matrix: Soil

Date Received: 09.25.2020 00:00

Lab Sample Id: 673554-008

Date Collected: 09.23.2020 10:05

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 09.27.2020 10:00

Basis: Wet Weight

Seq Number: 3138208

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	09.27.2020 14:28	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	09.27.2020 14:28	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	09.27.2020 14:28	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	09.27.2020 14:28	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	09.27.2020 14:28	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	09.27.2020 14:28	U	1
Total BTEX		<0.00201	0.00201	mg/kg	09.27.2020 14:28	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	101	%	70-130	09.27.2020 14:28	
4-Bromofluorobenzene	460-00-4	106	%	70-130	09.27.2020 14:28	



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 2 #1 Battery

Sample Id: **GA-63 Floor Composite**

Matrix: Soil

Date Received: 09.25.2020 00:00

Lab Sample Id: 673554-009

Date Collected: 09.23.2020 10:10

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: SPC

% Moisture:

Analyst: CHE

Date Prep: 09.28.2020 15:45

Basis: Wet Weight

Seq Number: 3138331

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	3130	49.6	mg/kg	09.29.2020 10:33		10

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 09.25.2020 17:00

Basis: Wet Weight

Seq Number: 3138217

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	09.26.2020 00:03	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	09.26.2020 00:03	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	09.26.2020 00:03	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	09.26.2020 00:03	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	96	%	70-130	09.26.2020 00:03	
o-Terphenyl	84-15-1	108	%	70-130	09.26.2020 00:03	



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 2 #1 Battery

Sample Id: **GA-63 Floor Composite**

Matrix: Soil

Date Received: 09.25.2020 00:00

Lab Sample Id: 673554-009

Date Collected: 09.23.2020 10:10

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 09.27.2020 10:00

Basis: Wet Weight

Seq Number: 3138208

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	09.27.2020 14:49	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	09.27.2020 14:49	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	09.27.2020 14:49	U	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	09.27.2020 14:49	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	09.27.2020 14:49	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	09.27.2020 14:49	U	1
Total BTEX		<0.00202	0.00202	mg/kg	09.27.2020 14:49	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	101	%	70-130	09.27.2020 14:49		
4-Bromofluorobenzene	460-00-4	108	%	70-130	09.27.2020 14:49		



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 2 #1 Battery

Sample Id: **GA-64 W. Wall Composite**

Matrix: Soil

Date Received: 09.25.2020 00:00

Lab Sample Id: 673554-010

Date Collected: 09.24.2020 12:10

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: SPC

% Moisture:

Analyst: CHE

Date Prep: 09.28.2020 15:45

Basis: Wet Weight

Seq Number: 3138331

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	227	5.00	mg/kg	09.29.2020 10:49		1

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 09.25.2020 17:00

Basis: Wet Weight

Seq Number: 3138217

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	09.26.2020 00:23	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	09.26.2020 00:23	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	09.26.2020 00:23	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	09.26.2020 00:23	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	82	%	70-130	09.26.2020 00:23	
o-Terphenyl	84-15-1	90	%	70-130	09.26.2020 00:23	



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 2 #1 Battery

Sample Id: **GA-64 W. Wall Composite**

Matrix: Soil

Date Received: 09.25.2020 00:00

Lab Sample Id: 673554-010

Date Collected: 09.24.2020 12:10

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 09.27.2020 10:00

Basis: Wet Weight

Seq Number: 3138208

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	09.27.2020 15:09	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	09.27.2020 15:09	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	09.27.2020 15:09	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	09.27.2020 15:09	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	09.27.2020 15:09	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	09.27.2020 15:09	U	1
Total BTEX		<0.00201	0.00201	mg/kg	09.27.2020 15:09	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	111	%	70-130	09.27.2020 15:09		
1,4-Difluorobenzene	540-36-3	100	%	70-130	09.27.2020 15:09		



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 2 #1 Battery

Sample Id: **GA-64 Floor Composite**

Matrix: Soil

Date Received: 09.25.2020 00:00

Lab Sample Id: 673554-011

Date Collected: 09.24.2020 12:15

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: SPC

% Moisture:

Analyst: CHE

Date Prep: 09.28.2020 15:45

Basis: Wet Weight

Seq Number: 3138331

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	1890	25.3	mg/kg	09.29.2020 10:54		5

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 09.25.2020 17:00

Basis: Wet Weight

Seq Number: 3138217

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	09.26.2020 01:02	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	09.26.2020 01:02	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	09.26.2020 01:02	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	09.26.2020 01:02	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	81	%	70-130	09.26.2020 01:02	
o-Terphenyl	84-15-1	91	%	70-130	09.26.2020 01:02	



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 2 #1 Battery

Sample Id: **GA-64 Floor Composite**

Matrix: Soil

Date Received: 09.25.2020 00:00

Lab Sample Id: 673554-011

Date Collected: 09.24.2020 12:15

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 09.27.2020 10:00

Basis: Wet Weight

Seq Number: 3138208

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	09.27.2020 15:30	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	09.27.2020 15:30	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	09.27.2020 15:30	U	1
m,p-Xylenes	179601-23-1	<0.00396	0.00396	mg/kg	09.27.2020 15:30	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	09.27.2020 15:30	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	09.27.2020 15:30	U	1
Total BTEX		<0.00198	0.00198	mg/kg	09.27.2020 15:30	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	102	%	70-130	09.27.2020 15:30		
1,4-Difluorobenzene	540-36-3	99	%	70-130	09.27.2020 15:30		



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 2 #1 Battery

Sample Id: **GA-65 Floor Composite**

Matrix: Soil

Date Received: 09.25.2020 00:00

Lab Sample Id: 673554-012

Date Collected: 09.24.2020 12:20

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: SPC

% Moisture:

Analyst: CHE

Date Prep: 09.28.2020 15:45

Basis: Wet Weight

Seq Number: 3138331

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	3940	50.5	mg/kg	09.29.2020 10:59		10

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 09.25.2020 17:00

Basis: Wet Weight

Seq Number: 3138217

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	09.26.2020 01:21	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	09.26.2020 01:21	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	09.26.2020 01:21	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	09.26.2020 01:21	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	77	%	70-130	09.26.2020 01:21	
o-Terphenyl	84-15-1	87	%	70-130	09.26.2020 01:21	



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 2 #1 Battery

Sample Id: **GA-65 Floor Composite**

Matrix: Soil

Date Received: 09.25.2020 00:00

Lab Sample Id: 673554-012

Date Collected: 09.24.2020 12:20

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 09.27.2020 10:00

Basis: Wet Weight

Seq Number: 3138208

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	09.27.2020 16:53	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	09.27.2020 16:53	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	09.27.2020 16:53	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	09.27.2020 16:53	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	09.27.2020 16:53	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	09.27.2020 16:53	U	1
Total BTEX		<0.00199	0.00199	mg/kg	09.27.2020 16:53	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	102	%	70-130	09.27.2020 16:53	
4-Bromofluorobenzene	460-00-4	107	%	70-130	09.27.2020 16:53	



Certificate of Analytical Results 673554

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 2 #1 Battery

Sample Id: **GA-66 Floor Composite**

Matrix: Soil

Date Received: 09.25.2020 00:00

Lab Sample Id: 673554-013

Date Collected: 09.24.2020 12:25

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: SPC

% Moisture:

Analyst: CHE

Date Prep: 09.28.2020 15:45

Basis: Wet Weight

Seq Number: 3138331

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	2850	49.8	mg/kg	09.29.2020 11:05		10

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 09.25.2020 17:00

Basis: Wet Weight

Seq Number: 3138217

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	09.26.2020 01:41	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	09.26.2020 01:41	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	09.26.2020 01:41	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	09.26.2020 01:41	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	79	%	70-130	09.26.2020 01:41	
o-Terphenyl	84-15-1	89	%	70-130	09.26.2020 01:41	



Certificate of Analytical Results 673554

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 2 #1 Battery

Sample Id: **GA-66 Floor Composite**

Matrix: Soil

Date Received: 09.25.2020 00:00

Lab Sample Id: 673554-013

Date Collected: 09.24.2020 12:25

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 09.27.2020 10:00

Basis: Wet Weight

Seq Number: 3138208

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	09.27.2020 17:13	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	09.27.2020 17:13	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	09.27.2020 17:13	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	09.27.2020 17:13	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	09.27.2020 17:13	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	09.27.2020 17:13	U	1
Total BTEX		<0.00198	0.00198	mg/kg	09.27.2020 17:13	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	102	%	70-130	09.27.2020 17:13		
1,4-Difluorobenzene	540-36-3	101	%	70-130	09.27.2020 17:13		



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

Vortec 2 #1 Battery

Analytical Method: Chloride by EPA 300

Seq Number: 3138325

Matrix: Solid

Prep Method: E300P

Date Prep: 09.28.2020

MB Sample Id: 7712191-1-BLK

LCS Sample Id: 7712191-1-BKS

LCSD Sample Id: 7712191-1-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	267	107	90-110	1	20	mg/kg	09.28.2020 12:01	

Analytical Method: Chloride by EPA 300

Seq Number: 3138331

Matrix: Solid

Prep Method: E300P

Date Prep: 09.28.2020

MB Sample Id: 7712219-1-BLK

LCS Sample Id: 7712219-1-BKS

LCSD Sample Id: 7712219-1-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	267	107	265	106	90-110	1	20	mg/kg	09.29.2020 08:48	

Analytical Method: Chloride by EPA 300

Seq Number: 3138325

Matrix: Soil

Prep Method: E300P

Date Prep: 09.28.2020

Parent Sample Id: 673281-002

MS Sample Id: 673281-002 S

MSD Sample Id: 673281-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	1060	1250	2450	111	2450	111	90-110	0	20	mg/kg	09.28.2020 13:30	X

Analytical Method: Chloride by EPA 300

Seq Number: 3138325

Matrix: Soil

Prep Method: E300P

Date Prep: 09.28.2020

Parent Sample Id: 673555-003

MS Sample Id: 673555-003 S

MSD Sample Id: 673555-003 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	1860	1260	3230	109	3260	111	90-110	1	20	mg/kg	09.28.2020 12:16	X

Analytical Method: Chloride by EPA 300

Seq Number: 3138331

Matrix: Soil

Prep Method: E300P

Date Prep: 09.28.2020

Parent Sample Id: 673554-007

MS Sample Id: 673554-007 S

MSD Sample Id: 673554-007 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	845	250	2230	554	2230	554	90-110	0	20	mg/kg	09.29.2020 10:17	X

Analytical Method: Chloride by EPA 300

Seq Number: 3138331

Matrix: Soil

Prep Method: E300P

Date Prep: 09.28.2020

Parent Sample Id: 673705-008

MS Sample Id: 673705-008 S

MSD Sample Id: 673705-008 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	686	250	920	94	920	94	90-110	0	20	mg/kg	09.29.2020 09:03	

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

Vortec 2 #1 Battery

Analytical Method: TPH By SW8015 Mod

Seq Number: 3138217

Matrix: Solid

Prep Method: SW8015P

Date Prep: 09.25.2020

MB Sample Id: 7712148-1-BLK

LCS Sample Id: 7712148-1-BKS

LCSD Sample Id: 7712148-1-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	1080	108	1080	108	70-130	0	20	mg/kg	09.25.2020 20:10	
Diesel Range Organics (DRO)	<50.0	1000	1100	110	1080	108	70-130	2	20	mg/kg	09.25.2020 20:10	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	89		104		105		70-130	%	09.25.2020 20:10
o-Terphenyl	101		111		105		70-130	%	09.25.2020 20:10

Analytical Method: TPH By SW8015 Mod

Seq Number: 3138217

Matrix: Solid

Prep Method: SW8015P

Date Prep: 09.25.2020

MB Sample Id: 7712148-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	09.25.2020 19:50	

Analytical Method: TPH By SW8015 Mod

Seq Number: 3138217

Matrix: Soil

Prep Method: SW8015P

Date Prep: 09.25.2020

Parent Sample Id: 673554-001

MS Sample Id: 673554-001 S

MSD Sample Id: 673554-001 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	998	890	89	960	96	70-130	8	20	mg/kg	09.25.2020 21:08	
Diesel Range Organics (DRO)	<49.9	998	924	93	1010	101	70-130	9	20	mg/kg	09.25.2020 21:08	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	95		97		70-130	%	09.25.2020 21:08
o-Terphenyl	93		100		70-130	%	09.25.2020 21:08

Analytical Method: BTEX by EPA 8021B

Seq Number: 3138196

Matrix: Solid

Prep Method: SW5035A

Date Prep: 09.26.2020

MB Sample Id: 7712145-1-BLK

LCS Sample Id: 7712145-1-BKS

LCSD Sample Id: 7712145-1-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	0.112	112	0.106	106	70-130	6	35	mg/kg	09.26.2020 23:08	
Toluene	<0.00200	0.100	0.101	101	0.0965	97	70-130	5	35	mg/kg	09.26.2020 23:08	
Ethylbenzene	<0.00200	0.100	0.105	105	0.101	101	70-130	4	35	mg/kg	09.26.2020 23:08	
m,p-Xylenes	<0.00400	0.200	0.212	106	0.205	103	70-130	3	35	mg/kg	09.26.2020 23:08	
o-Xylene	<0.00200	0.100	0.104	104	0.100	100	70-130	4	35	mg/kg	09.26.2020 23:08	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	99		100		98		70-130	%	09.26.2020 23:08
4-Bromofluorobenzene	104		97		97		70-130	%	09.26.2020 23:08

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

Vortec 2 #1 Battery

Analytical Method: BTEX by EPA 8021B

Seq Number: 3138208

Matrix: Solid

Prep Method: SW5035A

Date Prep: 09.27.2020

MB Sample Id: 7712158-1-BLK

LCS Sample Id: 7712158-1-BKS

LCSD Sample Id: 7712158-1-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	0.107	107	0.108	108	70-130	1	35	mg/kg	09.27.2020 10:04	
Toluene	<0.00200	0.100	0.109	109	0.113	113	70-130	4	35	mg/kg	09.27.2020 10:04	
Ethylbenzene	<0.00200	0.100	0.101	101	0.103	103	70-130	2	35	mg/kg	09.27.2020 10:04	
m,p-Xylenes	<0.00400	0.200	0.203	102	0.209	105	70-130	3	35	mg/kg	09.27.2020 10:04	
o-Xylene	<0.00200	0.100	0.0994	99	0.103	103	70-130	4	35	mg/kg	09.27.2020 10:04	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	98		99		98		70-130	%	09.27.2020 10:04
4-Bromofluorobenzene	100		97		101		70-130	%	09.27.2020 10:04

Analytical Method: BTEX by EPA 8021B

Seq Number: 3138196

Matrix: Soil

Prep Method: SW5035A

Date Prep: 09.26.2020

Parent Sample Id: 673554-002

MS Sample Id: 673554-002 S

MSD Sample Id: 673554-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00199	0.0994	0.0701	71	0.0875	87	70-130	22	35	mg/kg	09.26.2020 23:49	
Toluene	<0.00199	0.0994	0.0614	62	0.0783	78	70-130	24	35	mg/kg	09.26.2020 23:49	X
Ethylbenzene	<0.00199	0.0994	0.0598	60	0.0804	80	70-130	29	35	mg/kg	09.26.2020 23:49	X
m,p-Xylenes	<0.00398	0.199	0.120	60	0.162	80	70-130	30	35	mg/kg	09.26.2020 23:49	X
o-Xylene	<0.00199	0.0994	0.0581	58	0.0777	77	70-130	29	35	mg/kg	09.26.2020 23:49	X

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	99		99		70-130	%	09.26.2020 23:49
4-Bromofluorobenzene	100		102		70-130	%	09.26.2020 23:49

Analytical Method: BTEX by EPA 8021B

Seq Number: 3138208

Matrix: Soil

Prep Method: SW5035A

Date Prep: 09.27.2020

Parent Sample Id: 673554-009

MS Sample Id: 673554-009 S

MSD Sample Id: 673554-009 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00199	0.0996	0.0874	88	0.0879	89	70-130	1	35	mg/kg	09.27.2020 10:45	
Toluene	<0.00199	0.0996	0.0904	91	0.0864	87	70-130	5	35	mg/kg	09.27.2020 10:45	
Ethylbenzene	<0.00199	0.0996	0.0821	82	0.0810	82	70-130	1	35	mg/kg	09.27.2020 10:45	
m,p-Xylenes	<0.00398	0.199	0.164	82	0.163	82	70-130	1	35	mg/kg	09.27.2020 10:45	
o-Xylene	<0.00199	0.0996	0.0783	79	0.0776	78	70-130	1	35	mg/kg	09.27.2020 10:45	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	98		98		70-130	%	09.27.2020 10:45
4-Bromofluorobenzene	101		103		70-130	%	09.27.2020 10:45

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

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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: 6073554

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Page 1 of 2

Project Manager:	Ben J. Arguijo	Bill to: (if different)	Wade Dittrich
Company Name:	Trinity Oilfield Services & Rentals, LLC	Company Name:	OXY USA, Inc.
Address:	8426 N. Dal Paso	Address:	
City, State ZIP:	Hobbs, NM 88242	City, State ZIP:	
Phone:	(575)390-7208	Email:	Wade.Dittrich@oxy.com & ben@trinitvoilfieldservices.com

Work Order Comments		
Program:	UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐	
State of Project:		
Reporting:	Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐	
Deliverables:	EDD ☐ ADaPT ☐ 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	Tl	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	Tl	U											1631 / 245.1 / 7470 / 7471 : Hg	

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Relinquished by: (Signature)		Received by: (Signature)		Date/Time	
1					9/25
2					
3					
4					
5					
6					

ORIGIN ID: CACA (575) 988-3199
 SAMPLE CUSTODY
 XENCO LABORATORIES NM
 1089 N CANAL ST
 CARLSBAD, NM 88220
 UNITED STATES US

SHIP DATE: 24SEP20
 ACTWGT: 20.00 LB
 CAD: 114488676IN/ET4280
 DIMS: 24x14x15 IN
 BILL SENDER

TO **SAMPLE RECEIVING**

3600 S COUNTY ROAD 1276

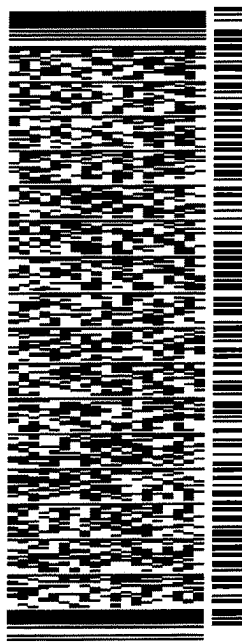
MIDLAND TX 79706

REF: (432) 704-5440

DEPT:

PO:

DEPT:



J202020071401uv

56BJ61545/B766

TRK# 7716 2325 9761
 0201

FRI - 25 SEP HOLD

PRIORITY OVERNIGHT

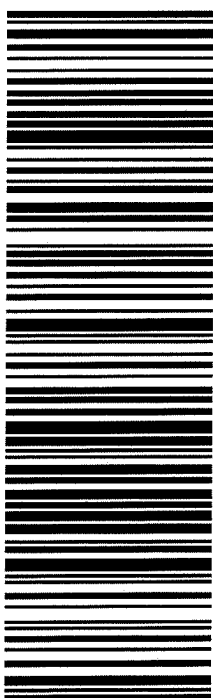
HLD

79706

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LBB

41 MAFA



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Certificate of Analysis Summary 673683



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: Vortec 22 #1 Battery

Project Id:

Date Received in Lab: Mon 09.28.2020 08:58

Contact: Ben Arguijo

Report Date: 09.30.2020 14:10

Project Location: Eddy County New Mexico

Project Manager: Holly Taylor

Analysis Requested	Lab Id:	673683-001	673683-002	673683-003	673683-004	673683-005	673683-006
	Field Id:	GA-67 S Wall Composite	GA-67 W Wall Composite	GA-67 Floor Composite	GA-68 S. Wall Composite	GA-68 Floor Composite	GA-56 Floor Composite
	Depth:						
	Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Sampled:	09.25.2020 10:00	09.25.2020 10:05	09.25.2020 10:10	09.25.2020 10:15	09.25.2020 10:20	09.25.2020 10:25
BTEX by EPA 8021B	Extracted:	09.29.2020 13:30	09.29.2020 13:30	09.29.2020 13:30	09.29.2020 13:30	09.29.2020 13:30	09.29.2020 13:30
	Analyzed:	09.29.2020 20:50	09.29.2020 21:11	09.29.2020 21:32	09.29.2020 21:53	09.29.2020 22:13	09.29.2020 22:34
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Benzene		<0.00199 0.00199	<0.00200 0.00200	<0.00201 0.00201	<0.00199 0.00199	<0.00198 0.00198	<0.00200 0.00200
Toluene		<0.00199 0.00199	<0.00200 0.00200	<0.00201 0.00201	<0.00199 0.00199	<0.00198 0.00198	<0.00200 0.00200
Ethylbenzene		<0.00199 0.00199	<0.00200 0.00200	<0.00201 0.00201	<0.00199 0.00199	<0.00198 0.00198	<0.00200 0.00200
m,p-Xylenes		<0.00398 0.00398	<0.00399 0.00399	<0.00402 0.00402	<0.00398 0.00398	<0.00397 0.00397	<0.00399 0.00399
o-Xylene		<0.00199 0.00199	<0.00200 0.00200	<0.00201 0.00201	<0.00199 0.00199	<0.00198 0.00198	<0.00200 0.00200
Total Xylenes		<0.00199 0.00199	<0.00200 0.00200	<0.00201 0.00201	<0.00199 0.00199	<0.00198 0.00198	<0.00200 0.00200
Total BTEX		<0.00199 0.00199	<0.00200 0.00200	<0.00201 0.00201	<0.00199 0.00199	<0.00198 0.00198	<0.00200 0.00200
Inorganic Anions by EPA 300	Extracted:	09.29.2020 16:00	09.29.2020 16:00	09.29.2020 16:00	09.29.2020 16:00	09.29.2020 16:00	09.29.2020 16:00
	Analyzed:	09.29.2020 17:08	09.29.2020 17:15	09.29.2020 17:33	09.29.2020 17:40	09.29.2020 17:46	09.29.2020 17:52
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		305 4.99	264 4.95	6590 50.2	696 4.98	4280 50.4	2860 50.0
TPH by SW8015 Mod	Extracted:	09.28.2020 16:00	09.28.2020 16:00	09.28.2020 16:00	09.28.2020 16:00	09.28.2020 16:00	09.28.2020 16:00
	Analyzed:	09.29.2020 06:15	09.29.2020 06:37	09.29.2020 06:59	09.29.2020 07:22	09.29.2020 07:44	09.29.2020 08:05
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Gasoline Range Hydrocarbons (GRO)		<49.9 49.9	<49.8 49.8	<50.0 50.0	<49.9 49.9	<49.9 49.9	<50.0 50.0
Diesel Range Organics (DRO)		<49.9 49.9	<49.8 49.8	<50.0 50.0	<49.9 49.9	<49.9 49.9	<50.0 50.0
Motor Oil Range Hydrocarbons (MRO)		<49.9 49.9	<49.8 49.8	<50.0 50.0	<49.9 49.9	<49.9 49.9	<50.0 50.0
Total TPH		<49.9 49.9	<49.8 49.8	<50.0 50.0	<49.9 49.9	<49.9 49.9	<50.0 50.0

BRL - Below Reporting Limit

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

Analytical Report 673683

for

Trinity Oilfield Services & Rentals, LLC

Project Manager: Ben Arguijo

Vortec 22 #1 Battery

09.30.2020

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)



09.30.2020

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

Reference: Eurofins Xenco, LLC Report No(s): **673683**
Vortec 22 #1 Battery
Project Address: Eddy County New Mexico

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) 673683. 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. 673683 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,

A handwritten signature in black ink that reads "Jessica Kramer".

Jessica Kramer
Project Manager

A Small Business and Minority Company

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

**Sample Cross Reference 673683****Trinity Oilfield Services & Rentals, LLC, Hobbs, NM**

Vortec 22 #1 Battery

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
GA-67 S Wall Composite	S	09.25.2020 10:00		673683-001
GA-67 W Wall Composite	S	09.25.2020 10:05		673683-002
GA-67 Floor Composite	S	09.25.2020 10:10		673683-003
GA-68 S. Wall Composite	S	09.25.2020 10:15		673683-004
GA-68 Floor Composite	S	09.25.2020 10:20		673683-005
GA-56 Floor Composite	S	09.25.2020 10:25		673683-006



CASE NARRATIVE

Client Name: Trinity Oilfield Services & Rentals, LLC

Project Name: Vortec 22 #1 Battery

Project ID:
Work Order Number(s): 673683

Report Date: 09.30.2020
Date Received: 09.28.2020

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3138443 BTEX by EPA 8021B

Surrogate 4-Bromofluorobenzene recovered above QC limits. Matrix interferences is suspected.

Samples affected are: 673765-001 SD,673683-005,673683-006,673683-003.



Certificate of Analytical Results 673683

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-67 S Wall Composite**

Matrix: Soil

Date Received: 09.28.2020 08:58

Lab Sample Id: 673683-001

Date Collected: 09.25.2020 10:00

Analytical Method: Inorganic Anions by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 09.29.2020 16:00

Basis: Wet Weight

Seq Number: 3138452

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	305	4.99	mg/kg	09.29.2020 17:08		1

Analytical Method: TPH by SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 09.28.2020 16:00

Basis: Wet Weight

Seq Number: 3138367

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	09.29.2020 06:15	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	09.29.2020 06:15	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	09.29.2020 06:15	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	09.29.2020 06:15	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	78	%	70-130	09.29.2020 06:15	
o-Terphenyl	84-15-1	77	%	70-130	09.29.2020 06:15	



Certificate of Analytical Results 673683

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-67 S Wall Composite**

Matrix: Soil

Date Received: 09.28.2020 08:58

Lab Sample Id: 673683-001

Date Collected: 09.25.2020 10:00

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: AMF

% Moisture:

Analyst: AMF

Date Prep: 09.29.2020 13:30

Basis: Wet Weight

Seq Number: 3138443

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	09.29.2020 20:50	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	09.29.2020 20:50	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	09.29.2020 20:50	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	09.29.2020 20:50	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	09.29.2020 20:50	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	09.29.2020 20:50	U	1
Total BTEX		<0.00199	0.00199	mg/kg	09.29.2020 20:50	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	93	%	70-130	09.29.2020 20:50		
4-Bromofluorobenzene	460-00-4	115	%	70-130	09.29.2020 20:50		



Certificate of Analytical Results 673683

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-67 W Wall Composite**

Matrix: Soil

Date Received: 09.28.2020 08:58

Lab Sample Id: 673683-002

Date Collected: 09.25.2020 10:05

Analytical Method: Inorganic Anions by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 09.29.2020 16:00

Basis: Wet Weight

Seq Number: 3138452

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	264	4.95	mg/kg	09.29.2020 17:15		1

Analytical Method: TPH by SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 09.28.2020 16:00

Basis: Wet Weight

Seq Number: 3138367

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	09.29.2020 06:37	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	09.29.2020 06:37	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	09.29.2020 06:37	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	09.29.2020 06:37	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	80	%	70-130	09.29.2020 06:37	
o-Terphenyl	84-15-1	80	%	70-130	09.29.2020 06:37	



Certificate of Analytical Results 673683

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-67 W Wall Composite**

Matrix: Soil

Date Received: 09.28.2020 08:58

Lab Sample Id: 673683-002

Date Collected: 09.25.2020 10:05

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: AMF

% Moisture:

Analyst: AMF

Date Prep: 09.29.2020 13:30

Basis: Wet Weight

Seq Number: 3138443

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	09.29.2020 21:11	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	09.29.2020 21:11	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	09.29.2020 21:11	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	09.29.2020 21:11	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	09.29.2020 21:11	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	09.29.2020 21:11	U	1
Total BTEX		<0.00200	0.00200	mg/kg	09.29.2020 21:11	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	129	%	70-130	09.29.2020 21:11		
1,4-Difluorobenzene	540-36-3	102	%	70-130	09.29.2020 21:11		



Certificate of Analytical Results 673683

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-67 Floor Composite**

Matrix: Soil

Date Received: 09.28.2020 08:58

Lab Sample Id: 673683-003

Date Collected: 09.25.2020 10:10

Analytical Method: Inorganic Anions by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 09.29.2020 16:00

Basis: Wet Weight

Seq Number: 3138452

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	6590	50.2	mg/kg	09.29.2020 17:33		10

Analytical Method: TPH by SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 09.28.2020 16:00

Basis: Wet Weight

Seq Number: 3138367

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	09.29.2020 06:59	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	09.29.2020 06:59	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	09.29.2020 06:59	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	09.29.2020 06:59	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	78	%	70-130	09.29.2020 06:59	
o-Terphenyl	84-15-1	80	%	70-130	09.29.2020 06:59	



Certificate of Analytical Results 673683

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-67 Floor Composite**

Matrix: Soil

Date Received: 09.28.2020 08:58

Lab Sample Id: 673683-003

Date Collected: 09.25.2020 10:10

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: AMF

% Moisture:

Analyst: AMF

Date Prep: 09.29.2020 13:30

Basis: Wet Weight

Seq Number: 3138443

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	09.29.2020 21:32	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	09.29.2020 21:32	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	09.29.2020 21:32	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	09.29.2020 21:32	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	09.29.2020 21:32	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	09.29.2020 21:32	U	1
Total BTEX		<0.00201	0.00201	mg/kg	09.29.2020 21:32	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	100	%	70-130	09.29.2020 21:32		
4-Bromofluorobenzene	460-00-4	134	%	70-130	09.29.2020 21:32	**	



Certificate of Analytical Results 673683

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-68 S. Wall Composite**

Matrix: Soil

Date Received: 09.28.2020 08:58

Lab Sample Id: 673683-004

Date Collected: 09.25.2020 10:15

Analytical Method: Inorganic Anions by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 09.29.2020 16:00

Basis: Wet Weight

Seq Number: 3138452

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	696	4.98	mg/kg	09.29.2020 17:40		1

Analytical Method: TPH by SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 09.28.2020 16:00

Basis: Wet Weight

Seq Number: 3138367

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	09.29.2020 07:22	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	09.29.2020 07:22	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	09.29.2020 07:22	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	09.29.2020 07:22	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	74	%	70-130	09.29.2020 07:22	
o-Terphenyl	84-15-1	76	%	70-130	09.29.2020 07:22	



Certificate of Analytical Results 673683

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-68 S. Wall Composite**

Matrix: Soil

Date Received: 09.28.2020 08:58

Lab Sample Id: 673683-004

Date Collected: 09.25.2020 10:15

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: AMF

% Moisture:

Analyst: AMF

Date Prep: 09.29.2020 13:30

Basis: Wet Weight

Seq Number: 3138443

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	09.29.2020 21:53	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	09.29.2020 21:53	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	09.29.2020 21:53	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	09.29.2020 21:53	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	09.29.2020 21:53	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	09.29.2020 21:53	U	1
Total BTEX		<0.00199	0.00199	mg/kg	09.29.2020 21:53	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	99	%	70-130	09.29.2020 21:53		
4-Bromofluorobenzene	460-00-4	130	%	70-130	09.29.2020 21:53		



Certificate of Analytical Results 673683

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-68 Floor Composite**

Matrix: Soil

Date Received: 09.28.2020 08:58

Lab Sample Id: 673683-005

Date Collected: 09.25.2020 10:20

Analytical Method: Inorganic Anions by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 09.29.2020 16:00

Basis: Wet Weight

Seq Number: 3138452

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	4280	50.4	mg/kg	09.29.2020 17:46		10

Analytical Method: TPH by SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 09.28.2020 16:00

Basis: Wet Weight

Seq Number: 3138367

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	09.29.2020 07:44	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	09.29.2020 07:44	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	09.29.2020 07:44	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	09.29.2020 07:44	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	78	%	70-130	09.29.2020 07:44	
o-Terphenyl	84-15-1	80	%	70-130	09.29.2020 07:44	



Certificate of Analytical Results 673683

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-68 Floor Composite**

Matrix: Soil

Date Received: 09.28.2020 08:58

Lab Sample Id: 673683-005

Date Collected: 09.25.2020 10:20

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: AMF

% Moisture:

Analyst: AMF

Date Prep: 09.29.2020 13:30

Basis: Wet Weight

Seq Number: 3138443

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	09.29.2020 22:13	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	09.29.2020 22:13	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	09.29.2020 22:13	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	09.29.2020 22:13	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	09.29.2020 22:13	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	09.29.2020 22:13	U	1
Total BTEX		<0.00198	0.00198	mg/kg	09.29.2020 22:13	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	105	%	70-130	09.29.2020 22:13		
4-Bromofluorobenzene	460-00-4	139	%	70-130	09.29.2020 22:13	**	



Certificate of Analytical Results 673683

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-56 Floor Composite**

Matrix: Soil

Date Received: 09.28.2020 08:58

Lab Sample Id: 673683-006

Date Collected: 09.25.2020 10:25

Analytical Method: Inorganic Anions by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 09.29.2020 16:00

Basis: Wet Weight

Seq Number: 3138452

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	2860	50.0	mg/kg	09.29.2020 17:52		10

Analytical Method: TPH by SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 09.28.2020 16:00

Basis: Wet Weight

Seq Number: 3138367

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	09.29.2020 08:05	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	09.29.2020 08:05	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	09.29.2020 08:05	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	09.29.2020 08:05	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	75	%	70-130	09.29.2020 08:05	
o-Terphenyl	84-15-1	78	%	70-130	09.29.2020 08:05	



Certificate of Analytical Results 673683

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-56 Floor Composite**

Matrix: Soil

Date Received: 09.28.2020 08:58

Lab Sample Id: 673683-006

Date Collected: 09.25.2020 10:25

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: AMF

% Moisture:

Analyst: AMF

Date Prep: 09.29.2020 13:30

Basis: Wet Weight

Seq Number: 3138443

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	09.29.2020 22:34	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	09.29.2020 22:34	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	09.29.2020 22:34	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	09.29.2020 22:34	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	09.29.2020 22:34	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	09.29.2020 22:34	U	1
Total BTEX		<0.00200	0.00200	mg/kg	09.29.2020 22:34	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	98	%	70-130	09.29.2020 22:34		
4-Bromofluorobenzene	460-00-4	134	%	70-130	09.29.2020 22:34	**	



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

Vortec 22 #1 Battery

Analytical Method: Inorganic Anions by EPA 300

Seq Number: 3138452

Matrix: Solid

Prep Method: E300P

Date Prep: 09.29.2020

MB Sample Id: 7712311-1-BLK

LCS Sample Id: 7712311-1-BKS

LCSD Sample Id: 7712311-1-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	257	103	256	102	90-110	0	20	mg/kg	09.29.2020 16:24	

Analytical Method: Inorganic Anions by EPA 300

Seq Number: 3138452

Matrix: Soil

Prep Method: E300P

Date Prep: 09.29.2020

Parent Sample Id: 673651-055

MS Sample Id: 673651-055 S

MSD Sample Id: 673651-055 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	4000	1250	5330	106	5340	107	90-110	0	20	mg/kg	09.29.2020 16:43	

Analytical Method: Inorganic Anions by EPA 300

Seq Number: 3138452

Matrix: Soil

Prep Method: E300P

Date Prep: 09.29.2020

Parent Sample Id: 673686-002

MS Sample Id: 673686-002 S

MSD Sample Id: 673686-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	18.2	248	277	104	273	103	90-110	1	20	mg/kg	09.29.2020 18:11	

Analytical Method: TPH by SW8015 Mod

Seq Number: 3138367

Matrix: Solid

Prep Method: SW8015P

Date Prep: 09.28.2020

MB Sample Id: 7712244-1-BLK

LCS Sample Id: 7712244-1-BKS

LCSD Sample Id: 7712244-1-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	1020	102	1050	105	70-130	3	20	mg/kg	09.28.2020 23:02	
Diesel Range Organics (DRO)	<50.0	1000	1020	102	995	100	70-130	2	20	mg/kg	09.28.2020 23:02	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	88		97		96		70-130	%	09.28.2020 23:02
o-Terphenyl	86		88		89		70-130	%	09.28.2020 23:02

Analytical Method: TPH by SW8015 Mod

Seq Number: 3138367

Matrix: Solid

Prep Method: SW8015P

Date Prep: 09.28.2020

MB Sample Id: 7712244-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	09.29.2020 00:07	

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

Vortec 22 #1 Battery

Analytical Method: TPH by SW8015 Mod

Seq Number: 3138367

Parent Sample Id: 673712-001

Matrix: Soil

MS Sample Id: 673712-001 S

Prep Method: SW8015P

Date Prep: 09.28.2020

MSD Sample Id: 673712-001 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	998	988	99	1020	102	70-130	3	20	mg/kg	09.29.2020 00:49	
Diesel Range Organics (DRO)	<49.9	998	969	97	978	98	70-130	1	20	mg/kg	09.29.2020 00:49	

Surrogate

	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	89		92		70-130	%	09.29.2020 00:49
o-Terphenyl	71		80		70-130	%	09.29.2020 00:49

Analytical Method: BTEX by EPA 8021B

Seq Number: 3138443

MB Sample Id: 7712338-1-BLK

Matrix: Solid

LCS Sample Id: 7712338-1-BKS

Prep Method: SW5035A

Date Prep: 09.29.2020

LCSD Sample Id: 7712338-1-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	0.120	120	70-130	1	35	mg/kg	09.29.2020 16:54	
Toluene	<0.00200	0.100	0.114	114	0.113	113	70-130	1	35	mg/kg	09.29.2020 16:54	
Ethylbenzene	<0.00200	0.100	0.109	109	0.109	109	70-130	0	35	mg/kg	09.29.2020 16:54	
m,p-Xylenes	<0.00400	0.200	0.234	117	0.233	117	70-130	0	35	mg/kg	09.29.2020 16:54	
o-Xylene	<0.00200	0.100	0.112	112	0.113	113	70-130	1	35	mg/kg	09.29.2020 16:54	

Surrogate

	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	79		105		101		70-130	%	09.29.2020 16:54
4-Bromofluorobenzene	114		121		122		70-130	%	09.29.2020 16:54

Analytical Method: BTEX by EPA 8021B

Seq Number: 3138443

Parent Sample Id: 673765-001

Matrix: Soil

MS Sample Id: 673765-001 S

Prep Method: SW5035A

Date Prep: 09.29.2020

MSD Sample Id: 673765-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00199	0.0994	0.115	116	0.114	114	70-130	1	35	mg/kg	09.29.2020 17:36	
Toluene	<0.00199	0.0994	0.104	105	0.102	102	70-130	2	35	mg/kg	09.29.2020 17:36	
Ethylbenzene	<0.00199	0.0994	0.0956	96	0.0925	93	70-130	3	35	mg/kg	09.29.2020 17:36	
m,p-Xylenes	<0.00398	0.199	0.202	102	0.196	98	70-130	3	35	mg/kg	09.29.2020 17:36	
o-Xylene	<0.00199	0.0994	0.0979	98	0.0965	97	70-130	1	35	mg/kg	09.29.2020 17:36	

Surrogate

	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	101		110		70-130	%	09.29.2020 17:36
4-Bromofluorobenzene	119		137	**	70-130	%	09.29.2020 17:36

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. 673683

www.xenco.com

Page 1 of 1

Project Manager:	Ben J. Arguijo	Bill to: (if different)	Wade Dittrich
Company Name:	Trinity Oilfield Services & Rentals, LLC	Company Name:	OXY USA, Inc.
Address:	8426 N. Dal Paso	Address:	
City, State ZIP:	Hobbs, NM 88242	City, State ZIP:	
Phone:	(575)390-7208	Email:	Wade.Dittrich@oxy.com & ben@trinitvoilfieldservices.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ 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

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)					
9/25 @ 3:20												9/25 @ 9:30					

ORIGIN ID: H0BA (076) 392-7880
* MAIL SERVICES ETC
4008 N GRIMES
HOBBS, NM 88240
UNITED STATES US

SHIP DATE: 25SEP20
ACTWGT: 14.00 LB MAN
CAD: 0103352/CAFE3313
DIMS: 22x14x12 IN
BILL SENDER

TO XENCO HOLD FOR PICKUP
FEDEX OFFICE PRINT & SHIP CENTER
FEDEX OFFICE PRINT & SHIP CENTER
200 W INTERSTATE 20
MIDLAND TX 79701
(432) 704-5440
REF: DEPT:

565C6/1545/05A2

FedEx
Express
E
J191219882001UV

TRK# 9061 5135 0135
0201

41 MAFA

SATURDAY HOLD
PRIORITY OVERNIGHT
HLD
MAFKI
TX-US LBB

PSN # 100140-404 PUT EXP 01/21 **

Eurofins Xenco, LLC

Prelogin/Nonconformance Report- Sample Log-In

Client: Trinity Oilfield Services & Rentals, LLC**Date/ Time Received:** 09.28.2020 08.58.13 AM**Work Order #:** 673683**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 *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:

Jessica Kramer

Date: 09.28.2020

Checklist reviewed by:

Ruriko Konuma

Date: 09.30.2020

Certificate of Analysis Summary 674859



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: Vortec 22 #1 Battery

Project Id:

Date Received in Lab: Mon 10.12.2020 09:33

Contact: Ben Arguijo

Report Date: 10.14.2020 15:44

Project Location: Eddy County, New Mexico

Project Manager: Holly Taylor

Analysis Requested	Lab Id:	674859-001	674859-002	674859-003			
	Field Id:	GA-15 N.Wall Composite	GA-20 E.Wall Composite	GA-68 S.Wall Composite			
	Depth:						
	Matrix:	SOIL	SOIL	SOIL			
	Sampled:	10.05.2020 10:05	10.05.2020 10:10	10.05.2020 10:00			
BTEX by EPA 8021B	Extracted:	10.12.2020 16:15	10.12.2020 16:15	10.12.2020 16:15			
	Analyzed:	10.12.2020 18:44	10.12.2020 19:04	10.12.2020 19:25			
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL			
Benzene		0.0272 0.00199	0.00604 0.00199	0.00724 0.00200			
Toluene		0.0381 0.00199	0.00776 0.00199	0.00958 0.00200			
Ethylbenzene		<0.00199 0.00199	<0.00199 0.00199	<0.00200 0.00200			
m,p-Xylenes		<0.00398 0.00398	<0.00398 0.00398	<0.00399 0.00399			
o-Xylene		<0.00199 0.00199	<0.00199 0.00199	<0.00200 0.00200			
Total Xylenes		<0.00199 0.00199	<0.00199 0.00199	<0.00200 0.00200			
Total BTEX		0.0653 0.00199	0.0138 0.00199	0.0168 0.00200			
Chloride by EPA 300	Extracted:	10.12.2020 16:20	10.12.2020 16:20	10.12.2020 16:20			
	Analyzed:	10.12.2020 20:37	10.12.2020 20:43	10.12.2020 20:48			
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL			
Chloride		312 4.96	193 5.00	64.6 5.02			
TPH By SW8015 Mod	Extracted:	10.13.2020 12:00	10.13.2020 12:00	10.13.2020 12:00			
	Analyzed:	10.13.2020 15:57	10.13.2020 16:55	10.13.2020 17:14			
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL			
Gasoline Range Hydrocarbons (GRO)		<50.0 50.0	<49.9 49.9	<49.9 49.9			
Diesel Range Organics (DRO)		<50.0 50.0	<49.9 49.9	<49.9 49.9			
Motor Oil Range Hydrocarbons (MRO)		<50.0 50.0	<49.9 49.9	<49.9 49.9			
Total TPH		<50.0 50.0	<49.9 49.9	<49.9 49.9			

BRL - Below Reporting Limit

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

Analytical Report 674859

for

Trinity Oilfield Services & Rentals, LLC

Project Manager: Ben Arguijo

Vortec 22 #1 Battery

10.14.2020

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)



10.14.2020

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

Reference: Eurofins Xenco, LLC Report No(s): **674859**
Vortec 22 #1 Battery
Project Address: Eddy County, New Mexico

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) 674859. 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. 674859 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,

A handwritten signature in black ink that reads "Holly Taylor".

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 674859****Trinity Oilfield Services & Rentals, LLC, Hobbs, NM**

Vortec 22 #1 Battery

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
GA-15 N.Wall Composite	S	10.05.2020 10:05		674859-001
GA-20 E.Wall Composite	S	10.05.2020 10:10		674859-002
GA-68 S.Wall Composite	S	10.05.2020 10:00		674859-003



CASE NARRATIVE

Client Name: Trinity Oilfield Services & Rentals, LLC

Project Name: Vortec 22 #1 Battery

Project ID:
Work Order Number(s): 674859

Report Date: 10.14.2020
Date Received: 10.12.2020

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3139505 BTEX by EPA 8021B

Due to misinjection, MSD was not reportable. BKS & BSD were within range, therefore data was accepted.

Batch: LBA-3139655 TPH By SW8015 Mod

Diesel Range Organics (DRO) RPD was outside laboratory control limits.

Samples in the analytical batch are: 674859-001, -002, -003



Certificate of Analytical Results 674859

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-15 N.Wall Composite**

Matrix: Soil

Date Received: 10.12.2020 09:33

Lab Sample Id: 674859-001

Date Collected: 10.05.2020 10:05

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: SPC

Analyst: SPC

Date Prep: 10.12.2020 16:20

% Moisture:

Seq Number: 3139512

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	312	4.96	mg/kg	10.12.2020 20:37		1

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: ARM

Date Prep: 10.13.2020 12:00

% Moisture:

Seq Number: 3139655

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	10.13.2020 15:57	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	10.13.2020 15:57	UF	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	10.13.2020 15:57	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	10.13.2020 15:57	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	93	%	70-130	10.13.2020 15:57	
o-Terphenyl	84-15-1	101	%	70-130	10.13.2020 15:57	



Certificate of Analytical Results 674859

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-15 N.Wall Composite**

Matrix: Soil

Date Received: 10.12.2020 09:33

Lab Sample Id: 674859-001

Date Collected: 10.05.2020 10:05

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: KTL

Analyst: KTL

Date Prep: 10.12.2020 16:15

% Moisture:

Seq Number: 3139505

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	0.0272	0.00199	mg/kg	10.12.2020 18:44		1
Toluene	108-88-3	0.0381	0.00199	mg/kg	10.12.2020 18:44		1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	10.12.2020 18:44	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	10.12.2020 18:44	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	10.12.2020 18:44	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	10.12.2020 18:44	U	1
Total BTEX		0.0653	0.00199	mg/kg	10.12.2020 18:44		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	99	%	70-130	10.12.2020 18:44		
4-Bromofluorobenzene	460-00-4	105	%	70-130	10.12.2020 18:44		



Certificate of Analytical Results 674859

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-20 E.Wall Composite**

Matrix: Soil

Date Received: 10.12.2020 09:33

Lab Sample Id: 674859-002

Date Collected: 10.05.2020 10:10

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: SPC

Analyst: SPC

Date Prep: 10.12.2020 16:20

% Moisture:

Seq Number: 3139512

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	193	5.00	mg/kg	10.12.2020 20:43		1

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: ARM

Date Prep: 10.13.2020 12:00

% Moisture:

Seq Number: 3139655

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	10.13.2020 16:55	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	10.13.2020 16:55	UF	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	10.13.2020 16:55	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	10.13.2020 16:55	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	90	%	70-130	10.13.2020 16:55		
o-Terphenyl	84-15-1	98	%	70-130	10.13.2020 16:55		



Certificate of Analytical Results 674859

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-20 E.Wall Composite**

Matrix: Soil

Date Received: 10.12.2020 09:33

Lab Sample Id: 674859-002

Date Collected: 10.05.2020 10:10

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: KTL

Analyst: KTL

Date Prep: 10.12.2020 16:15

% Moisture:

Seq Number: 3139505

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	0.00604	0.00199	mg/kg	10.12.2020 19:04		1
Toluene	108-88-3	0.00776	0.00199	mg/kg	10.12.2020 19:04		1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	10.12.2020 19:04	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	10.12.2020 19:04	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	10.12.2020 19:04	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	10.12.2020 19:04	U	1
Total BTEX		0.0138	0.00199	mg/kg	10.12.2020 19:04		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	100	%	70-130	10.12.2020 19:04		
4-Bromofluorobenzene	460-00-4	110	%	70-130	10.12.2020 19:04		



Certificate of Analytical Results 674859

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-68 S.Wall Composite**

Matrix: Soil

Date Received: 10.12.2020 09:33

Lab Sample Id: 674859-003

Date Collected: 10.05.2020 10:00

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: SPC

Analyst: SPC

Date Prep: 10.12.2020 16:20

% Moisture:

Seq Number: 3139512

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	64.6	5.02	mg/kg	10.12.2020 20:48		1

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: ARM

Date Prep: 10.13.2020 12:00

% Moisture:

Seq Number: 3139655

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	10.13.2020 17:14	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	10.13.2020 17:14	UF	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	10.13.2020 17:14	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	10.13.2020 17:14	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	91	%	70-130	10.13.2020 17:14		
o-Terphenyl	84-15-1	100	%	70-130	10.13.2020 17:14		



Certificate of Analytical Results 674859

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-68 S.Wall Composite**

Matrix: Soil

Date Received: 10.12.2020 09:33

Lab Sample Id: 674859-003

Date Collected: 10.05.2020 10:00

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: KTL

Analyst: KTL

Date Prep: 10.12.2020 16:15

% Moisture:

Seq Number: 3139505

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	0.00724	0.00200	mg/kg	10.12.2020 19:25		1
Toluene	108-88-3	0.00958	0.00200	mg/kg	10.12.2020 19:25		1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	10.12.2020 19:25	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	10.12.2020 19:25	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	10.12.2020 19:25	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	10.12.2020 19:25	U	1
Total BTEX		0.0168	0.00200	mg/kg	10.12.2020 19:25		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	108	%	70-130	10.12.2020 19:25		
1,4-Difluorobenzene	540-36-3	100	%	70-130	10.12.2020 19:25		

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

Vortec 22 #1 Battery

Analytical Method: Chloride by EPA 300

Seq Number: 3139512

MB Sample Id: 7713102-1-BLK

Matrix: Solid

LCS Sample Id: 7713102-1-BKS

Prep Method: E300P

Date Prep: 10.12.2020

LCSD Sample Id: 7713102-1-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	273	109	273	109	90-110	0	20	mg/kg	10.12.2020 19:34	

Analytical Method: Chloride by EPA 300

Seq Number: 3139512

Parent Sample Id: 674824-016

Matrix: Soil

MS Sample Id: 674824-016 S

Prep Method: E300P

Date Prep: 10.12.2020

MSD Sample Id: 674824-016 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	16.3	250	286	108	280	105	90-110	2	20	mg/kg	10.12.2020 19:50	

Analytical Method: Chloride by EPA 300

Seq Number: 3139512

Parent Sample Id: 674875-002

Matrix: Soil

MS Sample Id: 674875-002 S

Prep Method: E300P

Date Prep: 10.12.2020

MSD Sample Id: 674875-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	1700	1260	3050	107	3060	108	90-110	0	20	mg/kg	10.12.2020 21:04	

Analytical Method: TPH By SW8015 Mod

Seq Number: 3139655

MB Sample Id: 7713206-1-BLK

Matrix: Solid

LCS Sample Id: 7713206-1-BKS

Prep Method: SW8015P

Date Prep: 10.13.2020

LCSD Sample Id: 7713206-1-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	814	81	982	98	70-130	19	20	mg/kg	10.13.2020 14:59	
Diesel Range Organics (DRO)	<50.0	1000	876	88	1080	108	70-130	21	20	mg/kg	10.13.2020 14:59	F

Surrogate

	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	91		100		123		70-130	%	10.13.2020 14:59
o-Terphenyl	106		105		130		70-130	%	10.13.2020 14:59

Analytical Method: TPH By SW8015 Mod

Seq Number: 3139655

Matrix: Solid

MB Sample Id: 7713206-1-BLK

Prep Method: SW8015P

Date Prep: 10.13.2020

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	10.13.2020 14:40	

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

Vortec 22 #1 Battery

Analytical Method: TPH By SW8015 Mod

Seq Number: 3139655

Parent Sample Id: 674859-001

Matrix: Soil

MS Sample Id: 674859-001 S

Prep Method: SW8015P

Date Prep: 10.13.2020

MSD Sample Id: 674859-001 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)	<49.8	996	785	79	836	84	70-130	6	20	mg/kg	10.13.2020 16:17	
Diesel Range Organics (DRO)	<49.8	996	881	88	932	93	70-130	6	20	mg/kg	10.13.2020 16:17	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	99		103		70-130	%	10.13.2020 16:17
o-Terphenyl	98		100		70-130	%	10.13.2020 16:17

Analytical Method: BTEX by EPA 8021B

Seq Number: 3139505

MB Sample Id: 7713125-1-BLK

Matrix: Solid

LCS Sample Id: 7713125-1-BKS

Prep Method: SW5035A

Date Prep: 10.12.2020

LCSD Sample Id: 7713125-1-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	0.0960	96	0.0889	89	70-130	8	35	mg/kg	10.12.2020 16:02	
Toluene	<0.00200	0.100	0.0949	95	0.0883	88	70-130	7	35	mg/kg	10.12.2020 16:02	
Ethylbenzene	<0.00200	0.100	0.0977	98	0.0927	93	70-130	5	35	mg/kg	10.12.2020 16:02	
m,p-Xylenes	<0.00400	0.200	0.198	99	0.188	94	70-130	5	35	mg/kg	10.12.2020 16:02	
o-Xylene	<0.00200	0.100	0.0988	99	0.0932	93	70-130	6	35	mg/kg	10.12.2020 16:02	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	97		98		98		70-130	%	10.12.2020 16:02
4-Bromofluorobenzene	104		97		99		70-130	%	10.12.2020 16:02

Analytical Method: BTEX by EPA 8021B

Seq Number: 3139505

Parent Sample Id: 674878-001

Matrix: Soil

MS Sample Id: 674878-001 S

Prep Method: SW5035A

Date Prep: 10.12.2020

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	Limits	Units	Analysis Date	Flag
Benzene	<0.00200	0.0998	0.0501	50	70-130	mg/kg	10.12.2020 17:03	X
Toluene	<0.00200	0.0998	0.0482	48	70-130	mg/kg	10.12.2020 17:03	X
Ethylbenzene	0.00179	0.0998	0.0447	43	70-130	mg/kg	10.12.2020 17:03	X
m,p-Xylenes	0.00243	0.200	0.0876	43	70-130	mg/kg	10.12.2020 17:03	X
o-Xylene	0.00275	0.0998	0.0450	42	70-130	mg/kg	10.12.2020 17:03	X

Surrogate	MS %Rec	MS Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	92		70-130	%	10.12.2020 17:03
4-Bromofluorobenzene	109		70-130	%	10.12.2020 17:03

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:

~~674618 JK~~
674859

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Page 1 of 1

Project Manager:	Ben J. Arguijo	Bill to: (if different)	Wade Dittrich
Company Name:	Trinity Oilfield Services & Rentals, LLC	Company Name:	OXY USA, Inc.
Address:	8426 N. Dal Paso	Address:	
City, State ZIP:	Hobbs, NM 88242	City, State ZIP:	
Phone:	(575)390-7208	Email:	Wade.Dittrich@oxy.com & ben@trinityoilfieldservices.com

Work Order Comments		
Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐		
State of Project:		
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐		
Deliverables: EDD ☐	ADaPT ☐	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 Tl 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 Tl 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.

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		10/19/2010			10/12/20
					933

ORIGIN ID: H0BA (b) (5) 352-1000

MAIL SERVICES ETC
4000 N GRIMES

HOBBS, NM 88240
UNITED STATES US

SHIP DATE: 09OCT20
ACTWGT: 13.00 LB MAN
CAD: 0103352/CAFE3313
DIMS: 18x16x13 IN

BILL RECIPIENT

TO XENCO HOLD FOR PICKUP
FEDEX OFFICE PRINT & SHIP CENTER
FEDEX OFFICE PRINT & SHIP CENTER
200 W INTERSTATE 20

MIDLAND TX 79701

(432) 704-5440

REF:

DEPT:

INV:
PO:



FedEx
Express



J191219862881u

TRK# 9061 5135 1201
0201

41 MAFA

SATURDAY HOLD
PRIORITY OVERNIGHT
HLD
MAFKI
TX-US LBB



Part # 155148-434 FIT EXP 01/21 1*

Eurofins Xenco, LLC

Prelogin/Nonconformance Report- Sample Log-In

Client: Trinity Oilfield Services & Rentals, LLC**Date/ Time Received:** 10.12.2020 09.33.00 AM**Work Order #:** 674859**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: 10.12.2020

Checklist reviewed by:

Holly Taylor

Date: 10.12.2020

Certificate of Analysis Summary 676066

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: Vortec 22 #1 Battery

Project Id:

Date Received in Lab: Mon 10.26.2020 09:45

Contact: Ben Arguijo

Report Date: 10.29.2020 17:25

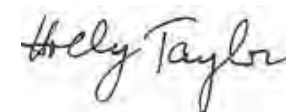
Project Location: Eddy County, New Mexico

Project Manager: Holly Taylor

Analysis Requested	Lab Id:	676066-001	676066-002	676066-003	676066-004		
	Field Id:	GA-13 S. Wall Composite	GA-13 W. Wall Composit	GA-13 Floor Composite	GA-69 Floor Composite		
	Depth:						
	Matrix:	SOIL	SOIL	SOIL	SOIL		
	Sampled:	10.23.2020 10:00	10.23.2020 10:10	10.23.2020 13:10	10.23.2020 10:30		
BTEX by EPA 8021B	Extracted:	10.26.2020 17:00	10.26.2020 17:00	10.26.2020 17:00	10.26.2020 17:00		
	Analyzed:	10.27.2020 08:35	10.27.2020 08:55	10.27.2020 09:16	10.27.2020 09:36		
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL		
Benzene		<0.00199 0.00199	<0.00199 0.00199	<0.00200 0.00200	<0.00201 0.00201		
Toluene		<0.00199 0.00199	<0.00199 0.00199	<0.00200 0.00200	<0.00201 0.00201		
Ethylbenzene		<0.00199 0.00199	<0.00199 0.00199	<0.00200 0.00200	<0.00201 0.00201		
m,p-Xylenes		<0.00398 0.00398	<0.00398 0.00398	<0.00399 0.00399	<0.00402 0.00402		
o-Xylene		<0.00199 0.00199	<0.00199 0.00199	<0.00200 0.00200	<0.00201 0.00201		
Total Xylenes		<0.00199 0.00199	<0.00199 0.00199	<0.00200 0.00200	<0.00201 0.00201		
Total BTEX		<0.00199 0.00199	<0.00199 0.00199	<0.00200 0.00200	<0.00201 0.00201		
Chloride by EPA 300	Extracted:	10.27.2020 14:05	10.27.2020 14:05	10.27.2020 14:05	10.27.2020 14:25		
	Analyzed:	10.27.2020 20:32	10.27.2020 20:38	10.27.2020 20:45	10.28.2020 01:45		
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL		
Chloride		13.9 5.05	12.8 4.96	2670 49.7	23.7 X 4.97		
TPH By SW8015 Mod	Extracted:	10.26.2020 17:00	10.26.2020 17:00	10.26.2020 17:00	10.26.2020 17:00		
	Analyzed:	10.27.2020 00:03	10.27.2020 00:59	10.27.2020 01:17	10.27.2020 01:36		
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL		
Gasoline Range Hydrocarbons (GRO)		<50.0 50.0	<49.9 49.9	<50.0 50.0	<50.0 50.0		
Diesel Range Organics (DRO)		<50.0 50.0	<49.9 49.9	<50.0 50.0	<50.0 50.0		
Motor Oil Range Hydrocarbons (MRO)		<50.0 50.0	<49.9 49.9	<50.0 50.0	<50.0 50.0		
Total TPH		<50.0 50.0	<49.9 49.9	<50.0 50.0	<50.0 50.0		

BRL - Below Reporting Limit

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





Analytical Report 676066

for

Trinity Oilfield Services & Rentals, LLC

Project Manager: Ben Arguijo

Vortec 22 #1 Battery

10.29.2020

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)



10.29.2020

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

Reference: Eurofins Xenco, LLC Report No(s): **676066**
Vortec 22 #1 Battery
Project Address: Eddy County, New Mexico

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) 676066. 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. 676066 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,

A handwritten signature in black ink that reads "Holly Taylor".

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 676066****Trinity Oilfield Services & Rentals, LLC, Hobbs, NM**

Vortec 22 #1 Battery

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
GA-13 S. Wall Composite	S	10.23.2020 10:00		676066-001
GA-13 W. Wall Composite	S	10.23.2020 10:10		676066-002
GA-13 Floor Composite	S	10.23.2020 13:10		676066-003
GA-69 Floor Composite	S	10.23.2020 10:30		676066-004

**CASE NARRATIVE****Client Name: Trinity Oilfield Services & Rentals, LLC****Project Name: Vortec 22 #1 Battery**Project ID:
Work Order Number(s): 676066Report Date: 10.29.2020
Date Received: 10.26.2020**Sample receipt non conformances and comments:****Sample receipt non conformances and comments per sample:**

None

Analytical non conformances and comments:

Batch: LBA-3140636 BTEX by EPA 8021B

Surrogate 4-Bromofluorobenzene recovered below QC limits. Matrix interferences is suspected.

Samples affected are: 675999-001 S.

Batch: LBA-3140774 Chloride by EPA 300

Lab Sample ID 676070-001 was randomly selected for Matrix Spike/Matrix Spike Duplicate (MS/MSD). Chloride recovered above QC limits in the Matrix Spike and Matrix Spike Duplicate. Outlier/s are due to possible matrix interference. Samples in the analytical batch are: 676066-004.

The Laboratory Control Sample for Chloride is within laboratory Control Limits, therefore the data was accepted.



Certificate of Analytical Results 676066

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-13 S. Wall Composite**

Matrix: Soil

Date Received: 10.26.2020 09:45

Lab Sample Id: 676066-001

Date Collected: 10.23.2020 10:00

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: SPC

Analyst: SPC

Date Prep: 10.27.2020 14:05

% Moisture:
Basis: Wet Weight

Seq Number: 3140771

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	13.9	5.05	mg/kg	10.27.2020 20:32		1

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: ARM

Date Prep: 10.26.2020 17:00

% Moisture:
Basis: Wet Weight

Seq Number: 3140678

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	10.27.2020 00:03	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	10.27.2020 00:03	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	10.27.2020 00:03	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	10.27.2020 00:03	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	108	%	70-130	10.27.2020 00:03		
o-Terphenyl	84-15-1	118	%	70-130	10.27.2020 00:03		



Certificate of Analytical Results 676066

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-13 S. Wall Composite**

Matrix: Soil

Date Received: 10.26.2020 09:45

Lab Sample Id: 676066-001

Date Collected: 10.23.2020 10:00

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: KTL

Analyst: KTL

Date Prep: 10.26.2020 17:00

% Moisture:

Seq Number: 3140636

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	10.27.2020 08:35	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	10.27.2020 08:35	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	10.27.2020 08:35	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	10.27.2020 08:35	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	10.27.2020 08:35	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	10.27.2020 08:35	U	1
Total BTEX		<0.00199	0.00199	mg/kg	10.27.2020 08:35	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	97	%	70-130	10.27.2020 08:35		
4-Bromofluorobenzene	460-00-4	104	%	70-130	10.27.2020 08:35		



Certificate of Analytical Results 676066

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-13 W. Wall Composite**

Matrix: Soil

Date Received: 10.26.2020 09:45

Lab Sample Id: 676066-002

Date Collected: 10.23.2020 10:10

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: SPC

Analyst: SPC

Date Prep: 10.27.2020 14:05

% Moisture:

Seq Number: 3140771

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	12.8	4.96	mg/kg	10.27.2020 20:38		1

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: ARM

Date Prep: 10.26.2020 17:00

% Moisture:

Seq Number: 3140678

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	10.27.2020 00:59	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	10.27.2020 00:59	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	10.27.2020 00:59	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	10.27.2020 00:59	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	106	%	70-130	10.27.2020 00:59		
o-Terphenyl	84-15-1	115	%	70-130	10.27.2020 00:59		



Certificate of Analytical Results 676066

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-13 W. Wall Composite**

Matrix: Soil

Date Received: 10.26.2020 09:45

Lab Sample Id: 676066-002

Date Collected: 10.23.2020 10:10

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: KTL

Analyst: KTL

Date Prep: 10.26.2020 17:00

% Moisture:

Seq Number: 3140636

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	10.27.2020 08:55	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	10.27.2020 08:55	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	10.27.2020 08:55	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	10.27.2020 08:55	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	10.27.2020 08:55	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	10.27.2020 08:55	U	1
Total BTEX		<0.00199	0.00199	mg/kg	10.27.2020 08:55	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	102	%	70-130	10.27.2020 08:55		
1,4-Difluorobenzene	540-36-3	99	%	70-130	10.27.2020 08:55		



Certificate of Analytical Results 676066

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-13 Floor Composite**

Matrix: Soil

Date Received: 10.26.2020 09:45

Lab Sample Id: 676066-003

Date Collected: 10.23.2020 13:10

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: SPC

Analyst: SPC

Date Prep: 10.27.2020 14:05

% Moisture:

Seq Number: 3140771

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	2670	49.7	mg/kg	10.27.2020 20:45		10

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: ARM

Date Prep: 10.26.2020 17:00

% Moisture:

Seq Number: 3140678

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	10.27.2020 01:17	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	10.27.2020 01:17	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	10.27.2020 01:17	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	10.27.2020 01:17	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	109	%	70-130	10.27.2020 01:17		
o-Terphenyl	84-15-1	124	%	70-130	10.27.2020 01:17		



Certificate of Analytical Results 676066

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-13 Floor Composite**

Matrix: Soil

Date Received: 10.26.2020 09:45

Lab Sample Id: 676066-003

Date Collected: 10.23.2020 13:10

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: KTL

Analyst: KTL

Date Prep: 10.26.2020 17:00

% Moisture:

Seq Number: 3140636

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	10.27.2020 09:16	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	10.27.2020 09:16	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	10.27.2020 09:16	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	10.27.2020 09:16	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	10.27.2020 09:16	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	10.27.2020 09:16	U	1
Total BTEX		<0.00200	0.00200	mg/kg	10.27.2020 09:16	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	113	%	70-130	10.27.2020 09:16	
1,4-Difluorobenzene	540-36-3	100	%	70-130	10.27.2020 09:16	



Certificate of Analytical Results 676066

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-69 Floor Composite**

Matrix: Soil

Date Received: 10.26.2020 09:45

Lab Sample Id: 676066-004

Date Collected: 10.23.2020 10:30

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: SPC

Analyst: SPC

Date Prep: 10.27.2020 14:25

% Moisture:

Seq Number: 3140774

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	23.7	4.97	mg/kg	10.28.2020 01:45	X	1

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

Analyst: ARM

Date Prep: 10.26.2020 17:00

% Moisture:

Seq Number: 3140678

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	10.27.2020 01:36	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	10.27.2020 01:36	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	10.27.2020 01:36	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	10.27.2020 01:36	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	106	%	70-130	10.27.2020 01:36		
o-Terphenyl	84-15-1	114	%	70-130	10.27.2020 01:36		



Certificate of Analytical Results 676066

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Vortec 22 #1 Battery

Sample Id: **GA-69 Floor Composite**

Matrix: Soil

Date Received: 10.26.2020 09:45

Lab Sample Id: 676066-004

Date Collected: 10.23.2020 10:30

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: KTL

Analyst: KTL

Date Prep: 10.26.2020 17:00

% Moisture:

Seq Number: 3140636

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	10.27.2020 09:36	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	10.27.2020 09:36	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	10.27.2020 09:36	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	10.27.2020 09:36	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	10.27.2020 09:36	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	10.27.2020 09:36	U	1
Total BTEX		<0.00201	0.00201	mg/kg	10.27.2020 09:36	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	108	%	70-130	10.27.2020 09:36		
4-Bromofluorobenzene	460-00-4	109	%	70-130	10.27.2020 09:36		



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

Vortec 22 #1 Battery

Analytical Method: Chloride by EPA 300

Seq Number: 3140771

Matrix: Solid

Prep Method: E300P

Date Prep: 10.27.2020

MB Sample Id: 7714029-1-BLK

LCS Sample Id: 7714029-1-BKS

LCSD Sample Id: 7714029-1-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	263	105	263	105	90-110	0	20	mg/kg	10.27.2020 17:35	

Analytical Method: Chloride by EPA 300

Seq Number: 3140774

Matrix: Solid

Prep Method: E300P

Date Prep: 10.27.2020

MB Sample Id: 7714039-1-BLK

LCS Sample Id: 7714039-1-BKS

LCSD Sample Id: 7714039-1-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	271	108	274	110	90-110	1	20	mg/kg	10.28.2020 01:35	

Analytical Method: Chloride by EPA 300

Seq Number: 3140771

Matrix: Soil

Prep Method: E300P

Date Prep: 10.27.2020

Parent Sample Id: 676002-074

MS Sample Id: 676002-074 S

MSD Sample Id: 676002-074 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	1060	249	1280	88	1280	88	90-110	0	20	mg/kg	10.27.2020 17:55	X

Analytical Method: Chloride by EPA 300

Seq Number: 3140771

Matrix: Soil

Prep Method: E300P

Date Prep: 10.27.2020

Parent Sample Id: 676065-004

MS Sample Id: 676065-004 S

MSD Sample Id: 676065-004 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	24600	12500	38200	109	38300	110	90-110	0	20	mg/kg	10.27.2020 19:26	

Analytical Method: Chloride by EPA 300

Seq Number: 3140774

Matrix: Soil

Prep Method: E300P

Date Prep: 10.27.2020

Parent Sample Id: 676066-004

MS Sample Id: 676066-004 S

MSD Sample Id: 676066-004 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	23.7	249	305	113	302	112	90-110	1	20	mg/kg	10.28.2020 01:50	X

Analytical Method: Chloride by EPA 300

Seq Number: 3140774

Matrix: Soil

Prep Method: E300P

Date Prep: 10.27.2020

Parent Sample Id: 676070-001

MS Sample Id: 676070-001 S

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
Chloride	19.8	250	303	113	306	114	90-110	1	20	mg/kg	10.28.2020 03:04	X

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

Vortec 22 #1 Battery

Analytical Method: TPH By SW8015 Mod

Seq Number: 3140678

Matrix: Solid

Prep Method: SW8015P

Date Prep: 10.26.2020

MB Sample Id: 7713953-1-BLK

LCS Sample Id: 7713953-1-BKS

LCSD Sample Id: 7713953-1-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	888	89	860	86	70-130	3	20	mg/kg	10.26.2020 23:26	
Diesel Range Organics (DRO)	<50.0	1000	952	95	933	93	70-130	2	20	mg/kg	10.26.2020 23:26	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	90		122		109		70-130	%	10.26.2020 23:26
o-Terphenyl	101		125		120		70-130	%	10.26.2020 23:26

Analytical Method: TPH By SW8015 Mod

Seq Number: 3140678

Matrix: Solid

Prep Method: SW8015P

Date Prep: 10.26.2020

MB Sample Id: 7713953-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	10.26.2020 23:07	

Analytical Method: TPH By SW8015 Mod

Seq Number: 3140678

Matrix: Soil

Prep Method: SW8015P

Date Prep: 10.26.2020

Parent Sample Id: 676066-001

MS Sample Id: 676066-001 S

MSD Sample Id: 676066-001 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	917	92	904	90	70-130	1	20	mg/kg	10.27.2020 00:21	
Diesel Range Organics (DRO)	<49.9	997	1010	101	985	99	70-130	3	20	mg/kg	10.27.2020 00:21	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	113		115		70-130	%	10.27.2020 00:21
o-Terphenyl	115		114		70-130	%	10.27.2020 00:21

Analytical Method: BTEX by EPA 8021B

Seq Number: 3140636

Matrix: Solid

Prep Method: SW5035A

Date Prep: 10.26.2020

MB Sample Id: 7713958-1-BLK

LCS Sample Id: 7713958-1-BKS

LCSD Sample Id: 7713958-1-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	0.0916	92	0.0865	87	70-130	6	35	mg/kg	10.26.2020 17:54	
Toluene	<0.00200	0.100	0.0951	95	0.0885	89	70-130	7	35	mg/kg	10.26.2020 17:54	
Ethylbenzene	<0.00200	0.100	0.101	101	0.0981	98	70-130	3	35	mg/kg	10.26.2020 17:54	
m,p-Xylenes	<0.00400	0.200	0.183	92	0.177	89	70-130	3	35	mg/kg	10.26.2020 17:54	
o-Xylene	<0.00200	0.100	0.0956	96	0.0941	94	70-130	2	35	mg/kg	10.26.2020 17:54	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	90		103		102		70-130	%	10.26.2020 17:54
4-Bromofluorobenzene	88		96		101		70-130	%	10.26.2020 17:54

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

Vortec 22 #1 Battery

Analytical Method: BTEX by EPA 8021B

Seq Number: 3140636

Parent Sample Id: 675999-001

Matrix: Soil

MS Sample Id: 675999-001 S

Prep Method: SW5035A

Date Prep: 10.26.2020

MSD Sample Id: 675999-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	0.000597	0.106	0.0385	36	0.0359	33	70-130	7	35	mg/kg	10.26.2020 18:36	X
Toluene	<0.00213	0.106	0.0350	33	0.0398	38	70-130	13	35	mg/kg	10.26.2020 18:36	X
Ethylbenzene	<0.00213	0.106	0.0344	32	0.0406	38	70-130	17	35	mg/kg	10.26.2020 18:36	X
m,p-Xylenes	<0.00426	0.213	0.0588	28	0.0732	35	70-130	22	35	mg/kg	10.26.2020 18:36	X
o-Xylene	<0.00213	0.106	0.0438	41	0.0447	42	70-130	2	35	mg/kg	10.26.2020 18:36	X

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	86		100		70-130	%	10.26.2020 18:36
4-Bromofluorobenzene	54	**	91		70-130	%	10.26.2020 18:36

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

FO

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HOBBS, NM 88240
UNITED STATES US

BILL RECIPIENT

TO XENCO HOLD FOR PICKUP
FEDEX OFFICE PRINT & SHIP CENTER
FEDEX OFFICE PRINT & SHIP CENTER
200 W INTERSTATE 20

MIDLAND TX 79701

(432) 704-5440

INV:

PO:

REF:

DEPT:



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Express



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TRK# 9061 5135 1999
0201

SATURDAY HOLD
PRIORITY OVERNIGHT

41 MAFA

HLD
MAFKI
TX-US LBB



Form 150143-434 RIT EXP 01/21

Eurofins Xenco, LLC

Prelogin/Nonconformance Report- Sample Log-In

Client: Trinity Oilfield Services & Rentals, LLC

Date/ Time Received: 10.26.2020 09.45.00 AM

Work Order #: 676066

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)?	2.1
#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 BTEX was in bulk container
#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



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

October 11, 2023

DAN DUNKELBERG

TRINITY OILFIELD SERVICES & RENTALS, LLC

P. O. BOX 2587

HOBBS, NM 88241

RE: VORTEC 22 1 CTB

Enclosed are the results of analyses for samples received by the laboratory on 10/06/23 12:32.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 10/06/2023
 Reported: 10/11/2023
 Project Name: VORTEC 22 1 CTB
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 10/05/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: DH-001.0-01.0-P (H235464-01)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/09/2023	ND	2.10	105	2.00	1.08	
Toluene*	<0.050	0.050	10/09/2023	ND	1.96	98.2	2.00	1.66	
Ethylbenzene*	<0.050	0.050	10/09/2023	ND	1.96	98.2	2.00	1.95	
Total Xylenes*	<0.150	0.150	10/09/2023	ND	6.04	101	6.00	1.53	
Total BTEX	<0.300	0.300	10/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/09/2023	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/09/2023	ND	206	103	200	4.77	
DRO >C10-C28*	<10.0	10.0	10/09/2023	ND	220	110	200	5.85	
EXT DRO >C28-C36	<10.0	10.0	10/09/2023	ND					

Surrogate: 1-Chlorooctane 91.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/06/2023
 Reported: 10/11/2023
 Project Name: VORTEC 22 1 CTB
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 10/05/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: DH-002.0-01.0-P (H235464-02)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/09/2023	ND	2.10	105	2.00	1.08		
Toluene*	<0.050	0.050	10/09/2023	ND	1.96	98.2	2.00	1.66		
Ethylbenzene*	<0.050	0.050	10/09/2023	ND	1.96	98.2	2.00	1.95		
Total Xylenes*	<0.150	0.150	10/09/2023	ND	6.04	101	6.00	1.53		
Total BTEx	<0.300	0.300	10/09/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	10/09/2023	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/09/2023	ND	206	103	200	4.77	
DRO >C10-C28*	<10.0	10.0	10/09/2023	ND	220	110	200	5.85	
EXT DRO >C28-C36	<10.0	10.0	10/09/2023	ND					

Surrogate: 1-Chlorooctane 89.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/06/2023
 Reported: 10/11/2023
 Project Name: VORTEC 22 1 CTB
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 10/05/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: DH-003.0-01.0-P (H235464-03)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/09/2023	ND	2.10	105	2.00	1.08		
Toluene*	<0.050	0.050	10/09/2023	ND	1.96	98.2	2.00	1.66		
Ethylbenzene*	<0.050	0.050	10/09/2023	ND	1.96	98.2	2.00	1.95		
Total Xylenes*	<0.150	0.150	10/09/2023	ND	6.04	101	6.00	1.53		
Total BTEx	<0.300	0.300	10/09/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	10/09/2023	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/09/2023	ND	206	103	200	4.77	
DRO >C10-C28*	<10.0	10.0	10/09/2023	ND	220	110	200	5.85	
EXT DRO >C28-C36	<10.0	10.0	10/09/2023	ND					

Surrogate: 1-Chlorooctane 76.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/06/2023
 Reported: 10/11/2023
 Project Name: VORTEC 22 1 CTB
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 10/05/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: DH-004.0-01.0-P (H235464-04)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/09/2023	ND	2.10	105	2.00	1.08		
Toluene*	<0.050	0.050	10/09/2023	ND	1.96	98.2	2.00	1.66		
Ethylbenzene*	<0.050	0.050	10/09/2023	ND	1.96	98.2	2.00	1.95		
Total Xylenes*	<0.150	0.150	10/09/2023	ND	6.04	101	6.00	1.53		
Total BTEx	<0.300	0.300	10/09/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	10/09/2023	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/09/2023	ND	206	103	200	4.77	
DRO >C10-C28*	<10.0	10.0	10/09/2023	ND	220	110	200	5.85	
EXT DRO >C28-C36	<10.0	10.0	10/09/2023	ND					

Surrogate: 1-Chlorooctane 82.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 10/06/2023
 Reported: 10/11/2023
 Project Name: VORTEC 22 1 CTB
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 10/05/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: DH-005.0-01.0-P (H235464-05)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/09/2023	ND	2.10	105	2.00	1.08		
Toluene*	<0.050	0.050	10/09/2023	ND	1.96	98.2	2.00	1.66		
Ethylbenzene*	<0.050	0.050	10/09/2023	ND	1.96	98.2	2.00	1.95		
Total Xylenes*	<0.150	0.150	10/09/2023	ND	6.04	101	6.00	1.53		
Total BTEx	<0.300	0.300	10/09/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	10/09/2023	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/09/2023	ND	206	103	200	4.77	
DRO >C10-C28*	<10.0	10.0	10/09/2023	ND	220	110	200	5.85	
EXT DRO >C28-C36	<10.0	10.0	10/09/2023	ND					

Surrogate: 1-Chlorooctane 84.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 10/06/2023
 Reported: 10/11/2023
 Project Name: VORTEC 22 1 CTB
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 10/05/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: DH-006.0-01.0-P (H235464-06)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/09/2023	ND	2.10	105	2.00	1.08		
Toluene*	<0.050	0.050	10/09/2023	ND	1.96	98.2	2.00	1.66		
Ethylbenzene*	<0.050	0.050	10/09/2023	ND	1.96	98.2	2.00	1.95		
Total Xylenes*	<0.150	0.150	10/09/2023	ND	6.04	101	6.00	1.53		
Total BTEx	<0.300	0.300	10/09/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	10/09/2023	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/09/2023	ND	206	103	200	4.77	
DRO >C10-C28*	<10.0	10.0	10/09/2023	ND	220	110	200	5.85	
EXT DRO >C28-C36	<10.0	10.0	10/09/2023	ND					

Surrogate: 1-Chlorooctane 88.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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Analytical Results For:

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

Received: 10/06/2023
 Reported: 10/11/2023
 Project Name: VORTEC 22 1 CTB
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 10/05/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: DH-007.0-01.0-P (H235464-07)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/09/2023	ND	2.10	105	2.00	1.08		
Toluene*	<0.050	0.050	10/09/2023	ND	1.96	98.2	2.00	1.66		
Ethylbenzene*	<0.050	0.050	10/09/2023	ND	1.96	98.2	2.00	1.95		
Total Xylenes*	<0.150	0.150	10/09/2023	ND	6.04	101	6.00	1.53		
Total BTEX	<0.300	0.300	10/09/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	10/09/2023	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/09/2023	ND	206	103	200	4.77	
DRO >C10-C28*	<10.0	10.0	10/09/2023	ND	220	110	200	5.85	
EXT DRO >C28-C36	<10.0	10.0	10/09/2023	ND					

Surrogate: 1-Chlorooctane 87.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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Analytical Results For:

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

Received: 10/06/2023
 Reported: 10/11/2023
 Project Name: VORTEC 22 1 CTB
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 10/05/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: DH-008.0-01.0-P (H235464-08)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/09/2023	ND	2.10	105	2.00	1.08		
Toluene*	<0.050	0.050	10/09/2023	ND	1.96	98.2	2.00	1.66		
Ethylbenzene*	<0.050	0.050	10/09/2023	ND	1.96	98.2	2.00	1.95		
Total Xylenes*	<0.150	0.150	10/09/2023	ND	6.04	101	6.00	1.53		
Total BTEx	<0.300	0.300	10/09/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	10/10/2023	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/09/2023	ND	206	103	200	4.77	
DRO >C10-C28*	<10.0	10.0	10/09/2023	ND	220	110	200	5.85	
EXT DRO >C28-C36	<10.0	10.0	10/09/2023	ND					

Surrogate: 1-Chlorooctane 85.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.9 % 49.1-148

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Analytical Results For:

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

Received: 10/06/2023
 Reported: 10/11/2023
 Project Name: VORTEC 22 1 CTB
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 10/05/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: DH-009.0-01.0-P (H235464-09)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/09/2023	ND	2.10	105	2.00	1.08		
Toluene*	<0.050	0.050	10/09/2023	ND	1.96	98.2	2.00	1.66		
Ethylbenzene*	<0.050	0.050	10/09/2023	ND	1.96	98.2	2.00	1.95		
Total Xylenes*	<0.150	0.150	10/09/2023	ND	6.04	101	6.00	1.53		
Total BTEx	<0.300	0.300	10/09/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	10/10/2023	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/09/2023	ND	206	103	200	4.77	
DRO >C10-C28*	<10.0	10.0	10/09/2023	ND	220	110	200	5.85	
EXT DRO >C28-C36	<10.0	10.0	10/09/2023	ND					

Surrogate: 1-Chlorooctane 83.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.4 % 49.1-148

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Analytical Results For:

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

Received: 10/06/2023
 Reported: 10/11/2023
 Project Name: VORTEC 22 1 CTB
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 10/05/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: DH-010.0-01.0-P (H235464-10)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/09/2023	ND	2.10	105	2.00	1.08	
Toluene*	<0.050	0.050	10/09/2023	ND	1.96	98.2	2.00	1.66	
Ethylbenzene*	<0.050	0.050	10/09/2023	ND	1.96	98.2	2.00	1.95	
Total Xylenes*	<0.150	0.150	10/09/2023	ND	6.04	101	6.00	1.53	
Total BTEx	<0.300	0.300	10/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	10/10/2023	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/09/2023	ND	206	103	200	4.77	
DRO >C10-C28*	<10.0	10.0	10/09/2023	ND	220	110	200	5.85	
EXT DRO >C28-C36	<10.0	10.0	10/09/2023	ND					

Surrogate: 1-Chlorooctane 86.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.6 % 49.1-148

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Analytical Results For:

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

Received: 10/06/2023
 Reported: 10/11/2023
 Project Name: VORTEC 22 1 CTB
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 10/05/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: DH-011.0-01.0-P (H235464-11)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/09/2023	ND	2.10	105	2.00	1.08		
Toluene*	<0.050	0.050	10/09/2023	ND	1.96	98.2	2.00	1.66		
Ethylbenzene*	<0.050	0.050	10/09/2023	ND	1.96	98.2	2.00	1.95		
Total Xylenes*	<0.150	0.150	10/09/2023	ND	6.04	101	6.00	1.53		
Total BTEx	<0.300	0.300	10/09/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	10/10/2023	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/09/2023	ND	206	103	200	4.77	
DRO >C10-C28*	<10.0	10.0	10/09/2023	ND	220	110	200	5.85	
EXT DRO >C28-C36	<10.0	10.0	10/09/2023	ND					

Surrogate: 1-Chlorooctane 87.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.1 % 49.1-148

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Analytical Results For:

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

Received: 10/06/2023
 Reported: 10/11/2023
 Project Name: VORTEC 22 1 CTB
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 10/05/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CW-001.0-00.3-P (H235464-12)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/09/2023	ND	1.95	97.4	2.00	1.11		
Toluene*	<0.050	0.050	10/09/2023	ND	1.90	95.1	2.00	0.277		
Ethylbenzene*	<0.050	0.050	10/09/2023	ND	1.99	99.5	2.00	0.521		
Total Xylenes*	<0.150	0.150	10/09/2023	ND	6.02	100	6.00	0.597		
Total BTEx	<0.300	0.300	10/09/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.6 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	10/10/2023	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/09/2023	ND	206	103	200	4.77	
DRO >C10-C28*	<10.0	10.0	10/09/2023	ND	220	110	200	5.85	
EXT DRO >C28-C36	<10.0	10.0	10/09/2023	ND					

Surrogate: 1-Chlorooctane 87.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.7 % 49.1-148

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Analytical Results For:

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

Received: 10/06/2023
 Reported: 10/11/2023
 Project Name: VORTEC 22 1 CTB
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 10/05/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CW-002.0-00.5-P (H235464-13)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/09/2023	ND	1.95	97.4	2.00	1.11		
Toluene*	<0.050	0.050	10/09/2023	ND	1.90	95.1	2.00	0.277		
Ethylbenzene*	<0.050	0.050	10/09/2023	ND	1.99	99.5	2.00	0.521		
Total Xylenes*	<0.150	0.150	10/09/2023	ND	6.02	100	6.00	0.597		
Total BTEx	<0.300	0.300	10/09/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	10/10/2023	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/09/2023	ND	206	103	200	4.77	
DRO >C10-C28*	<10.0	10.0	10/09/2023	ND	220	110	200	5.85	
EXT DRO >C28-C36	<10.0	10.0	10/09/2023	ND					

Surrogate: 1-Chlorooctane 91.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager

[illegible]

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District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
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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 283512

CONDITIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 283512
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
amaxwell	Release closure approved	11/20/2023
amaxwell	Additionally, this release is subject to 19.15.29.13. The incident will remain open until final remediation and reclamation in accordance with 19.15.29.13 has occurred once what site is no longer being used for oil and gas operations.	11/20/2023