

Incident ID	nAPP2109649049
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.

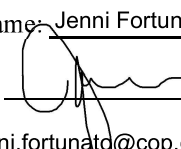
Closure Report Attachment Checklist: *Each of the following items must be included in the closure report.*

- ☒ 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: Jenni Fortunato

Title: Program Manager, Remediation

Signature: 

Date: 3/4/22

email: jenni.fortunato@cop.com

Telephone: 832-486-2477

OCD Only

Received by: Chad Hensley

Date: 03/21/2022

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: 03/21/2022

Printed Name: Chad Hensley

Title: Environmental Specialist Advanced



March 4, 2022

District Supervisor
Oil Conservation Division, District 1
1625 North French Drive
Hobbs, New Mexico 88240

**Re: Closure Report
ConocoPhillips
Wilder Pipeline Manifold Release
Unit Letter B, Section 29, Township 26 South, Range 32 East
Lea County, New Mexico
Incident ID nAPP2109649049**

Dear Sir or Madam:

Tetra Tech, Inc. (Tetra Tech) was contacted by ConocoPhillips (COP) to assess a release that occurred from the manifold of a pipeline which connects the Wilder Central Tank Battery (CTB) to the Mesquite Pipeline. The release occurred approximately 420 feet northeast of the Wilder 29 Federal #330H (API# 30-025-41511) wellhead. The release footprint is located in Public Land Survey System (PLSS) Unit Letter B, Section 29, Township 26 South, Range 32 East, in Lea County, New Mexico (Site). The approximate release point occurred at coordinates 32.020660°, -103.694372°, as shown on Figures 1 and 2.

BACKGROUND

According to the State of New Mexico C-141 Initial Report (Appendix A), the release was discovered on December 11, 2020. The release occurred as the result of a manifold failure located at the surface and encompasses an area of approximately 7000 square feet according to the spill calculator. Approximately 176 barrels (bbls) of produced water were reported released, of which 7 bbls were recovered. The C-141 report form was submitted to the New Mexico Oil Conservation Division (NMOCD) on December 14, 2020; however, the C-141 was not processed upon receipt. Ultimately, the NMOCD processed the initial C-141 on April 6, 2021 and assigned the Site incident ID nAPP2109649049.

SITE CHARACTERIZATION

A site characterization was performed and no watercourses, sinkholes, residences, schools, hospitals, institutions, churches, springs, private domestic water wells, springs, playa lakes, wetlands, incorporated municipal boundaries, subsurface mines, or floodplains are located within the distances specified in 19.15.29 New Mexico Administrative Code (NMAC). The Site is in an area of high karst potential.

According to the New Mexico Office of the State Engineers (NMOSE) reporting system, there are no wells within a ½ mile (800 meters) of the Site. The nearest water wells with depth to water data are approximately 1,178 meters from the Site, in the Public Land Survey System (PLSS) Section 21, Township 26 South, and Range 32 East with an average depth to groundwater at 327 feet below ground surface (bgs). The site characterization data is included in Appendix B.

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REGULATORY FRAMEWORK

Based upon the release footprint and in accordance with Subsection E of 19.15.29.12 NMAC, per 19.15.29.11 NMAC, the site characterization data was used to determine recommended remedial action levels (RRALs) for benzene, toluene, ethylbenzene, and xylene (collectively referred to as BTEX), total petroleum hydrocarbons (TPH), and chlorides in soil.

Based on the site characterization and the high karst, the remediation RRALs for the Site are as follows:

Constituent	Site RRAL
Chloride	600 mg/kg
TPH	100 mg/kg
BTEX	50 mg/kg
Benzene	10 mg/kg

SITE ASSESSMENT AND SAMPLING RESULTS

On December 29, 2020, Tetra Tech personnel conducted soil sampling in an attempt to horizontally and vertically delineate the release extent. A total of thirteen (13) borings were installed using a hand auger. Two (2) hand auger borings (AH-1 and AH-2) were installed within the release extent to a depth of 5 feet bgs. These vertical borings were limited at depth by auger refusal in the loose subsurface sands. Eleven (11) hand auger borings (H-1 through H-11) were installed outside the perimeter of the release extent footprint to a depth of 3 feet bgs to establish horizontal delineation.

A total of thirty-two (32) samples were collected from the thirteen (13) borings and submitted to Pace Analytical Laboratory to be analyzed for chloride via EPA Method 300.0, TPH via EPA Method 8015M and BTEX via EPA Method 8021B. Boring locations are shown in Figure 3.

Results from the December 2020 soil sampling event are summarized in Table 1. Analytical results associated with vertical boring locations AH-1 and AH-2 exceeded the Site RRAL for chloride of 600 mg/kg at all sample depth intervals down to the terminal depth of 5 feet bgs. Additionally, analytical results associated with boring location H-11 (located north of the release point) exceeded the Site RRAL for chloride at both intervals tested, 0-1 feet and 2-3 feet. Analytical results associated with boring location H-10 exceeded the chloride RRAL in the 2–3-foot interval, but not the 0–1-foot interval.

ADDITIONAL SITE DELINEATION AND SAMPLING RESULTS

Based on the results of the December 2020 site assessment activities, delineation of the release was determined to be incomplete. Complete delineation required additional soil sampling north of H-10 and H-11 to complete horizontal delineation and soil sampling from a greater depth near AH-1 and AH-2 to complete vertical delineation.

On January 19, 2021, Tetra Tech personnel conducted additional soil sampling to complete delineation of the release extent. Two (2) borings (BH-1 and BH-2) were installed within the release extent using an air rotary drill rig to a depth of 55 feet bgs. As groundwater was not encountered when borings BH-1 and BH-2 were installed to 55 feet bgs, COP considers that the depth to water at this Site is established as greater than 50 feet bgs. Two (2) hand auger borings (H-12 and H-13) were installed north of H-10 and H-11 to a depth of 5 feet bgs.

A total of twenty-six (26) samples were collected from the four (4) borings and submitted to Pace Analytical Laboratory to be analyzed for chloride via EPA Method 300.0, TPH via EPA Method 8015M and BTEX via EPA Method 8021B. Sample locations are shown in Figure 3.

Results from the January 2021 soil sampling event are summarized in Table 2. Analytical results associated with vertical boring locations BH-1 and BH-2 exceeded the Site RRAL for chloride of 600 mg/kg at sample

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March 4, 2022

ConocoPhillips

depth intervals down to 10 feet bgs and 15 feet bgs, respectively. Additionally, analytical results associated with boring BH-2 exceeded the Site RRAL for TPH of 100 mg/kg at the 0-1-foot sample depth interval. All other analytical results were below Site RRALs.

REMEDATION WORK PLAN AND ALTERNATIVE CONFIRMATION SAMPLING PLAN

The Release Characterization Work Plan (Work Plan) was prepared by Tetra Tech on behalf of COP and submitted to NMOCD on July 14, 2021 with fee application payment PO Number UC13F-210714-C-1410. The Work Plan described the results of the release assessment and provided characterization of the impact at the site. The Work Plan included a variance to leave impacted soils (with concentrations greater than those specified in Table 1) located below four (4) feet bgs in place. The variance was based on the fact that contamination is fully delineated, groundwater in this area is determined to be below 50 feet bgs (and likely below 200 feet bgs), and the release footprint is located in areas immediately under or around pipelines where any further excavation past 4 feet bgs could cause a major facility deconstruction, and/or additional unwanted impact to the environment.

The Work Plan was approved via email by Chad Hensley on Tuesday, July 27, 2021 (Appendix C) with the following conditions:

- *"The release is considered to be in the pasture and doesn't qualify for deferment. However a variance/consideration will be made for some contaminants left around high pressure lines due for safety concerns.*
- *A variance for a liner will be granted from samples points H-8 and up due to the pipeline/pipelines.*
- *This release has occurred in a High Karst area and will need to be remediated to the strictest closure criteria of <50' depth to groundwater from Table 1*
- *The OCD requires more sampling at sample points H-3, H-7, & H-8 to a depth of 5ft bgs.*
- *From H-7 please remediate to a depth of 10 ft bgs. and from H-8 going away from the point of release please remediate to table 1 criteria.*
- *The OCD is hesitant to close a release, where contaminants are left in place, due to close proximity to equipment. A hydrovac/shovel would need to be used to remove as much of the contaminants as safely possible.*
- *30 day extension is granted. Closure due 12/17/2021."*

REGULATORY CORRESPONDENCE

Based on conversations with Mr. Hensley concerning the above conditions, Tetra Tech agreed to provide the NMOCD with laboratory analytical results (during the course of remedial activities) associated with the confirmation sampling of the remediated area. Once NMOCD was able to review the confirmation sampling results, OCD would determine if the remedial activities were sufficient for closure of the release associated with nAPP2109649049. Thus, during the remediation, OCD (Mr. Hensley) was contacted and provided via email a figure showing the current remediation progress and results of confirmation samples collected from the floor and sidewalls at the Wilder Pipeline Manifold Release (NAPP2109649049) site. Following receipt of this initial round of confirmation sampling results, Mr. Hensley stated that *"Due to the spill being in a high potential karst area the samples taken exceed the OCD's closure criteria and will not meet closure. Please continue to safely delineate to 15 ft and see if we can get the chlorides to an appropriate level."*

The OCD was contacted and to clarify which site-specific cleanup level for chloride would be appropriate within the un-lined proposed excavation area for closure of incident ID nAPP2109649049. The arbitrary value agreed upon in verbal correspondence was 3,000 mg/kg chloride. The initial round results from these floor samples exceeded 3,000 mg/kg, and excavation continued in these areas. The following sections provide more detail.

On Wednesday, December 1, 2021, a Request for Approval of the Remediation Work Plan was sent to the Bureau of Land Management (BLM). The Work Plan was approved via email by Shelly Tucker of the BLM on Friday, December 3, 2021.

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March 4, 2022

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On behalf of COP, Tetra Tech requested a 60-day extension (until February 16, 2022) to complete the Remediation and associated closure reporting for the nAPP2109649049 release. The request was approved via email by Robert Hamlet of the NMOCD on December 21, 2021. The OCD was notified via email of confirmation sampling on December 10, 2021. This notification email, along with BLM and NMOCD email correspondence mentioned above, is included in Appendix C. A recent request for additional time to complete reporting was denied by Mr. Hamlet on March 3, 2022.

REMEDATION ACTIVITIES AND CONFIRMATION SAMPLING

From December 7, 2021 to February 8, 2022, Tetra Tech personnel were onsite to supervise the remediation activities, including excavation, disposal, and confirmation sampling. Impacted soils were excavated until a representative sample from the walls and bottom of the excavation had a field screening value inferred as lower than the RRALs for the Site. Once field screening was completed, confirmation floor and sidewall samples were collected for laboratory analysis to verify that the impacted materials were properly removed. Each confirmation sample laboratory analytical result was directly compared to the proposed RRALs to demonstrate compliance.

Per the approved Alternative Confirmation Sampling Plan, confirmation samples were collected such that each discrete sample (sidewall and floor) were representative of no more than 500 square feet of excavated area. A total of thirty-six (36) floor sample locations and sixty-one (61) sidewall sample locations were used during the remedial activities. Confirmation sidewall sample locations were categorized with the cardinal direction (N, E, S, W) followed by SW-#. Confirmation central sidewall sample locations were designated as CSW-#. Confirmation floor sample locations were labeled with "FS"-#. Confirmation samples in the vicinity of H-3, H-7, & H-8 were collected at a depth of 4 to 5' bgs, as requested in the WP. Excavated areas, depths and confirmation sample locations are shown in Figure 4A and 4B.

Iterative confirmation samples were located to encompass the original sample locations that triggered removal (nomenclature defined in Table 3) post-additional excavation. For floor samples, the parentheses indicate the excavation floor depth from which the sample was collected.

Collected confirmation samples to be submitted for analysis were placed into laboratory-provided sample containers, transferred under chain-of-custody, and analyzed within appropriate holding times by Cardinal Laboratories in Hobbs, New Mexico. The soil samples were analyzed for TPH (GRO, DRO and ORO) by EPA Method 8015M, BTEX by EPA Method 8021B, and chlorides by SM4500Cl-B. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix D.

As mentioned, the initial round of confirmation soil sampling and field screening values indicated elevated concentrations of chloride below the proposed excavation depths from the Work Plan and those described in the approval conditions. The areas of the excavation associated with the floor sample locations exhibiting chloride concentrations above 3,000 mg/kg were expanded and/or deepened. Once the impacted soil was presumed to have been removed from the remediated areas in the vicinity of confirmation sample location FS-27 through FS-31, iterative confirmation sampling was conducted. Soils were screened at 15' bgs in this area, and the field screening results indicated that the floors from the 15' interval would exceed the site-specific cleanup level for chloride. These areas were then deepened to 20' bgs. On January 6, Chad Hensley of the OCD was again contacted and provided a figure and table showing the current remediation progress and confirmation samples collected. After review, Chad stated *"I am good with this. Let's wrap this one up. Please send me a closure report."* Correspondence is included in Appendix C.

Based on laboratory analytical results and OCD correspondence, the eastern and central portions of the impacted area was excavated to depths ranging from 10 feet to 20 feet below pre-release grade, as indicated in Figures 4A and 4B. The northeastern portion was excavated to 4 feet below pre-release grade. Impacted soil within 4 feet of underground pipelines and production equipment was excavated using hydro excavation technology. The release area in the immediate vicinity of the Wilder Pipeline Manifold could not be feasibly removed without causing structural instability to the critical infrastructure equipment. This exclusion zone is indicated in Figure 4A.

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March 4, 2022

ConocoPhillips

As stipulated in the OCD approval, the northern portion of the release area, along underground pipelines and around production equipment, was excavated to a depth of 4 feet bgs, and a 20 mil. polyethylene liner was installed and properly seated at the base of the excavation. All final confirmation soil samples (floor and sidewall) were below the NMOCD-approved Site RRALs for chloride, BTEX, and TPH with the exceptions of chloride concentrations at sample locations FS-3, FS-13 and FS-14. At these locations, the 20 mil. polyethylene liner was installed to inhibit the downward migration of residual chloride in accordance with the conditional Work Plan approval. After receiving analytical results that were below Site RRALs for TPH and BTEX and 3,000 mg/kg for chloride in the un-lined excavated areas, the release area is considered to have been remediated in accordance with 19.15.29.12 NMAC and applicable OCD directives. The results of the December 2021 and January 2022 confirmation sampling events are summarized in Table 3.

All the excavated material was transported offsite for proper disposal. Approximately 4,916 cubic yards of material were transported to the Northern Delaware Basin Landfill in Jal, New Mexico. Photographs from the excavated areas prior to backfill are provided in Appendix E. Once confirmation sampling activities were completed and associated analytical results were below the RRALs, the excavated areas were backfilled with clean material to surface grade. Copies of the waste manifests are included in Appendix F.

RECLAMATION

As prescribed in the Work Plan, the backfilled pasture areas will be seeded to aid in revegetation. Seeding will be completed in the Spring of 2022. Based on the soils at the site and the approved Work Plan, the New Mexico State Land Office (NMSLO) Sandy Loam (SL) Sites Seed Mixture will be used for seeding and will be planted in the amount specified in the pounds pure live seed (PLS) per acre.

After seeding, site inspections will be performed to assess the revegetation progress and evaluate the site for the presence of primary or secondary noxious weeds. If noxious weeds are identified, the BLM will be contacted to determine an effective method for eradication. If the site does not show revegetation after one growing season, the area will be reseeded as appropriate. As a portion of the remediated areas are being used as vehicular oil and gas operations lease roads and/or pipeline rights-of-way, these backfilled areas were graded to resemble pre-release conditions and reclamation is considered complete.

CONCLUSION

ConocoPhillips respectfully requests closure of this release based on the confirmation sampling results and remediation activities performed. The final C-141 forms are enclosed in Appendix A. If you have any questions concerning the remediation activities for the Site, please call me at (512) 217-7254 or Christian at (512) 338-2861.

Sincerely,
Tetra Tech, Inc.



Ryan C. Dickerson
Project Lead



Christian M. Llull, P.G.
Program Manager

cc:
Mr. Jenni Fortunato, RMR – ConocoPhillips
Mr. Charles Beauvais, GPBU – ConocoPhillips
Ms. Shelly Tucker, BLM

Closure Report
March 4, 2022

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LIST OF ATTACHMENTS

Figures:

- Figure 1 – Overview Map
- Figure 2 – Topographic Map
- Figure 3 – Release Extent and Site Assessment
- Figure 4A – Remediation Extent and Confirmation Sampling Locations
- Figure 4B – Remediation Extent and Confirmation Sampling Locations

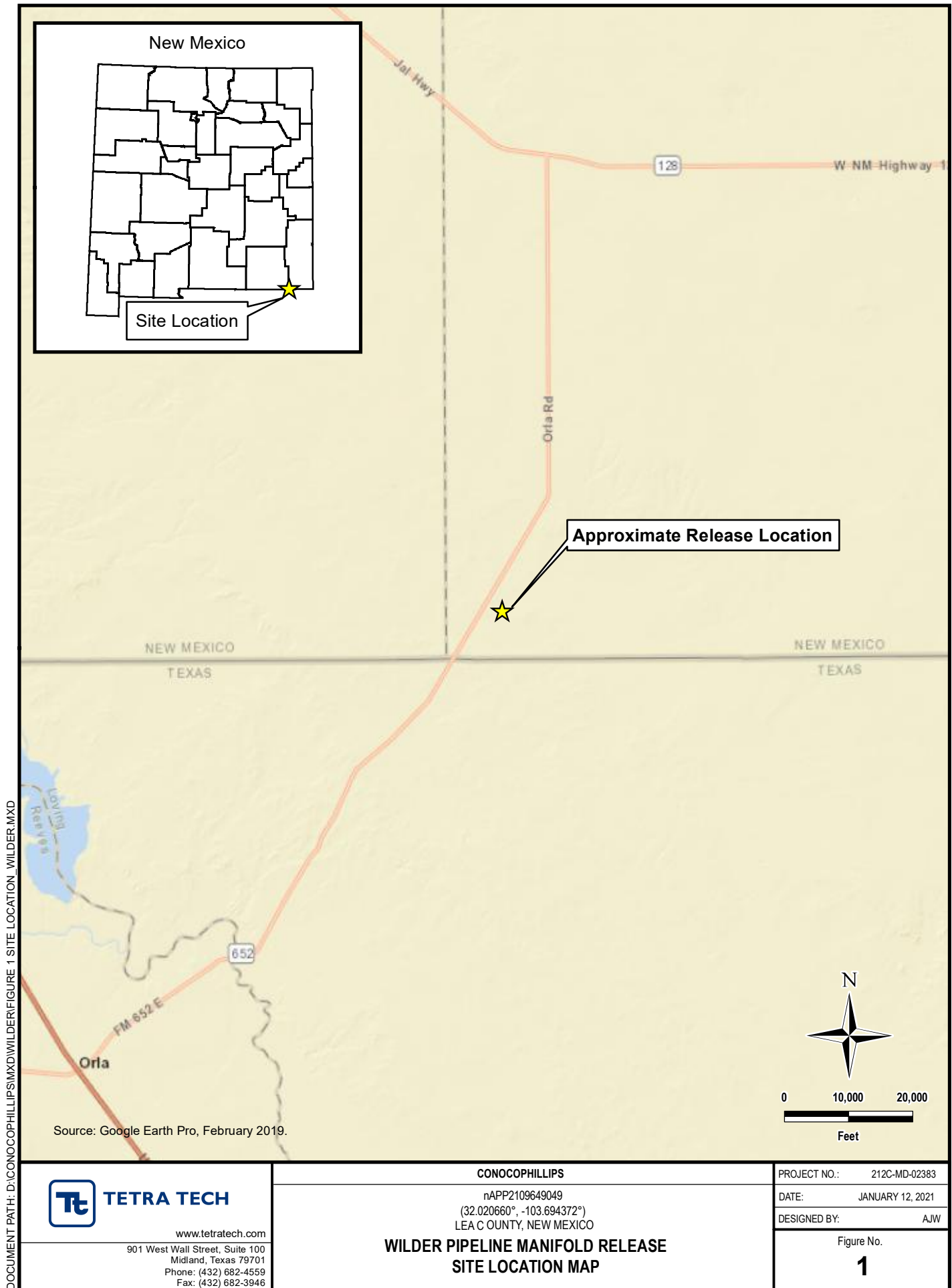
Tables:

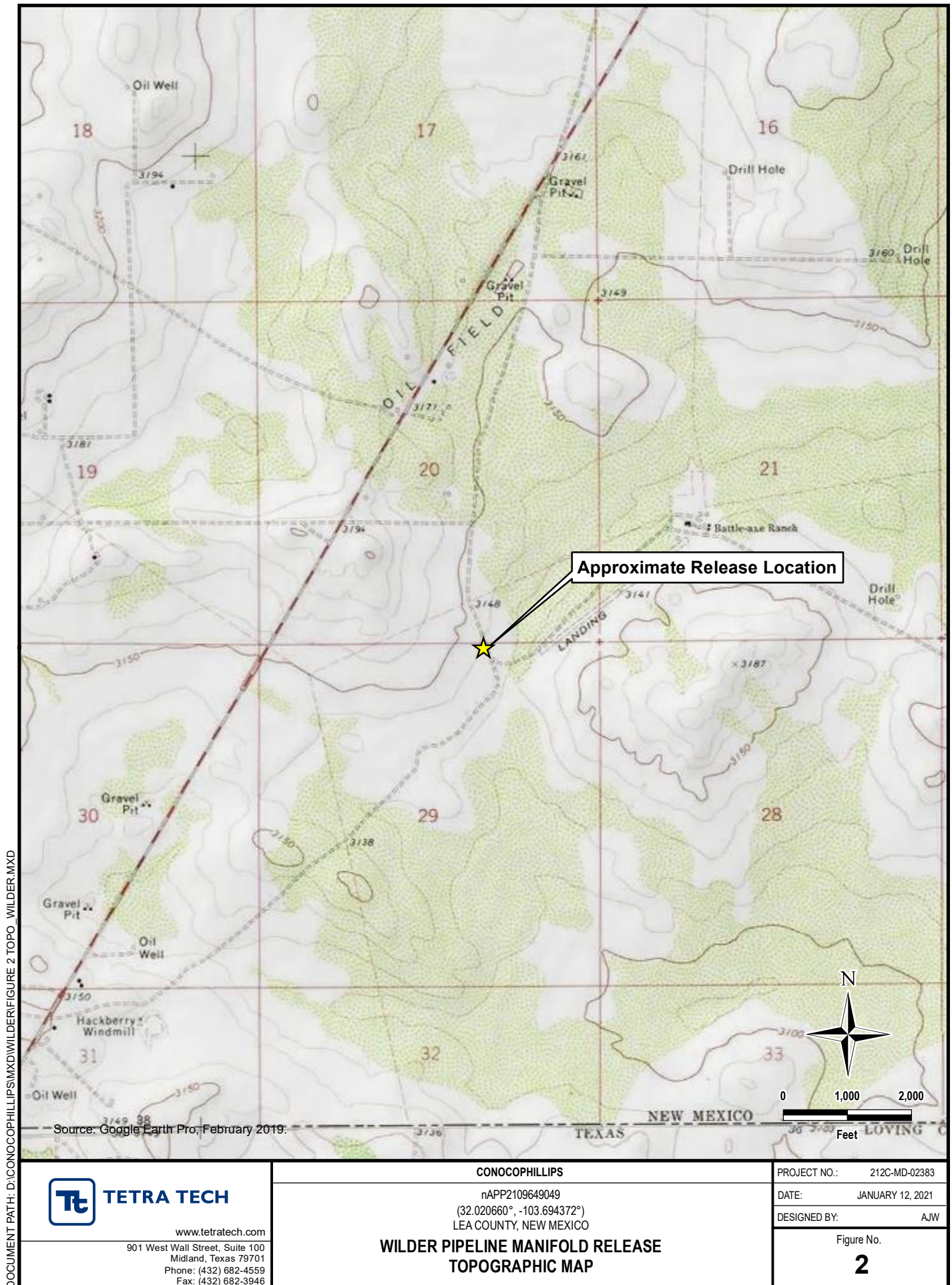
- Table 1 – Summary of Analytical Results – Initial Soil Assessment
- Table 2 – Summary of Analytical Results – Additional Soil Assessment
- Table 3 – Summary of Analytical Results – Soil Remediation

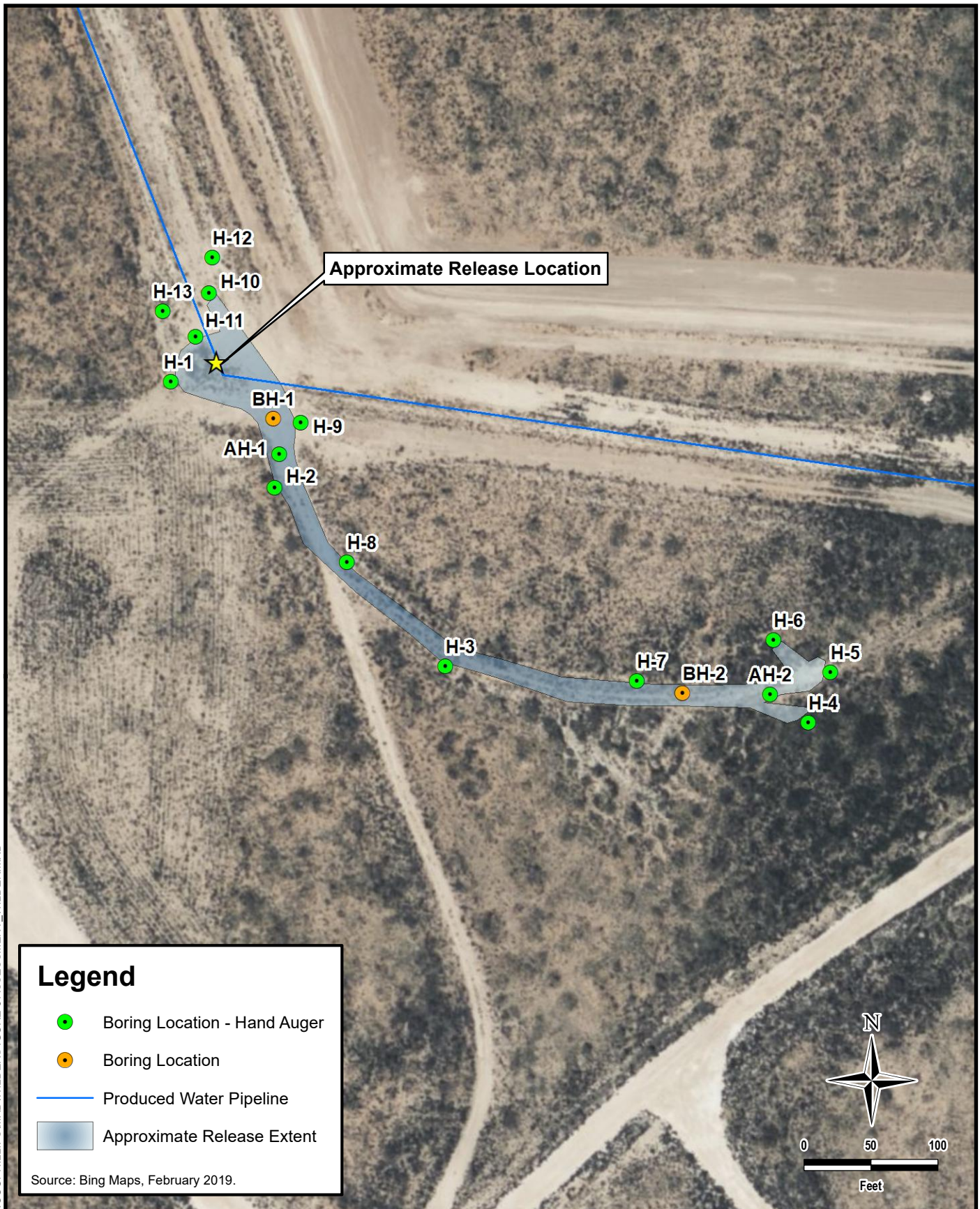
Appendices:

- Appendix A – C-141 Forms
- Appendix B – Site Characterization Data
- Appendix C – Regulatory Correspondence
- Appendix D – Laboratory Analytical Data
- Appendix E – Photographic Documentation
- Appendix F – Waste Manifests

FIGURES







DOCUMENT PATH: D:\CONOCOPHILLIPS\WILDER\FIGURE 3 ASSESSMENT_WILDER.MXD

**TETRA TECH**

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CONOCOPHILLIPS

nAPP2109649049

(32.020660°, -103.694372°)
LEA COUNTY, NEW MEXICO

**WILDER PIPELINE MANIFOLD RELEASE
RELEASE EXTENT AND SITE ASSESSMENT**

PROJECT NO.: 212C-MD-02383

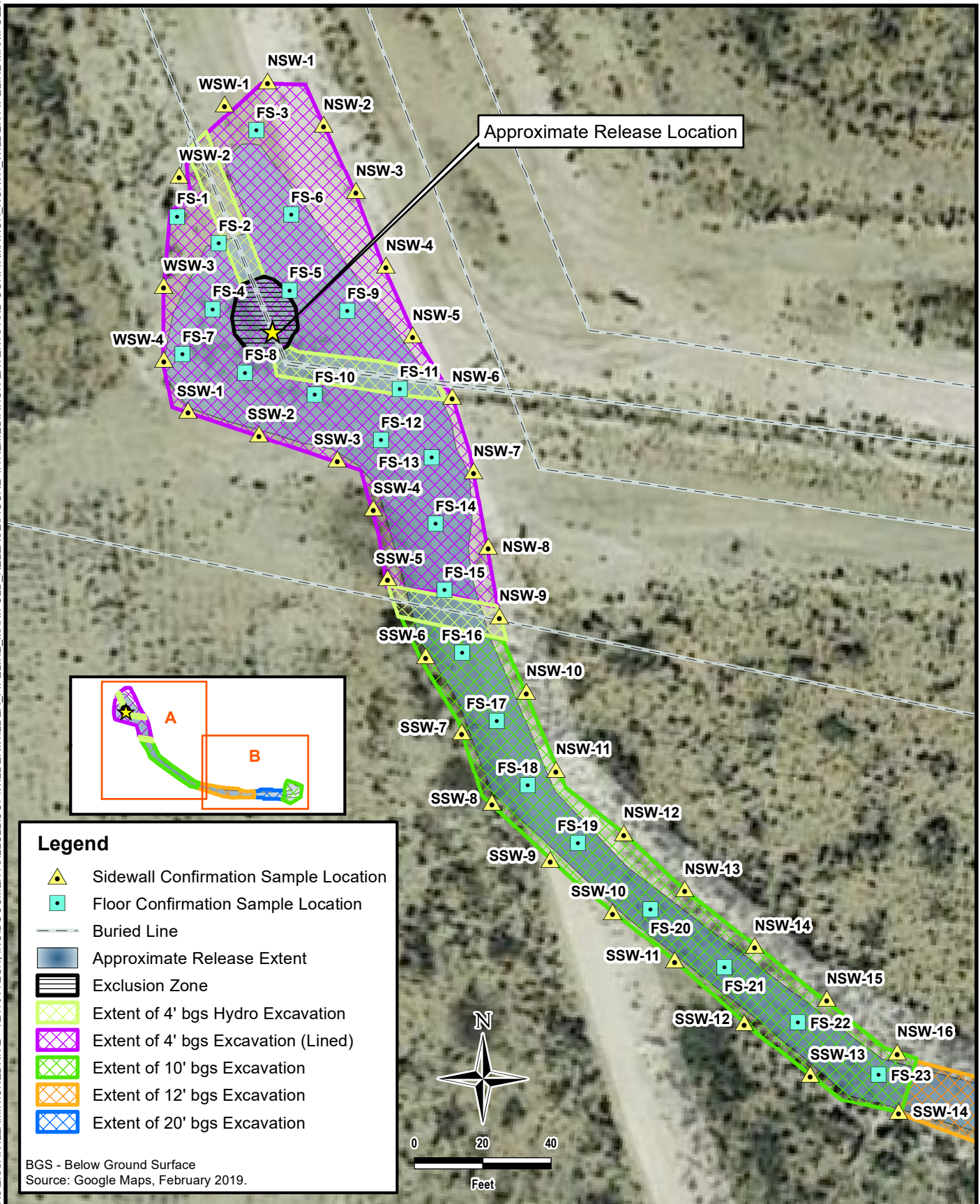
DATE: MARCH 02, 2021

DESIGNED BY: AJW

Figure No.

3

DOCUMENT PATH: C:\USERS\LISSA.VILLAMINON\DRIVE - TETRA TECH\INC\DOCUMENTS\TULLULCORP\WILDER PIPELINE MANIFOLD RELEASE\FIGURE 4A REMEDIATION EXTENTS AND CONFIRMATION SAMPLE LOCATIONS - NORTH - WILDER PIPELINE MANIFOLD.MXD



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NAPP2109649049
(32.020660°, -103.694372°)
LEA COUNTY, NEW MEXICO

**WILDER PIPELINE MANIFOLD RELEASE
REMEDICATION EXTENTS AND CONFIRMATION SAMPLE LOCATIONS - NORTH**

PROJECT NO.: 212C-MD-02383

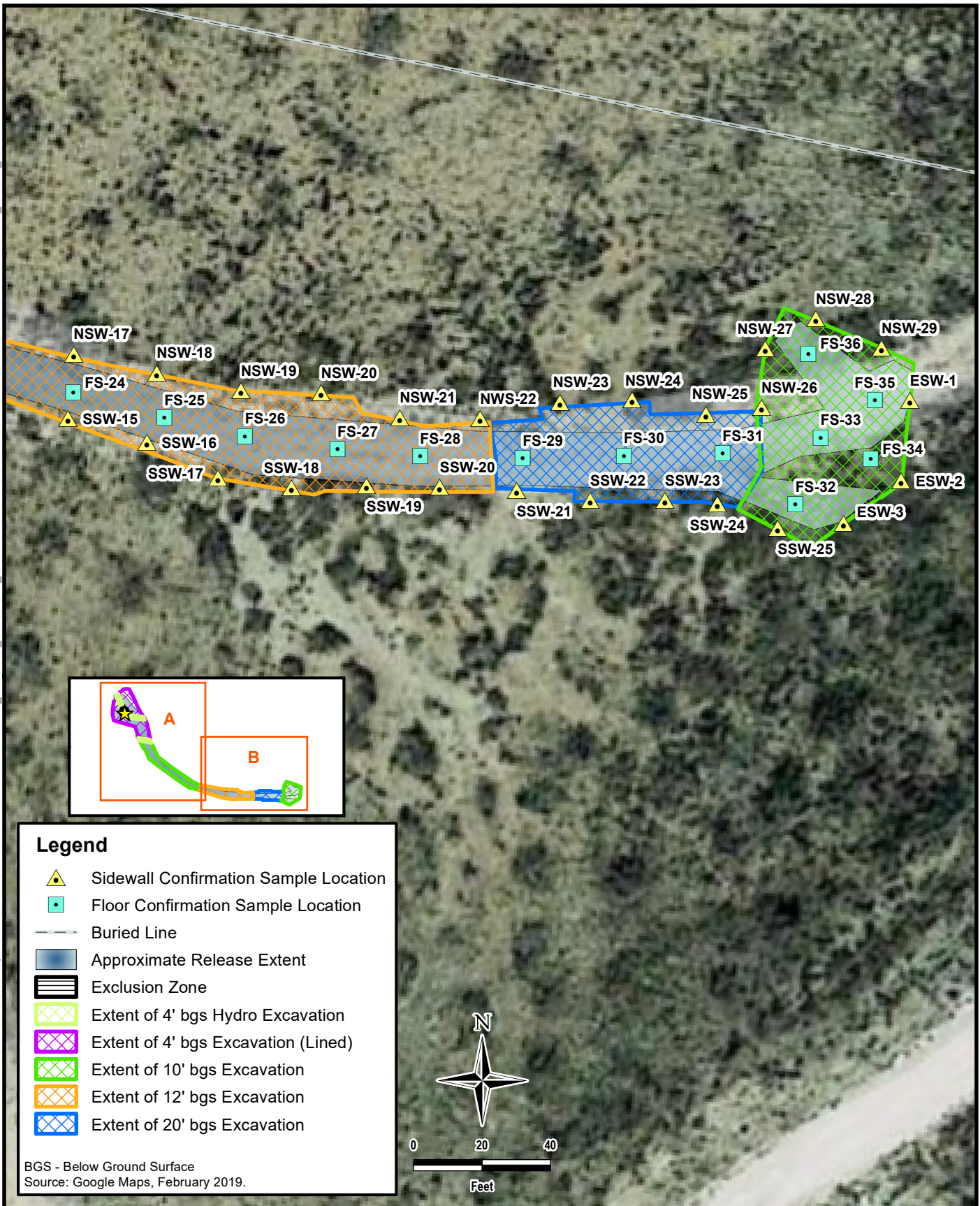
DATE: MARCH 01, 2022

DESIGNED BY: LMV

Figure No.

4A

DOCUMENT PATH: C:\USERS\ISSA.VILLAMINON\DRIVE - TETRA TECH\INC\DOCUMENTS\TULLCOP\WILDER\Pipeline Manifold Release\Figure 4B Remediation Extents and Confirmation Sample Locations - South - Wilder Pipeline Manifold.MXD

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CONOCOPHILLIPS

NAPP2109649049
(32.020660°, -103.694372°)
LEA COUNTY, NEW MEXICO

**WILDER PIPELINE MANIFOLD RELEASE
REMEDATION EXTENTS AND CONFIRMATION SAMPLE LOCATIONS - SOUTH**

PROJECT NO.: 212C-MD-02383

DATE: MARCH 01, 2022

DESIGNED BY: LMV

Figure No.

4B

TABLES

TABLE 1
SUMMARY OF ANALYTICAL RESULTS
SOIL ASSESSMENT
CONOCOPHILLIPS
WILDER PIPELINE MANIFOLD RELEASE
LEA COUNTY, NM

Sample ID	Sample Date	Sample Depth Interval	Field Screening Results		Chloride ¹		BTEx ²										TPH ³						
							Benzene		Toluene		Ethylbenzene		Total Xylenes		Total BTEx	GRO ⁴		DRO		ORO		Total TPH (GRO+DRO+ORO)	
			Chloride	PID	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	mg/kg	Q	mg/kg	Q	C ₂₈ - C ₄₀	mg/kg				
		ft. bgs	ppm		mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	
AH-1	12/29/2020	0-1	7520	0.0	11300		0.00231		<0.00615		<0.00308		0.00151	J	0.00382	0.0592	B J	3.56	J	6.76		10.4	
		1-1.5	8110	0.0	9380		<0.00123		<0.00617		<0.00309		<0.00802		-	0.0591	B J	4.88		6.02		11.0	
		2-3	11900	0.0	5720		<0.00147		<0.00736		<0.00368		<0.00957		-	0.0528	B J	<4.94		1.41	J	1.46	
		3-4	1270	0.0	12800		<0.00133		<0.00665		<0.00332		<0.00864		-	0.0488	B J	<4.66		0.687	J	0.736	
		4-5	> 15000	0.4	5120		<0.00125		<0.00626		<0.00313		<0.00814		-	0.0553	B J	<4.50		1.28	J	1.34	
AH-2	12/29/2020	0-1	7770	0.0	4120		0.00101	J	<0.00781		<0.00390		<0.0101		0.00101	0.0636	B J	<5.12		2.97	J	3.03	
		1-1.5	7910	0.0	6540		<0.00143		<0.00716		<0.00358		<0.00930		-	0.0452	B J	<4.86		0.721	J	0.766	
		2-3	11500	0.0	11700		<0.00158		<0.00791		<0.00395		<0.0103		-	<0.129		<5.16		0.810	J	0.810	
		3-4	10980	0.0	7250		<0.00144		<0.00721		<0.00361		<0.00938		-	0.0458	B J	<4.88		<4.88		0.0458	
		4-5	5570	0.0	8580		<0.00124		<0.00618		<0.00309		<0.00803		-	0.0456	B J	<4.47		<4.47		0.0456	
H-1	12/29/2020	0-1	151	0.0	20.9		<0.00103		<0.00514		<0.00257		<0.00668		-	0.0549	B J	4.29		8.55		12.9	
		2-3	110	0.0	<20.8		<0.00108		<0.00539		<0.00270		<0.00701		-	0.0436	B J	2.07	J	4.15	J	6.26	
H-2	12/29/2020	0-1	81.1	0.0	<20.8		<0.00108		<0.00541		<0.00270		<0.00703		-	0.0370	B J	<4.16		2.01	J	2.05	
		2-3	143	-	<20.9		<0.00109		<0.00545		<0.00273		<0.00709		-	0.0407	B J	<4.18		3.50	J	3.54	
H-3	12/29/2020	0-1	79.4	-	<20.6		<0.00106		<0.00532		<0.00266		<0.00692		-	0.0417	B J	8.40		9.63		18.1	
		2-3	62.1	0.0	<20.8		<0.00108		<0.00540		<0.00270		<0.00702		-	0.0471	B J	<4.16		4.86		4.91	
H-4	12/29/2020	0-1	49.7	0.0	11.6	J	<0.00111		<0.00557		<0.00279		<0.00724		-	<0.106		<4.23	J3 J6	8.30		8.30	
		2-3	88.9	0.0	14.3	J	0.000630	J	<0.00548		<0.00274		<0.00712		0.000630	<0.105		<4.19		8.57		8.57	
H-5	12/29/2020	0-1	42.7	-	<20.2		<0.00102		<0.00509		<0.00255		<0.00662		-	<0.101		2.16	J	5.35		7.51	
		2-3	25.6	0.0	30.3		<0.00118		<0.00592		0.00426		0.00175	J	0.00601	<0.109		<4.37		1.62	J	1.62	
H-6	12/29/2020	0-1	65.6	0.0	21.6	J	<0.00127		<0.00637		<0.00319		<0.00828		-	<0.114		<4.55		4.49	J	4.49	
		2-3	51.1	0.4	<20.9		<0.00110		<0.00548		<0.00274		<0.00712		-	<0.105		<4.19		3.82	J	3.82	
H-7	12/29/2020	0-1	64.5	0.0	53.9		<0.00144		<0.00719		<0.00359		<0.00935		-	<0.122		2.61	J	5.99		8.60	
		2-3	44.4	0.0	45.7		<0.00144		<0.00721		<0.00361		<0.00938		-	<0.122		<4.88		2.66	J	2.66	
H-8	12/29/2020	0-1	72.7	0.0	<20.6		<0.00106		<0.00531		<0.00266		<0.00691		-	<0.103		1.93	J	6.61		8.54	
		2-3	67.5	-	19.4	J	<0.00140		<0.00702		<0.00351		<0.00912		-	<0.120		<4.81		2.16	J	2.16	
H-9	12/29/2020	0-1	72.2	0.0	46.3		<0.00139		<0.00693		<0.00347		<0.00901		-	<0.119		<4.77		0.429	J	0.429	
		2-3	156	0.0	54.1		<0.00132		<0.00662		<0.00331		<0.00861		-	<0.116		<4.65		<4.65		-	
H-10	12/29/2020	0-1	178	0.0	76.2		<0.00142		<0.00710		<0.00355		<0.00923		-	<0.121		<4.84		0.420	J	0.420	
		2-3	391	0.0	1100		<0.00111		<0.00555		<0.00278		<0.00722		-	<0.105		1.77	J	2.67	J	4.44	
H-11	12/29/2020	0-1	204	0.0	1030		<0.00112		<0.00561		<0.00281		<0.00730		-	<0.106		1.98	J	2.87	J	4.85	
		2-3	423	0.0	969		<0.00112		<0.00562		<0.00281		<0.00730		-	<0.106		<4.25		2.66	J	2.66	

NOTES:

ft. Feet

bgs Below ground surface

ppm Parts per million

mg/kg Milligrams per kilogram

TPH Total Petroleum Hydrocarbons

GRO Gasoline range organics

DRO Diesel range organics

ORO Oil range organics

Bold and italicized values indicate exceedance of proposed RRLs

Shaded rows indicate depth intervals proposed for excavation and remediation

1 EPA Method 300.0

2 EPA Method 8260B

3 EPA Method 8015

4 EPA Method 8015D/GRO

QUALIFIERS:

B The same analyte is found in the associated blank.

J The identification of the analyte is acceptable; the reported value is an estimate.

TABLE 2
SUMMARY OF ANALYTICAL RESULTS
ADDITIONAL SOIL ASSESSMENT
CONOCOPHILLIPS
WILDER PIPELINE MANIFOLD RELEASE
LEA COUNTY, NM

Sample ID	Sample Date	Sample Depth Interval	Field Screening Results		Chloride ¹	BTEX ²										TPH ³					
			Chloride	PID		Benzene		Toluene		Ethylbenzene		Total Xylenes		Total BTEX	GRO ⁴		DRO		ORO		Total TPH (GRO+DRO+ORO)
			mg/kg	Q		mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg
BH-1	1/19/2021	0-1	-	-	8590		< 0.00122		< 0.00612		< 0.00306		< 0.00795	-	0.162	B	12.1		7.70		20.0
		2-3	-	-	6770		< 0.00120		< 0.00599		< 0.00299		< 0.00778	-	0.0651	B J	4.39	J	3.53	J	7.99
		4-5	-	-	7880		< 0.00125		< 0.00624		< 0.00312		< 0.00811	-	0.0452	B J	< 4.49		1.27	J	1.32
		6-7	-	-	8280		< 0.00124		< 0.00622		< 0.00311		< 0.00809	-	0.0269	B J	< 4.49		0.762	J	0.789
		9-10	1540	-	676		< 0.00119		< 0.00594		< 0.00297		< 0.00772	-	0.0444	B J	< 4.38		0.591	J	0.635
		15	742	-	399		< 0.00112		< 0.00561		< 0.00281		< 0.00730	-	0.0472	B J	< 4.24		0.483	J	0.530
		20	679	-	449		< 0.00112		< 0.00561		< 0.00281		< 0.00729	-	0.0491	B J	< 4.24		< 4.24		0.0491
		25	334	-	154		< 0.00105		< 0.00527		< 0.00264		< 0.00685	-	0.0940	B J	1.91	J	< 4.11		2.00
		30	209	-	295		< 0.00112		< 0.00559		< 0.00279		< 0.00727	-	0.0721	B J	< 4.24		< 4.24		0.0721
BH-2	1/19/2021	0-1	> 15000	-	3740		< 0.00112		< 0.00559		< 0.00279		< 0.00726	-	0.0592	B J	212		181		393
		2-3	> 15000	-	4200		< 0.00116		< 0.00578		< 0.00289		< 0.00751	-	0.0363	B J	4.97		3.58	B J	8.59
		4-5	> 15000	-	4480		< 0.00112		< 0.00560		< 0.00280		< 0.00728	-	0.0472	B J	5.00		8.20		13.2
		6-7	> 15000	-	7490		< 0.00120		< 0.00601		< 0.00300		< 0.00781	-	0.0644	B J	5.78		7.60		13.4
		9-10	10500	-	10600		< 0.00128		< 0.00641		< 0.00320	0.00122	0.00122	0.0276	0.0276	B J	< 4.56		0.738	J	0.766
		15	5600	-	4350		< 0.00117		< 0.00585		< 0.00292		< 0.00760	-	< 0.108		< 4.34		0.755	J	0.755
		20	540	-	527		< 0.00115		< 0.00577		< 0.00288		< 0.00750	-	< 0.108		< 4.31		0.579	J	0.579
		25	372	-	123		< 0.00112		< 0.00559		< 0.00279		< 0.00727	-	< 0.106		< 4.24		0.466	J	0.466
		30	330	-	386		< 0.00108		< 0.00541		< 0.00270		< 0.00703	-	0.0370	J	< 4.16		0.552	J	0.589
H-12	1/19/2021	0-1	41	-	< 20.6		< 0.00106		< 0.00532		< 0.00266		< 0.00692	-	< 0.103		< 4.13		1.94	J	1.94
		2-3	62	-	< 20.7		< 0.00107		< 0.00534		< 0.00267		< 0.00694	-	< 0.103		< 4.13		2.03	J	2.03
		3-4	51	-	< 20.6		< 0.00106		< 0.00532		< 0.00266		< 0.00692	-	< 0.103		< 4.13		2.54	J	2.54
		4-5	102	-	12.0	J	< 0.00107		< 0.00534		< 0.00267		< 0.00694	-	< 0.103		< 4.14		1.02	J	1.02
H-13	1/19/2021	0-1	110	-	16.8	J	< 0.00107		< 0.00537		< 0.00269		< 0.00699	-	< 0.104		< 4.15		1.16	J	1.16
		2-3	86	-	< 20.7		< 0.00107		< 0.00534		< 0.00267		< 0.00694	-	< 0.103		< 4.13		1.37	J	1.37
		3-4	68	-	< 20.7		< 0.00107		< 0.00536		< 0.00268		< 0.00697	-	< 0.104		< 4.14		0.798	J	0.798
		4-5	121	-	< 20.7		< 0.00107		< 0.00535		< 0.00267		< 0.00695	-	< 0.103		< 4.14		0.564	J	0.564

NOTES:

ft. Feet

bgs Below ground surface

ppm Parts per million

mg/kg Milligrams per kilogram

TPH Total Petroleum Hydrocarbons

GRO Gasoline range organics

DRO Diesel range organics

ORO Oil range organics

Bold and italicized values indicate exceedance of proposed RRALS

Shaded rows indicate depth intervals proposed for excavation and remediation

1 EPA Method 300.0

2 EPA Method 8260B

3 EPA Method 8015

4 EPA Method 8015D/GRO

QUALIFIERS:

B The same analyte is found in the associated blank.

J The identification of the analyte is acceptable; the reported value is an estimate.

TABLE 3
SUMMARY OF ANALYTICAL RESULTS
SOIL REMEDIATION - NAPP2109649049
CONOCOPHILLIPS
WILDER MANIFOLD RELEASE
LEA COUNTY, NM

Sample ID	Sample Date	Sample Depth	Field Screening Results		Chloride ¹		BTEX ²										TPH ³						Total TPH (GRO+DRO+EXT DRO)
							Benzene		Toluene		Ethylbenzene		Total Xylenes		Total BTEX		GRO		DRO		EXT DRO		
			Chloride	PID	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	
		ft. bgs	ppm		mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	C ₆ - C ₁₀	Q	> C ₁₀ - C ₂₈	Q	> C ₂₈ - C ₃₆	Q	
FS-1	1/31/2022	4	-	-	48.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
FS-2	1/31/2022	4	-	-	48.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
FS-3	1/27/2022	4	-	-	3,680		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
FS-4	1/31/2022	4	-	-	32.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
FS-5	1/27/2022	4	-	-	2,840		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
FS-6	1/27/2022	4	-	-	2,480		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
FS-7	1/31/2022	4	-	-	16.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
FS-8	1/31/2022	4	-	-	32.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
FS-9	1/27/2022	4	-	-	1,920		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
FS-10	1/27/2022	4	-	-	16.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
FS-11	1/27/2022	4	-	-	80.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
FS-12	1/27/2022	4	-	-	176		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
FS-13	1/27/2022	4	-	-	4,000	QM-07	< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
FS-14	1/27/2022	4	-	-	3,360		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
FS-15	1/27/2022	4	-	-	80.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
FS-16	1/7/2022	10	2,150	0.0	32.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
FS-17	1/7/2022	10	1,860	0.0	48.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
FS-18	1/7/2022	10	1,970	0.0	32.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
FS-19	1/7/2022	10	1,260	0.0	48.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
FS-20	1/7/2022	10	1,350	0.0	48.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
FS-21	1/7/2022	10	1,570	0.0	64.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
FS-22	1/5/2022	10	2,350	0.0	400		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
FS-23	1/5/2022	10	1,970	0.0	384		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
FS-24	1/5/2022	12	2,550	0.0	1,760		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
FS-25	1/5/2022	12	2,860	0.0	1,630	QM-07	< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
FS-26	1/5/2022	12	2,360	0.0	1,630		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
FS-27	12/16/2021	8	7,520	0.0	9,330		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
FS-27 (12)*	1/5/2022	12	2,570	0.0	1,600		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
FS-28	12/16/2021	8	8,270	0.0	9,200		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
FS-28 (12)*	1/5/2022	12	2,480	0.0	1,730		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
FS-29	12/16/2021	10	8,910	0.0	8,660		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
FS-29 (20)*	1/5/2022	20	2,760	0.0	1,640		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
FS-30	12/16/2021	10	8,970	0.0	7,860		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
FS-30 (20)*	1/5/2022	20	2,890	0.0	1,490		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
FS-31	12/16/2021	10	6,450	0.0	5,860		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
FS-31 (20)*	1/5/2022	20	2,970	0.0	1,440		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
FS-32	12/16/2021	10	158	0.0	32.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
FS-33	12/16/2021	10	151	0.0	32.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
FS-34	12/16/2021	10	346	0.0	32.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
FS-35	12/16/2021	10	357	0.0	352		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
FS-36	12/16/2021	10	64.5	0.0	32.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
NSW-1	1/19/2022	-	182	0.0	16.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
NSW-2	1/19/2022	-	410	0.0	16.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
NSW-3	1/19/2022	-	129	0.0	16.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
NSW-4	1/19/2022	-	121	0.0	32.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
NSW-5	1/19/2022	-	310	0.0	< 16.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
NSW-6	1/19/2022	-	208	0.0	16.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
NSW-7	1/19/2022	-	115	0.0	< 16.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-

TABLE 3
SUMMARY OF ANALYTICAL RESULTS
SOIL REMEDIATION - NAPP2109649049
CONOCOPHILLIPS
WILDER MANIFOLD RELEASE
LEA COUNTY, NM

Sample ID	Sample Date	Sample Depth	Field Screening Results		Chloride ¹		BTEX ²										TPH ³							
							Benzene		Toluene		Ethylbenzene		Total Xylenes		Total BTEX		GRO		DRO		EXT DRO		Total TPH	
			Chloride	PID	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	C ₆ - C ₁₀	Q	> C ₁₀ - C ₂₈	Q	> C ₂₈ - C ₃₆	Q	(GRO+DRO+EXT DRO)	
		ft. bgs	ppm		mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	
NSW-8	1/19/2022	-	225	0.0	48.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
NSW-9	1/19/2022	-	113	0.0	< 16.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
NSW-10	12/22/2021	-	271	0.0	208		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
NSW-11	12/22/2021	-	89.7	0.0	48.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
NSW-12	12/22/2021	-	137	0.0	16.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
NSW-13	12/22/2021	-	158	0.0	< 16.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
NSW-14	12/22/2021	-	166	0.0	128		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
NSW-15	12/22/2021	-	310	0.0	240		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
NSW-16	12/22/2021	-	301	0.0	224		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
NSW-17	12/22/2021	-	93.8	0.0	64.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
NSW-18	12/22/2021	-	69.1	0.0	48.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
NSW-19	12/22/2021	-	138	0.0	128		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
NSW-20	12/16/2021	-	62.7	0.0	< 16.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
NSW-21	12/16/2021	-	176	0.0	48.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
NSW-22	12/16/2021	-	255	0.0	128.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
NSW-23	12/16/2021	-	67.7	0.0	< 16.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
NSW-24	12/16/2021	-	147	0.0	< 16.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
NSW-25	12/16/2021	-	58.7	0.0	< 16.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
NSW-26	12/9/2021	-	113	0.0	64.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
NSW-27	12/9/2021	-	61.7	0.0	< 16.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
NSW-28	12/9/2021	-	80.1	0.0	< 16.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
NSW-29	12/9/2021	-	121	0.0	< 16.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
ESW-1	12/9/2021	-	109	0.0	< 16.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
ESW-2	12/9/2021	-	68.7	0.0	< 16.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
ESW-3	12/9/2021	-	112	0.0	32.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
SSW-1	1/19/2022	-	106	0.0	< 16.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
SSW-2	1/19/2022	-	160	0.0	< 16.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
SSW-3	1/19/2022	-	57.2	0.0	< 16.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
SSW-4	1/19/2022	-	118	0.0	< 16.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
SSW-5	1/19/2022	-	167	0.0	16.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
SSW-6	12/22/2021	-	82.1	0.0	48.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
SSW-7	12/22/2021	-	63.5	0.0	32.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
SSW-8	12/22/2021	-	90.4	0.0	32.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
SSW-9	12/22/2021	-	115	0.0	16.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
SSW-10	12/22/2021	-	90.6	0.0	16.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
SSW-11	12/22/2021	-	187	0.0	112		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
SSW-12	12/22/2021	-	109	0.0	32.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
SSW-13	12/22/2021	-	107	0.0	48.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
SSW-14	12/22/2021	-	74.5	0.0	16.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
SSW-15	12/22/2021	-	78.4	0.0	16.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
SSW-16	12/22/2021	-	67.4	0.0	32.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
SSW-17	12/22/2021	-	56.6	0.0	16.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
SSW-18	12/16/2021	-	76.8	0.0	32.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
SSW-19	12/16/2021	-	151	0.0	32.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
SSW-20	12/16/2021	-	60	0.0	32.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
SSW-21	12/16/2021	-	257	0.0	128		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
SSW-22	12/16/2021	-	78.6	0.0	< 16.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
SSW-23	12/16/2021	-	175	0.0	< 16.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	

TABLE 3
SUMMARY OF ANALYTICAL RESULTS
SOIL REMEDIATION - NAPP2109649049
CONOCOPHILLIPS
WILDER MANIFOLD RELEASE
LEA COUNTY, NM

Sample ID	Sample Date	Sample Depth	Field Screening Results		Chloride ¹		BTEX ²										TPH ³							
			Chloride	PID			Benzene		Toluene		Ethylbenzene		Total Xylenes		Total BTEX		GRO		DRO		EXT DRO		Total TPH	
		ft. bgs	ppm		mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	C ₆ - C ₁₀	Q	> C ₁₀ - C ₂₈	Q	> C ₂₈ - C ₃₆	Q	(GRO+DRO+EXT DRO)	mg/kg
SSW-24	12/16/2021	-	206	0.0	< 16.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	-
SSW-25	12/9/2021	-	867	0.0	< 16.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	-
WSW-1	1/19/2022	-	237	0.0	< 16.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	-
WSW-2	1/19/2022	-	176	0.0	< 16.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	-
WSW-3	1/19/2022	-	161	0.0	< 16.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	-
WSW-4	1/19/2022	-	150	0.0	< 16.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	-

NOTES:

ft. Feet

bgs Below ground surface

mg/kg Milligrams per kilogram

TPH Total Petroleum Hydrocarbons

GRO Gasoline range organics

DRO Diesel range organics

1 Method SM4500Cl-B

2 Method 8021B

3 Method 8015M

Bold and italicized values indicate exceedance of Site RRALs approved by the NMOCD.

Gold highlight represents soil horizons that were removed during deepening of excavation floors.

Green highlight represents soil intervals that were removed during horizontal expansion of excavation sidewalls.

* These iterative samples are located to encompass the original sample location that triggered removal, with further excavation in each area indicated in ().

Italicized and underlined values indicate areas that were lined prior to backfilling.

QUALIFIERS:

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference.

QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.

APPENDIX A C-141 Forms

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

State of New Mexico
Energy Minerals and Natural
Resources Department

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

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

Incident ID	nAPP2109649049
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party – Conoco Phillips Company	OGRID 217817
Contact Name – Charles R. Beauvais II	Contact Telephone 575-988-2043
Contact email – charles.r.beauvais@conocophillips.com	Incident # (assigned by OCD)
Contact mailing address – 15 W London Rd, Loving, NM 88256	

Location of Release Source

Latitude 32.020556 _____ Longitude 103.694444 _____
(NAD 83 in decimal degrees to 5 decimal places)

Site Name – Wilder Pipeline to Mesquite Off-take	Site Type
Date Release Discovered – 12/11/2020	API# (if applicable) NA - Pipeline

Unit Letter	Section	Township	Range	County
B (NWNE)	29	26S	R32E	Lea County, NM

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

Nature and Volume of Release

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

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Total Volume Released (bbls) 176 bbls	Volume Recovered (bbls) 7 bbls
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release
Manifold failure located at surface

State of New Mexico
Oil Conservation Division

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Was this a major release as defined by 19.15.29.7(A) NMAC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release? 19.15.29.7 (A)(1) An unauthorized release of a volume, excluding gases, of 25 barrels or more.
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Notice was made by Charles Beauvais, Environmental Coordinator, at 3:30PM, on 12/14/2020 via email to Bradford.billings@state.nm . Also, an online submittal with payment for submittals was made to NMOCD.	

Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why: 	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: <u>Charles Beauvais</u>	Title: Environmental Coordinator
Signature: <u>Charles R. Beauvais</u>	Date: <u>12/14/2020</u>
email: <u>charles.r.beauvais@conocophillips.com</u>	Telephone: 575-988-2043
<u>OCD Only</u>	
Received by: <u>Ramona Marcus</u>	Date: <u>7/16/2021</u>

NAPP2109649049

L48 Spill Volume Estimate Form									
Facility Name & Number:		Wilder Pipeline Line to Mesquite Off Take							
Asset Area:		Delaware - Zia Hills							
Release Discovery Date & Time:		12/11/2020 11:45am							
Release Type:		Produced Water							
Provide any known details about the event:		Trunk Line Manifold Release							
Spill Calculation - Subsurface Spill - Rectangle									
Was the release on pad or off-pad?				See reference table below					
Has it rained at least a half inch in the last 24 hours?				See reference table below					
Convert Irregular shape into a series of rectangles	Length (ft.)	Width (ft.)	Depth (in.)	Soil Spilled-Fluid Saturation	Estimated volume of each area (bbl.)	Total Estimated Volume of Spill (bbl.)	Percentage of Oil if Spilled Fluid is a Mixture	Total Estimated Volume of Spilled Oil (bbl.)	Total Estimated Volume of Spilled Liquid other than Oil (bbl.)
Rectangle A	72.6	72.6	12.00	12.60%	938.712	118.278			
Rectangle B	30.0	21.0	24.00	12.60%	224.280	28.259			
Rectangle C	124.0	8.0	12.00	12.60%	176.576	22.249			
Rectangle D					0.000	0.000			
Rectangle E					0.000	0.000			
Rectangle F					0.000	0.000			
Rectangle G					0.000	0.000			
Rectangle H					0.000	0.000			
Rectangle I					0.000	0.000			
Rectangle J					0.000	0.000			
Total Volume Release:						168.786			

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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>327</u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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

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

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

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

State of New Mexico
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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: _____ Title: _____

Signature:  _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: Ramona Marcus Date: 7/16/2021

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Remediation Plan

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

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

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

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

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

Printed Name: Jenni FortunatoTitle: Program Manager, RemediationSignature: Date: 7/13/2021email: jenni.fortunato@cop.comTelephone: 832-486-2477**OCD Only**Received by: Ramona MarcusDate: 7/16/2021☐ Approved☒ Approved with Attached Conditions of Approval☐ Denied☐ Deferral ApprovedSignature: Date: 08/18/2021

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Application ID	

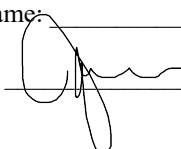
Closure

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: _____ Title: _____
Signature:  _____ Date: _____
email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

APPENDIX B

Site Characterization Data



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
C 03537 POD1	CUB	LE		3	2	3	21	26S	32E	624250	3543985	1080	850		
C 02271 POD2	CUB	LE		3	2	3	21	26S	32E	624348	3544010*	1178	270	250	20
C 02323	C	LE		3	2	3	21	26S	32E	624348	3544010*	1178	405	405	0

Average Depth to Water: **327 feet**

Minimum Depth: **250 feet**

Maximum Depth: **405 feet**

Record Count: 3

UTMNAD83 Radius Search (in meters):

Easting (X): 623300.55

Northing (Y): 3543470.72

Radius: 1200

*UTM location was derived from PLSS - see Help

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

1/8/21 10:51 AM





Page 1 of 1

WATER COLUMN/ AVERAGE
DEPTH TO WATER

Karst Potential Map

Wilder Pipeline Manifold Release
AoC 7155

Legend

-  High
-  Low
-  Medium
-  Wilder Pipeline Manifold Release

 Wilder Pipeline Manifold Release

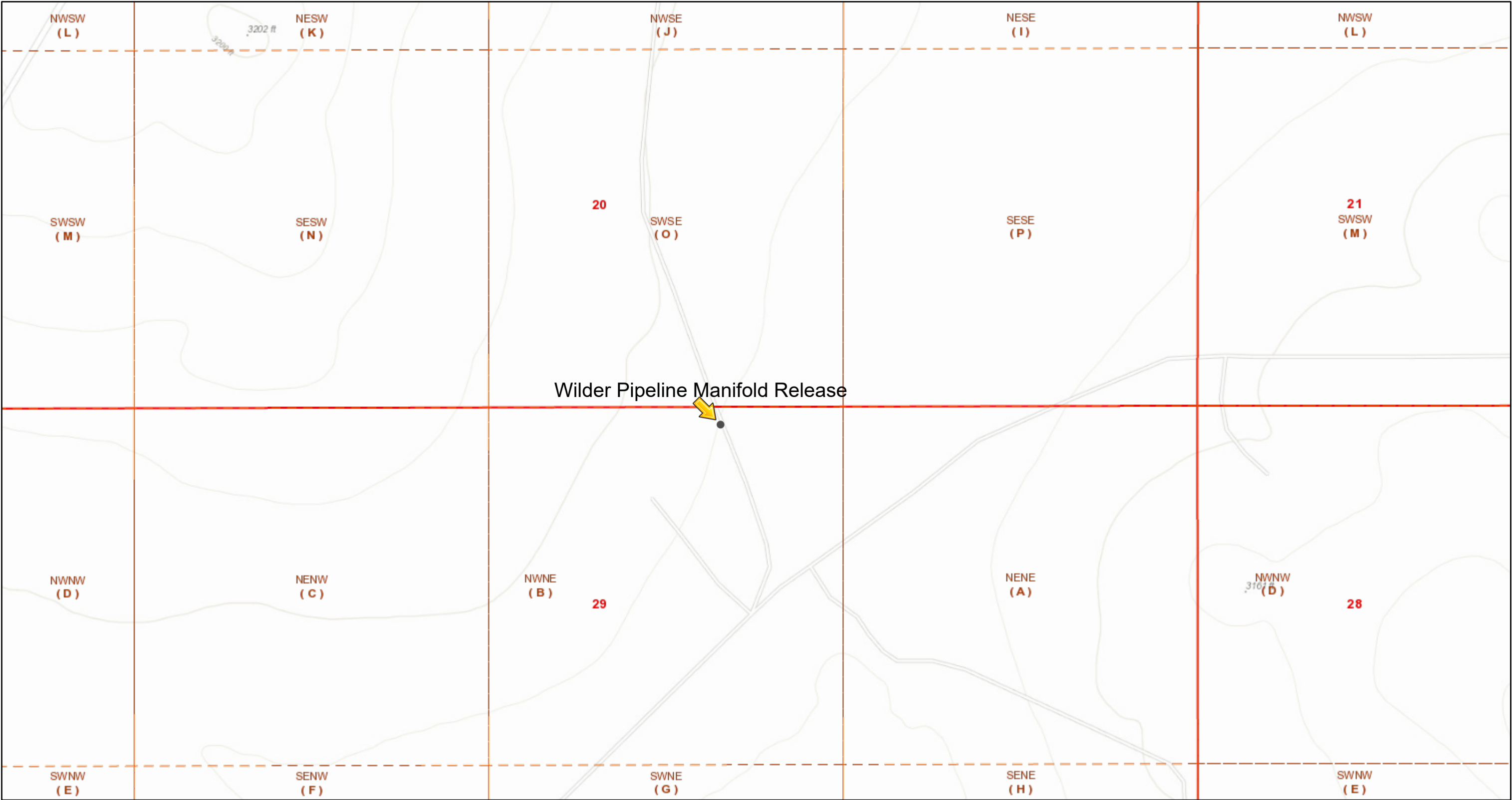
1

Google Earth

1 mi

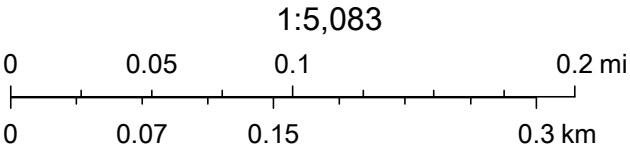


Wilder Pipeline Manifold Release



1/8/2021, 11:48:42 AM

- Override 1
- PLSS Second Division
- PLJV Probable Playas
- PLSS First Division
- OSE Water-bodies
- OSE Streams



Bureau of Land Management, Texas Parks & Wildlife, Esri, HERE, Garmin, INCREMENT P, USGS, EPA, USDA, BLM

APPENDIX C

Regulatory Correspondence

Llull, Christian

From: Tucker, Shelly J <stucker@blm.gov>
Sent: Friday, December 03, 2021 10:12 AM
To: Llull, Christian
Subject: Re: [EXTERNAL] FW: Request for Approval - Remediation (NAPP2109649049) Wilder Pipeline Manifold

⚠ CAUTION: This email originated from an external sender. Verify the source before opening links or attachments. **⚠**

BLM hereby approves your remedial proposal as written. Please ensure you stay within your approved boundaries and contact us if you encounter any issues (ie unexpected archeology, previous impacts, lines etc)

Shelly J Tucker
Environmental Protection Specialist
Realty

stucker@blm.gov

575.234.5706 desk
575.200.0614 mobile

620 E Greene St
Carlsbad, NM 88220

From: Llull, Christian <Christian.Llull@tetrattech.com>
Sent: Friday, December 3, 2021 7:42:22 AM
To: Tucker, Shelly J <stucker@blm.gov>
Subject: [EXTERNAL] FW: Request for Approval - Remediation (NAPP2109649049) Wilder Pipeline Manifold

This email has been received from outside of DOI - Use caution before clicking on links, opening attachments, or responding.

Shelly:

Per discussion, attached are the documents as requested for the Wilder Pipeline Manifold Release Remediation.

Christian

From: Llull, Christian
Sent: Wednesday, December 01, 2021 3:47 PM
To: Tucker, Shelly J <stucker@blm.gov>

Cc: Dickerson, Ryan <Ryan.Dickerson@tetrattech.com>; Poole, Nicholas <NICHOLAS.POOLE@tetrattech.com>

Subject: Request for Approval - Remediation (NAPP2109649049) Wilder Pipeline Manifold

Shelly:

Requesting like approval for site remediation from BLM.

Attached is the NMOCD conditionally approved WP.

Attached is the NMOCD approval email.

.kmz attached.

Details below.

In order to complete the remediation we are requesting verbal approval to proceed with remediation at the location listed below.

ConocoPhillips

Wilder Pipeline Manifold Release Remediation

Approximate Release Location: 32.020556°, -103.694444°

Lea County, NM

Incident ID NAPP2109649049

Date Release Discovered: 12/11/2020

Unit Letter B, Section 29, Township 26 South, Range 32 East

Lea County, New Mexico

32.810736°, -103.742846°

Volume Released: The release occurred as the result of a manifold failure located at the surface and encompasses an area of 12,773 square feet. Approximately 176 barrels (bbls) of produced water were released, of which 7 bbls were recovered.

Area: The observed impacted area in the field is approximately 18,000 square feet.

Remediation will be conducted by backhoes and track hoes, and by hydrovac due in areas of buried flowlines.

Tetra Tech is assisting with remediation of a previously reported unplanned release with the NMOCD.

The Release Characterization Work Plan was submitted to NMOCD (with appropriate fee) on 7/14/2021.

NMOCD has approved the Workplan/Remediation proposal via email dated 8/18/2021.

The approved Work Plan states ConocoPhillips proposes to begin remediation activities at the Site within 120 days of NMOCD plan approval, which is a deadline of **12/17/2021**.

Work Plan as written had a liner request which was denied for the deeper areas.

Conditional Approval specifies deeper dig depth, transcribed below:

The OCD has approved the submitted *Application for administrative approval of a release notification and corrective action* (C-141), for incident ID (n#) nAPP2109649049, with the following conditions:

- The release is considered to be in the pasture and doesn't qualify for deferment. However a variance/consideration will be made for some contaminants left around high pressure lines due for safety concerns.
- A variance for a liner will be granted from sample points H-8 and up due to the pipeline/pipelines.
- This release has occurred in a High Karst area and will need to be remediated to the strictest closure criteria of <50' depth to groundwater from Table 1
- The OCD requires more sampling at sample points H-3, H-7, & H-8 to a depth of 5ft bgs.
- From H-7 please remediate to a depth of 10 ft bgs. and from H-8 going away from the point of release please remediate to table 1 criteria.

- The OCD is hesitant to close a release, where contaminants are left in place, due to close proximity to equipment. A hydrovac/shovel would need to be used to remove as much of the contaminants as safely possible.
- 30 day extension is granted. Closure due 12/17/2021.

The attached kmz provides the remediation specifics and the location of the site.

We are planning to excavate to various depths, 10' on eastern end, 6'-8' in central area, and 4' bgs closer to release point.

Please let me know at your earliest convenience that we can proceed. Work is scheduled to begin next Tuesday.

Thank you very much for your time.

Christian
512-565-0190

Christian Llull, P.G. | Program Manager

Direct +1 (512) 338-2861 | Business +1 (512) 338-1667 | Fax +1 (512) 338-1331 | christian.llull@tetrattech.com

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Poole, Nicholas

From: Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>
Sent: Tuesday, December 21, 2021 3:06 PM
To: Llull, Christian
Cc: Fortunato, Jenni; Dickerson, Ryan; Bratcher, Mike, EMNRD; Hensley, Chad, EMNRD; Velez, Nelson, EMNRD
Subject: (Extension Approval) - Wilder Pipeline Manifold Release (nAPP2109649049)

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RE: Incident #**NAPP2109649049**

Christian,

Your request for an extension to **February 16th, 2022** is approved.

Robert Hamlet • Environmental Specialist - Advanced
Environmental Bureau
EMNRD - Oil Conservation Division
811 S. First Street | Artesia, NM 88210
575.909.0302 | robert.hamlet@state.nm.us
<http://www.emnrd.state.nm.us/OCD/>



From: Llull, Christian <Christian.Llull@tetrattech.com>
Sent: Saturday, December 4, 2021 11:48 AM
To: EMNRD-OCD-District1spills <EMNRD-OCD-District1spills@state.nm.us>; Hensley, Chad, EMNRD <Chad.Hensley@state.nm.us>
Cc: Fortunato, Jenni <jenni.fortunato@conocophillips.com>; Dickerson, Ryan <Ryan.Dickerson@tetrattech.com>; Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>
Subject: [EXTERNAL] Extension Request - Wilder Pipeline Manifold Release (nAPP2109649049)

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To whom it may concern:

On behalf of ConocoPhillips, Tetra Tech is requesting a 60-day extension (until February 16, 2022) to complete the Remediation and associated closure reporting for the Wilder Pipeline Manifold Release site (**nAPP2109649049**). Remediation work is scheduled to begin next week.

Please let me know if you have any questions or concerns.

Christian

Christian Llull, P.G. | Program Manager

Direct **+1 (512) 338-2861** | Business **+1 (512) 338-1667** | Fax **+1(512) 338-1331** | christian.llull@tetrattech.com

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Llull, Christian

From: Dickerson, Ryan
Sent: Friday, December 10, 2021 4:25 PM
To: ocd.enviro@state.nm.us
Cc: Llull, Christian; Poole, Nicholas; Fortunato, Jenni
Subject: Incident ID: nRM1930958355 - Confirmation Sampling

Re: Incident ID (n#) nAPP2109649049 (Wilder Pipeline Manifold Release)

To whom it may concern,

In accordance with Subsection D of 19.15.29.12 NMAC, the responsible party must verbally notify the appropriate division district office prior to conducting confirmation sampling.

Remediation activities began at the site this week.

Thus, on behalf of ConocoPhillips for the above referenced incident, Tetra Tech is duly providing this communication which serves as notification that final confirmation sampling will be conducted at this site from December 15, 2021 through January 7, 2022.

NOTE: If you have any questions regarding this sampling schedule, please contact me.

Ryan Dickerson | Senior Staff Geologist
Cell +1 (512) 217-7254 | ryan.dickerson@tetrattech.com

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TETRA TECH

Dickerson, Ryan

From: Hensley, Chad, EMNRD <Chad.Hensley@state.nm.us>
Sent: Friday, January 7, 2022 10:26 AM
To: Dickerson, Ryan
Cc: Llull, Christian
Subject: RE: [EXTERNAL] FW: The Oil Conservation Division (OCD) has approved the application, Application ID: 36438

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Ryan and Chris,
I am good with this. Let's wrap this one up. Please send me a closure report.

From: Dickerson, Ryan <Ryan.Dickerson@tetrattech.com>
Sent: Thursday, January 6, 2022 1:00 PM
To: Hensley, Chad, EMNRD <Chad.Hensley@state.nm.us>
Cc: Llull, Christian <Christian.Llull@tetrattech.com>
Subject: RE: [EXTERNAL] FW: The Oil Conservation Division (OCD) has approved the application, Application ID: 36438

Mr. Hensley,

Please find attached a figure showing the current remediation progress and confirmation samples collected at the Wilder Pipeline Manifold Release (NAPP2109649049) site. Also attached is a table summarizing the analytical results for confirmation samples collected as of 1/5/2022.

Based on verbal conversation, it was requested that Tetra Tech provide the confirmation sample analytical results for the determination of remediation efficacy at the Wilder Pipeline Manifold Release by the NMOCD.

As shown in the attached table, all analytical results for confirmation floor samples collected within the 10-foot, 12-foot and 20-foot excavated areas are below Table 1 closure criteria (as determined by depth to groundwater in the area) **and** below 3,000 mg/kg for chloride. Additionally, all analytical results for confirmation sidewall samples collected along the excavation walls are below reclamation requirements for soils above 4 feet (600 mg/kg chloride and 100 mg/kg TPH).

Please confirm that the attached analytical results are acceptable for floor confirmation of current remedial activities at the Wilder Pipeline Manifold Release.

Thanks,

Ryan Dickerson | Senior Staff Geologist
Cell +1 (512) 217-7254 | ryan.dickerson@tetrattech.com

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From: Hensley, Chad, EMNRD <Chad.Hensley@state.nm.us>
Sent: Monday, December 20, 2021 2:00 PM
To: Llull, Christian <Christian.Llull@tetrattech.com>
Cc: Dickerson, Ryan <Ryan.Dickerson@tetrattech.com>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>
Subject: RE: [EXTERNAL] FW: The Oil Conservation Division (OCD) has approved the application, Application ID: 36438

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Good morning, Christian.

Due to the spill being in a high potential karst area the samples taken exceed the OCD's closure criteria and will not meet closure. Please continue to safely delineate to 15 ft and see if we can get the chlorides to an appropriate level.

Chad Hensley • Environmental Science & Specialist

Environmental Bureau

EMNRD - Oil Conservation Division

811 First St. | Artesia, NM 88210

Office: 575.748.1283 | Cell: 575-703-1723

chad.hensley@state.nm.us

<http://www.emnrd.state.nm.us/OCD/>



From: Llull, Christian <Christian.Llull@tetrattech.com>
Sent: Monday, December 20, 2021 11:33 AM
To: Hensley, Chad, EMNRD <Chad.Hensley@state.nm.us>
Cc: Dickerson, Ryan <Ryan.Dickerson@tetrattech.com>
Subject: [EXTERNAL] FW: The Oil Conservation Division (OCD) has approved the application, Application ID: 36438

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Mr. Hensley,

Please find attached a figure showing the current remediation progress and confirmation samples collected at the Wilder Pipeline Manifold Release (NAPP2109649049) site. Also attached is a table summarizing the analytical results for confirmation samples collected as of 12/17/2021.

Based on verbal conversation, it was requested that Tetra Tech provide the confirmation sample analytical results for the determination of remediation efficacy at the Wilder Pipeline Manifold Release by the NMOCD.

As shown in the attached table, all analytical results for confirmation floor samples collected within the 8-foot and 10-foot excavated areas are below Table 1 closure criteria (as determined by depth to groundwater in the area). Additionally, all analytical results for confirmation sidewall samples collected along the excavation walls are below reclamation requirements for soils above 4 feet (600 mg/kg chloride and 100 mg/kg TPH).

Please confirm that the attached analytical results are acceptable for floor confirmation of current remedial activities at the Wilder Pipeline Manifold Release.

Thanks,

Christian

Christian Llull, P.G. | Program Manager

Direct +1 (512) 338-2861 | Business +1 (512) 338-1667 | Fax +1 (512) 338-1331 | christian.llull@tetrattech.com

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From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>

Sent: Wednesday, August 18, 2021 1:20 PM

To: Llull, Christian <Christian.Llull@tetrattech.com>

Subject: The Oil Conservation Division (OCD) has approved the application, Application ID: 36438

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To whom it may concern (c/o Christian Llull for CONOCOPHILLIPS COMPANY),

The OCD has approved the submitted *Application for administrative approval of a release notification and corrective action* (C-141), for incident ID (n#) nAPP2109649049, with the following conditions:

- The release is considered to be in the pasture and doesn't qualify for deferment. However a variance/consideration will be made for some contaminants left around high pressure lines due for safety concerns.
- A variance for a liner will be granted from samples points H-8 and up due to the pipeline/pipelines.
- This release has occurred in a High Karst area and will need to be remediated to the strictest closure criteria of <50' depth to groundwater from Table 1
- The OCD requires more sampling at sample points H-3, H-7, & H-8 to a depth of 5ft bgs.
- From H-7 please remediate to a depth of 10 ft bgs. and from H-8 going away from the point of release please remediate to table 1 criteria.
- The OCD is hesitant to close a release, where contaminants are left in place, due to close proximity to equipment. A hydrovac/shovel would need to be used to remove as much of the contaminants as safely possible.
- 30 day extension is granted. Closure due 12/17/2021.

The signed C-141 can be found in the OCD Online: Imaging under the incident ID (n#).

If you have any questions regarding this application, please contact me.

Thank you,
Chad Hensley
Environmental Science & Specialist
575-703-1723
Chad.Hensley@state.nm.us

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

Poole, Nicholas

From: Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>
Sent: Thursday, March 3, 2022 10:33 AM
To: Llull, Christian
Cc: Poole, Nicholas; Abbott, Sam; Fortunato, Jenni; Bratcher, Mike, EMNRD; Hensley, Chad, EMNRD; Velez, Nelson, EMNRD; Nobui, Jennifer, EMNRD
Subject: (Extension Denied) - nAPP2109649049 (Wilder Pipeline Manifold)

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RE: Incident #NAPP2109649049

Christian,

An extension for this release has already been granted. Your request for another extension is **denied**. Include this e-mail correspondence in the remediation and/or closure report.

Robert Hamlet • Environmental Specialist - Advanced
Environmental Bureau
EMNRD - Oil Conservation Division
811 S. First Street | Artesia, NM 88210
575.909.0302 | robert.hamlet@state.nm.us
<http://www.emnrd.state.nm.us/OCD/>



From: Llull, Christian <Christian.Llull@tetrattech.com>
Sent: Thursday, March 3, 2022 7:29 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@state.nm.us>
Cc: Hensley, Chad, EMNRD <Chad.Hensley@state.nm.us>; Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>; Poole, Nicholas <NICHOLAS.POOLE@tetrattech.com>; Abbott, Sam <Sam.Abbott@tetrattech.com>; Fortunato, Jenni <jenni.fortunato@conocophillips.com>
Subject: [EXTERNAL] Extension Request - nAPP2109649049 (Wilder Pipeline Manifold)

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To whom it may concern:

Remediation of this incident has been completed. On behalf of ConocoPhillips, Tetra Tech is requesting a 30-day extension (until April 1, 2022) to complete the associated closure reporting for the Wilder Pipeline Manifold Release site (nAPP2109649049)

Please let me know if you have any questions or concerns.

Christian

Christian Llull, P.G. | Program Manager

Direct +1 (512) 338-2861 | Business +1 (512) 338-1667 | Fax +1 (512) 338-1331 | christian.llull@tetrattech.com

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TETRA TECH

APPENDIX D

Laboratory Analytical Data



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

December 13, 2021

RYAN DICKERSON

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: WILDER PIPELINE MANIFOLD RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 12/10/21 14:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH
 RYAN DICKERSON
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	12/10/2021	Sampling Date:	12/09/2021
Reported:	12/13/2021	Sampling Type:	Soil
Project Name:	WILDER PIPELINE MANIFOLD RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02383	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: NSW - 27 (H213570-01)

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	12/10/2021	ND	2.13	106	2.00	5.49	
Toluene*	<0.050	0.050	12/10/2021	ND	2.04	102	2.00	5.74	
Ethylbenzene*	<0.050	0.050	12/10/2021	ND	2.01	100	2.00	5.96	
Total Xylenes*	<0.150	0.150	12/10/2021	ND	6.10	102	6.00	6.15	
Total BTEX	<0.300	0.300	12/10/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.2 % 69.9-140

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	12/11/2021	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/10/2021	ND	214	107	200	2.58	
DRO >C10-C28*	<10.0	10.0	12/10/2021	ND	208	104	200	3.61	
EXT DRO >C28-C36	<10.0	10.0	12/10/2021	ND					

Surrogate: 1-Chlorooctane 76.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 73.7 % 38.9-142

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH
 RYAN DICKERSON
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	12/10/2021	Sampling Date:	12/09/2021
Reported:	12/13/2021	Sampling Type:	Soil
Project Name:	WILDER PIPELINE MANIFOLD RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02383	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: NSW - 28 (H213570-02)

BTX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/10/2021	ND	2.13	106	2.00	5.49	
Toluene*	<0.050	0.050	12/10/2021	ND	2.04	102	2.00	5.74	
Ethylbenzene*	<0.050	0.050	12/10/2021	ND	2.01	100	2.00	5.96	
Total Xylenes*	<0.150	0.150	12/10/2021	ND	6.10	102	6.00	6.15	
Total BTX	<0.300	0.300	12/10/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.4 % 69.9-140

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	12/11/2021	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/10/2021	ND	214	107	200	2.58	
DRO >C10-C28*	<10.0	10.0	12/10/2021	ND	208	104	200	3.61	
EXT DRO >C28-C36	<10.0	10.0	12/10/2021	ND					

Surrogate: 1-Chlorooctane 87.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 88.6 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 RYAN DICKERSON
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	12/10/2021	Sampling Date:	12/09/2021
Reported:	12/13/2021	Sampling Type:	Soil
Project Name:	WILDER PIPELINE MANIFOLD RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02383	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: NSW - 29 (H213570-03)

BTX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/10/2021	ND	2.13	106	2.00	5.49	
Toluene*	<0.050	0.050	12/10/2021	ND	2.04	102	2.00	5.74	
Ethylbenzene*	<0.050	0.050	12/10/2021	ND	2.01	100	2.00	5.96	
Total Xylenes*	<0.150	0.150	12/10/2021	ND	6.10	102	6.00	6.15	
Total BTEX	<0.300	0.300	12/10/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.5 % 69.9-140

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	12/11/2021	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/10/2021	ND	214	107	200	2.58	
DRO >C10-C28*	<10.0	10.0	12/10/2021	ND	208	104	200	3.61	
EXT DRO >C28-C36	<10.0	10.0	12/10/2021	ND					

Surrogate: 1-Chlorooctane 86.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 85.3 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 RYAN DICKERSON
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	12/10/2021	Sampling Date:	12/09/2021
Reported:	12/13/2021	Sampling Type:	Soil
Project Name:	WILDER PIPELINE MANIFOLD RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02383	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: ESW - 1 (H213570-04)

BTX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/10/2021	ND	2.13	106	2.00	5.49	
Toluene*	<0.050	0.050	12/10/2021	ND	2.04	102	2.00	5.74	
Ethylbenzene*	<0.050	0.050	12/10/2021	ND	2.01	100	2.00	5.96	
Total Xylenes*	<0.150	0.150	12/10/2021	ND	6.10	102	6.00	6.15	
Total BTX	<0.300	0.300	12/10/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.8 % 69.9-140

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	12/11/2021	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/10/2021	ND	214	107	200	2.58	
DRO >C10-C28*	<10.0	10.0	12/10/2021	ND	208	104	200	3.61	
EXT DRO >C28-C36	<10.0	10.0	12/10/2021	ND					

Surrogate: 1-Chlorooctane 91.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 89.6 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 RYAN DICKERSON
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	12/10/2021	Sampling Date:	12/09/2021
Reported:	12/13/2021	Sampling Type:	Soil
Project Name:	WILDER PIPELINE MANIFOLD RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02383	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: ESW - 2 (H213570-05)

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	12/10/2021	ND	2.13	106	2.00	5.49		
Toluene*	<0.050	0.050	12/10/2021	ND	2.04	102	2.00	5.74		
Ethylbenzene*	<0.050	0.050	12/10/2021	ND	2.01	100	2.00	5.96		
Total Xylenes*	<0.150	0.150	12/10/2021	ND	6.10	102	6.00	6.15		
Total BTEx	<0.300	0.300	12/10/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.1 % 69.9-140

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	12/11/2021	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/10/2021	ND	214	107	200	2.58	
DRO >C10-C28*	<10.0	10.0	12/10/2021	ND	208	104	200	3.61	
EXT DRO >C28-C36	<10.0	10.0	12/10/2021	ND					

Surrogate: 1-Chlorooctane 84.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 82.5 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 RYAN DICKERSON
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	12/10/2021	Sampling Date:	12/09/2021
Reported:	12/13/2021	Sampling Type:	Soil
Project Name:	WILDER PIPELINE MANIFOLD RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02383	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: NSW - 26 (H213570-06)

BTX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/10/2021	ND	2.13	106	2.00	5.49	
Toluene*	<0.050	0.050	12/10/2021	ND	2.04	102	2.00	5.74	
Ethylbenzene*	<0.050	0.050	12/10/2021	ND	2.01	100	2.00	5.96	
Total Xylenes*	<0.150	0.150	12/10/2021	ND	6.10	102	6.00	6.15	
Total BTX	<0.300	0.300	12/10/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.3 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	12/11/2021	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/10/2021	ND	214	107	200	2.58	
DRO >C10-C28*	<10.0	10.0	12/10/2021	ND	208	104	200	3.61	
EXT DRO >C28-C36	<10.0	10.0	12/10/2021	ND					

Surrogate: 1-Chlorooctane 89.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 91.6 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 RYAN DICKERSON
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	12/10/2021	Sampling Date:	12/09/2021
Reported:	12/13/2021	Sampling Type:	Soil
Project Name:	WILDER PIPELINE MANIFOLD RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02383	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: ESW - 3 (H213570-07)

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	12/10/2021	ND	2.13	106	2.00	5.49		
Toluene*	<0.050	0.050	12/10/2021	ND	2.04	102	2.00	5.74		
Ethylbenzene*	<0.050	0.050	12/10/2021	ND	2.01	100	2.00	5.96		
Total Xylenes*	<0.150	0.150	12/10/2021	ND	6.10	102	6.00	6.15		
Total BTEx	<0.300	0.300	12/10/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.2 % 69.9-140

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	12/11/2021	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/10/2021	ND	214	107	200	2.58	
DRO >C10-C28*	<10.0	10.0	12/10/2021	ND	208	104	200	3.61	
EXT DRO >C28-C36	<10.0	10.0	12/10/2021	ND					

Surrogate: 1-Chlorooctane 88.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 89.4 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 RYAN DICKERSON
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	12/10/2021	Sampling Date:	12/09/2021
Reported:	12/13/2021	Sampling Type:	Soil
Project Name:	WILDER PIPELINE MANIFOLD RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02383	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: SSW - 25 (H213570-08)

BTX 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/10/2021	ND	2.13	106	2.00	5.49		
Toluene*	<0.050	0.050	12/10/2021	ND	2.04	102	2.00	5.74		
Ethylbenzene*	<0.050	0.050	12/10/2021	ND	2.01	100	2.00	5.96		
Total Xylenes*	<0.150	0.150	12/10/2021	ND	6.10	102	6.00	6.15		
Total BTX	<0.300	0.300	12/10/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.0 % 69.9-140

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	12/11/2021	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/10/2021	ND	214	107	200	2.58	
DRO >C10-C28*	<10.0	10.0	12/10/2021	ND	208	104	200	3.61	
EXT DRO >C28-C36	<10.0	10.0	12/10/2021	ND					

Surrogate: 1-Chlorooctane 87.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 89.4 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
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

Analysis Request of Custody Record



Tetra Tech, Inc.

 901 West Wall Street, Ste 100
 Midland, Texas 79701
 Tel (432) 682-4559
 Fax (432) 682-3946

Page 1 of 1

ANALYSIS REQUEST

(Circle or Specify Method No.)

Page 11 of 11

Client Name: ConocoPhillips		Site Manager: Ryan Dickerson	
Project Name: Wilder Pipeline Manifold Release		Project #: 217C-MD-02323	
Project Location: Lea County, NM		Invoice to: Accounts Payable Tetra Tech 5811 N Capital de Texas Highway Ste. 2310	
Receiving Laboratory: Cardinal Lab		Sampler Signature:	
Comments:			

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING		MATRIX		PRESERVATIVE METHOD				# CONTAINERS	FILTERED (Y/N)	LAB USE ONLY	REMARKS:	
		YEAR	DATE	TIME	WATER	SOIL	HCL	HNO ₃	ICE					None
1	NSW-27	12/9	1300	X	X	X	X	X	X	X	X	X		
2	NSW-28	12/9	1310	X	X	X	X	X	X	X	X	X		
3	NSW-29	12/9	1320	X	X	X	X	X	X	X	X	X		
4	ESW-1	12/9	1330	X	X	X	X	X	X	X	X	X		
5	ESW-2	12/9	1340	X	X	X	X	X	X	X	X	X		
6	NSW-26	12/9	1350	X	X	X	X	X	X	X	X	X		
7	ESW-3	12/9	1400	X	X	X	X	X	X	X	X	X		
8	SSW-25	12/9	1410	X	X	X	X	X	X	X	X	X		

Relinquished by:	Date: 12/10/21	Time: 1415	Received by:	Date: 12-10-21	Time: 1415
Relinquished by:	Date: 12/10/21	Time: 1415	Received by:	Date: 12-10-21	Time: 1415
Relinquished by:	Date: 12/10/21	Time: 1415	Received by:	Date: 12-10-21	Time: 1415

Sample Temperature: 5.5°C	5.5°C	5.0°C	#113
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LAB USE ONLY	REMARKS:
<input type="checkbox"/> STANDARD	<input checked="" type="checkbox"/> RUSH: Same Day (24 hr) 48 hr 72 hr
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PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

December 17, 2021

RYAN DICKERSON

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: WILDER PIPELINE MANIFOLD RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 12/16/21 13:10.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH
 RYAN DICKERSON
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	12/16/2021	Sampling Date:	12/16/2021
Reported:	12/17/2021	Sampling Type:	Soil
Project Name:	WILDER PIPELINE MANIFOLD RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02383	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: SSW - 20 (H213634-01)

BTX 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/16/2021	ND	2.13	107	2.00	3.02		
Toluene*	<0.050	0.050	12/16/2021	ND	2.04	102	2.00	3.80		
Ethylbenzene*	<0.050	0.050	12/16/2021	ND	2.00	99.9	2.00	4.00		
Total Xylenes*	<0.150	0.150	12/16/2021	ND	6.07	101	6.00	4.32		
Total BTX	<0.300	0.300	12/16/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.8 % 69.9-140

Chloride, SM4500Cl-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	12/17/2021	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/16/2021	ND	205	102	200	6.39	
DRO >C10-C28*	<10.0	10.0	12/16/2021	ND	209	105	200	13.6	
EXT DRO >C28-C36	<10.0	10.0	12/16/2021	ND					

Surrogate: 1-Chlorooctane 70.2 % 62-130

Surrogate: 1-Chlorooctadecane 63.6 % 54.5-135

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 RYAN DICKERSON
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	12/16/2021	Sampling Date:	12/16/2021
Reported:	12/17/2021	Sampling Type:	Soil
Project Name:	WILDER PIPELINE MANIFOLD RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02383	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: SSW - 21 (H213634-02)

BTX 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/16/2021	ND	2.13	107	2.00	3.02		
Toluene*	<0.050	0.050	12/16/2021	ND	2.04	102	2.00	3.80		
Ethylbenzene*	<0.050	0.050	12/16/2021	ND	2.00	99.9	2.00	4.00		
Total Xylenes*	<0.150	0.150	12/16/2021	ND	6.07	101	6.00	4.32		
Total BTX	<0.300	0.300	12/16/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.3 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	12/17/2021	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/16/2021	ND	205	102	200	6.39	
DRO >C10-C28*	<10.0	10.0	12/16/2021	ND	209	105	200	13.6	
EXT DRO >C28-C36	<10.0	10.0	12/16/2021	ND					

Surrogate: 1-Chlorooctane 72.5 % 62-130

Surrogate: 1-Chlorooctadecane 65.8 % 54.5-135

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 RYAN DICKERSON
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	12/16/2021	Sampling Date:	12/16/2021
Reported:	12/17/2021	Sampling Type:	Soil
Project Name:	WILDER PIPELINE MANIFOLD RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02383	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: SSW - 22 (H213634-03)

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	12/16/2021	ND	2.13	107	2.00	3.02		
Toluene*	<0.050	0.050	12/16/2021	ND	2.04	102	2.00	3.80		
Ethylbenzene*	<0.050	0.050	12/16/2021	ND	2.00	99.9	2.00	4.00		
Total Xylenes*	<0.150	0.150	12/16/2021	ND	6.07	101	6.00	4.32		
Total BTEx	<0.300	0.300	12/16/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.9 % 69.9-140

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	12/17/2021	ND	416	104	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	12/16/2021	ND	205	102	200	6.39	
DRO >C10-C28*	<10.0	10.0	12/16/2021	ND	209	105	200	13.6	
EXT DRO >C28-C36	<10.0	10.0	12/16/2021	ND					

Surrogate: 1-Chlorooctane 66.1 % 62-130

Surrogate: 1-Chlorooctadecane 59.0 % 54.5-135

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 RYAN DICKERSON
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	12/16/2021	Sampling Date:	12/16/2021
Reported:	12/17/2021	Sampling Type:	Soil
Project Name:	WILDER PIPELINE MANIFOLD RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02383	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: SSW - 23 (H213634-04)

BTX 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/16/2021	ND	2.13	107	2.00	3.02		
Toluene*	<0.050	0.050	12/16/2021	ND	2.04	102	2.00	3.80		
Ethylbenzene*	<0.050	0.050	12/16/2021	ND	2.00	99.9	2.00	4.00		
Total Xylenes*	<0.150	0.150	12/16/2021	ND	6.07	101	6.00	4.32		
Total BTX	<0.300	0.300	12/16/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.4 % 69.9-140

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	12/17/2021	ND	416	104	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	12/16/2021	ND	205	102	200	6.39	
DRO >C10-C28*	<10.0	10.0	12/16/2021	ND	209	105	200	13.6	
EXT DRO >C28-C36	<10.0	10.0	12/16/2021	ND					

Surrogate: 1-Chlorooctane 79.4 % 62-130

Surrogate: 1-Chlorooctadecane 72.2 % 54.5-135

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 RYAN DICKERSON
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	12/16/2021	Sampling Date:	12/16/2021
Reported:	12/17/2021	Sampling Type:	Soil
Project Name:	WILDER PIPELINE MANIFOLD RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02383	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: SSW - 24 (H213634-05)

BTX 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/16/2021	ND	2.13	107	2.00	3.02		
Toluene*	<0.050	0.050	12/16/2021	ND	2.04	102	2.00	3.80		
Ethylbenzene*	<0.050	0.050	12/16/2021	ND	2.00	99.9	2.00	4.00		
Total Xylenes*	<0.150	0.150	12/16/2021	ND	6.07	101	6.00	4.32		
Total BTX	<0.300	0.300	12/16/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.4 % 69.9-140

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	12/17/2021	ND	416	104	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	12/16/2021	ND	205	102	200	6.39	
DRO >C10-C28*	<10.0	10.0	12/16/2021	ND	209	105	200	13.6	
EXT DRO >C28-C36	<10.0	10.0	12/16/2021	ND					

Surrogate: 1-Chlorooctane 67.3 % 62-130

Surrogate: 1-Chlorooctadecane 59.7 % 54.5-135

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 RYAN DICKERSON
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	12/16/2021	Sampling Date:	12/16/2021
Reported:	12/17/2021	Sampling Type:	Soil
Project Name:	WILDER PIPELINE MANIFOLD RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02383	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: NSW - 22 (H213634-06)

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	12/16/2021	ND	2.13	107	2.00	3.02	
Toluene*	<0.050	0.050	12/16/2021	ND	2.04	102	2.00	3.80	
Ethylbenzene*	<0.050	0.050	12/16/2021	ND	2.00	99.9	2.00	4.00	
Total Xylenes*	<0.150	0.150	12/16/2021	ND	6.07	101	6.00	4.32	
Total BTEx	<0.300	0.300	12/16/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.7 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	12/17/2021	ND	416	104	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	12/16/2021	ND	205	102	200	6.39	
DRO >C10-C28*	<10.0	10.0	12/16/2021	ND	209	105	200	13.6	
EXT DRO >C28-C36	<10.0	10.0	12/16/2021	ND					

Surrogate: 1-Chlorooctane 71.4 % 62-130

Surrogate: 1-Chlorooctadecane 65.1 % 54.5-135

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 RYAN DICKERSON
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	12/16/2021	Sampling Date:	12/16/2021
Reported:	12/17/2021	Sampling Type:	Soil
Project Name:	WILDER PIPELINE MANIFOLD RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02383	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: NSW - 23 (H213634-07)

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	12/16/2021	ND	2.13	107	2.00	3.02	
Toluene*	<0.050	0.050	12/16/2021	ND	2.04	102	2.00	3.80	
Ethylbenzene*	<0.050	0.050	12/16/2021	ND	2.00	99.9	2.00	4.00	
Total Xylenes*	<0.150	0.150	12/16/2021	ND	6.07	101	6.00	4.32	
Total BTEx	<0.300	0.300	12/16/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.9 % 69.9-140

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	12/17/2021	ND	416	104	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	12/16/2021	ND	205	102	200	6.39	
DRO >C10-C28*	<10.0	10.0	12/16/2021	ND	209	105	200	13.6	
EXT DRO >C28-C36	<10.0	10.0	12/16/2021	ND					

Surrogate: 1-Chlorooctane 71.4 % 62-130

Surrogate: 1-Chlorooctadecane 65.1 % 54.5-135

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 RYAN DICKERSON
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	12/16/2021	Sampling Date:	12/16/2021
Reported:	12/17/2021	Sampling Type:	Soil
Project Name:	WILDER PIPELINE MANIFOLD RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02383	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: NSW - 24 (H213634-08)

BTX 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/16/2021	ND	2.13	107	2.00	3.02		
Toluene*	<0.050	0.050	12/16/2021	ND	2.04	102	2.00	3.80		
Ethylbenzene*	<0.050	0.050	12/16/2021	ND	2.00	99.9	2.00	4.00		
Total Xylenes*	<0.150	0.150	12/16/2021	ND	6.07	101	6.00	4.32		
Total BTX	<0.300	0.300	12/16/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.3 % 69.9-140

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	12/17/2021	ND	416	104	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	12/16/2021	ND	205	102	200	6.39	
DRO >C10-C28*	<10.0	10.0	12/16/2021	ND	209	105	200	13.6	
EXT DRO >C28-C36	<10.0	10.0	12/16/2021	ND					

Surrogate: 1-Chlorooctane 76.1 % 62-130

Surrogate: 1-Chlorooctadecane 68.5 % 54.5-135

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH
 RYAN DICKERSON
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	12/16/2021	Sampling Date:	12/16/2021
Reported:	12/17/2021	Sampling Type:	Soil
Project Name:	WILDER PIPELINE MANIFOLD RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02383	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: NSW - 25 (H213634-09)

BTX 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/16/2021	ND	2.13	107	2.00	3.02		
Toluene*	<0.050	0.050	12/16/2021	ND	2.04	102	2.00	3.80		
Ethylbenzene*	<0.050	0.050	12/16/2021	ND	2.00	99.9	2.00	4.00		
Total Xylenes*	<0.150	0.150	12/16/2021	ND	6.07	101	6.00	4.32		
Total BTX	<0.300	0.300	12/16/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.9 % 69.9-140

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	12/17/2021	ND	416	104	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	12/16/2021	ND	205	102	200	6.39	
DRO >C10-C28*	<10.0	10.0	12/16/2021	ND	209	105	200	13.6	
EXT DRO >C28-C36	<10.0	10.0	12/16/2021	ND					

Surrogate: 1-Chlorooctane 74.0 % 62-130

Surrogate: 1-Chlorooctadecane 66.5 % 54.5-135

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 RYAN DICKERSON
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	12/16/2021	Sampling Date:	12/16/2021
Reported:	12/17/2021	Sampling Type:	Soil
Project Name:	WILDER PIPELINE MANIFOLD RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02383	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: FS - 29 (10') (H213634-10)

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	12/16/2021	ND	2.13	107	2.00	3.02		
Toluene*	<0.050	0.050	12/16/2021	ND	2.04	102	2.00	3.80		
Ethylbenzene*	<0.050	0.050	12/16/2021	ND	2.00	99.9	2.00	4.00		
Total Xylenes*	<0.150	0.150	12/16/2021	ND	6.07	101	6.00	4.32		
Total BTEX	<0.300	0.300	12/16/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.1 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	8660	16.0	12/17/2021	ND	416	104	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	12/16/2021	ND	205	102	200	6.39	
DRO >C10-C28*	<10.0	10.0	12/16/2021	ND	209	105	200	13.6	
EXT DRO >C28-C36	<10.0	10.0	12/16/2021	ND					

Surrogate: 1-Chlorooctane 66.0 % 62-130

Surrogate: 1-Chlorooctadecane 60.5 % 54.5-135

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 RYAN DICKERSON
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	12/16/2021	Sampling Date:	12/16/2021
Reported:	12/17/2021	Sampling Type:	Soil
Project Name:	WILDER PIPELINE MANIFOLD RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02383	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: FS - 30 (10') (H213634-11)

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	12/16/2021	ND	2.13	107	2.00	3.02	
Toluene*	<0.050	0.050	12/16/2021	ND	2.04	102	2.00	3.80	
Ethylbenzene*	<0.050	0.050	12/16/2021	ND	2.00	99.9	2.00	4.00	
Total Xylenes*	<0.150	0.150	12/16/2021	ND	6.07	101	6.00	4.32	
Total BTEX	<0.300	0.300	12/16/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.1 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	7860	16.0	12/17/2021	ND	416	104	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	12/16/2021	ND	205	102	200	6.39	
DRO >C10-C28*	<10.0	10.0	12/16/2021	ND	209	105	200	13.6	
EXT DRO >C28-C36	<10.0	10.0	12/16/2021	ND					

Surrogate: 1-Chlorooctane 72.0 % 62-130

Surrogate: 1-Chlorooctadecane 66.0 % 54.5-135

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 RYAN DICKERSON
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	12/16/2021	Sampling Date:	12/16/2021
Reported:	12/17/2021	Sampling Type:	Soil
Project Name:	WILDER PIPELINE MANIFOLD RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02383	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: FS - 31 (10') (H213634-12)

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	12/16/2021	ND	2.13	107	2.00	3.02	
Toluene*	<0.050	0.050	12/16/2021	ND	2.04	102	2.00	3.80	
Ethylbenzene*	<0.050	0.050	12/16/2021	ND	2.00	99.9	2.00	4.00	
Total Xylenes*	<0.150	0.150	12/16/2021	ND	6.07	101	6.00	4.32	
Total BTEX	<0.300	0.300	12/16/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.2 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5860	16.0	12/17/2021	ND	416	104	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	12/16/2021	ND	205	102	200	6.39	
DRO >C10-C28*	<10.0	10.0	12/16/2021	ND	209	105	200	13.6	
EXT DRO >C28-C36	<10.0	10.0	12/16/2021	ND					

Surrogate: 1-Chlorooctane 73.8 % 62-130

Surrogate: 1-Chlorooctadecane 68.0 % 54.5-135

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Analytical Results For:

TETRA TECH
 RYAN DICKERSON
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	12/16/2021	Sampling Date:	12/16/2021
Reported:	12/17/2021	Sampling Type:	Soil
Project Name:	WILDER PIPELINE MANIFOLD RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02383	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: FS - 32 (10') (H213634-13)

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/16/2021	ND	2.13	107	2.00	3.02		
Toluene*	<0.050	0.050	12/16/2021	ND	2.04	102	2.00	3.80		
Ethylbenzene*	<0.050	0.050	12/16/2021	ND	2.00	99.9	2.00	4.00		
Total Xylenes*	<0.150	0.150	12/16/2021	ND	6.07	101	6.00	4.32		
Total BTEX	<0.300	0.300	12/16/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.2 % 69.9-140

Chloride, SM4500Cl-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	12/17/2021	ND	416	104	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	12/16/2021	ND	205	102	200	6.39	
DRO >C10-C28*	<10.0	10.0	12/16/2021	ND	209	105	200	13.6	
EXT DRO >C28-C36	<10.0	10.0	12/16/2021	ND					

Surrogate: 1-Chlorooctane 71.6 % 62-130

Surrogate: 1-Chlorooctadecane 66.1 % 54.5-135

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 RYAN DICKERSON
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	12/16/2021	Sampling Date:	12/16/2021
Reported:	12/17/2021	Sampling Type:	Soil
Project Name:	WILDER PIPELINE MANIFOLD RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02383	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: FS - 33 (10') (H213634-14)

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	12/16/2021	ND	2.13	107	2.00	3.02	
Toluene*	<0.050	0.050	12/16/2021	ND	2.04	102	2.00	3.80	
Ethylbenzene*	<0.050	0.050	12/16/2021	ND	2.00	99.9	2.00	4.00	
Total Xylenes*	<0.150	0.150	12/16/2021	ND	6.07	101	6.00	4.32	
Total BTEX	<0.300	0.300	12/16/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.6 % 69.9-140

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	12/17/2021	ND	416	104	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	12/16/2021	ND	205	102	200	6.39	
DRO >C10-C28*	<10.0	10.0	12/16/2021	ND	209	105	200	13.6	
EXT DRO >C28-C36	<10.0	10.0	12/16/2021	ND					

Surrogate: 1-Chlorooctane 78.0 % 62-130

Surrogate: 1-Chlorooctadecane 73.0 % 54.5-135

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 RYAN DICKERSON
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	12/16/2021	Sampling Date:	12/16/2021
Reported:	12/17/2021	Sampling Type:	Soil
Project Name:	WILDER PIPELINE MANIFOLD RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02383	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: FS - 34 (10') (H213634-15)

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/16/2021	ND	2.13	107	2.00	3.02		
Toluene*	<0.050	0.050	12/16/2021	ND	2.04	102	2.00	3.80		
Ethylbenzene*	<0.050	0.050	12/16/2021	ND	2.00	99.9	2.00	4.00		
Total Xylenes*	<0.150	0.150	12/16/2021	ND	6.07	101	6.00	4.32		
Total BTEx	<0.300	0.300	12/16/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.2 % 69.9-140

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	12/17/2021	ND	416	104	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	12/16/2021	ND	205	102	200	6.39	
DRO >C10-C28*	<10.0	10.0	12/16/2021	ND	209	105	200	13.6	
EXT DRO >C28-C36	<10.0	10.0	12/16/2021	ND					

Surrogate: 1-Chlorooctane 70.7 % 62-130

Surrogate: 1-Chlorooctadecane 64.8 % 54.5-135

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 RYAN DICKERSON
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	12/16/2021	Sampling Date:	12/16/2021
Reported:	12/17/2021	Sampling Type:	Soil
Project Name:	WILDER PIPELINE MANIFOLD RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02383	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: FS - 35 (10') (H213634-16)

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	12/16/2021	ND	2.13	107	2.00	3.02		
Toluene*	<0.050	0.050	12/16/2021	ND	2.04	102	2.00	3.80		
Ethylbenzene*	<0.050	0.050	12/16/2021	ND	2.00	99.9	2.00	4.00		
Total Xylenes*	<0.150	0.150	12/16/2021	ND	6.07	101	6.00	4.32		
Total BTEX	<0.300	0.300	12/16/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.9 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	12/17/2021	ND	416	104	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	12/16/2021	ND	205	102	200	6.39	
DRO >C10-C28*	<10.0	10.0	12/16/2021	ND	209	105	200	13.6	
EXT DRO >C28-C36	<10.0	10.0	12/16/2021	ND					

Surrogate: 1-Chlorooctane 67.5 % 62-130

Surrogate: 1-Chlorooctadecane 62.0 % 54.5-135

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Analytical Results For:

TETRA TECH
 RYAN DICKERSON
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	12/16/2021	Sampling Date:	12/16/2021
Reported:	12/17/2021	Sampling Type:	Soil
Project Name:	WILDER PIPELINE MANIFOLD RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02383	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: FS - 36 (10') (H213634-17)

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	12/16/2021	ND	2.13	107	2.00	3.02		
Toluene*	<0.050	0.050	12/16/2021	ND	2.04	102	2.00	3.80		
Ethylbenzene*	<0.050	0.050	12/16/2021	ND	2.00	99.9	2.00	4.00		
Total Xylenes*	<0.150	0.150	12/16/2021	ND	6.07	101	6.00	4.32		
Total BTEX	<0.300	0.300	12/16/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.4 % 69.9-140

Chloride, SM4500Cl-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	12/17/2021	ND	416	104	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	12/16/2021	ND	205	102	200	6.39	
DRO >C10-C28*	<10.0	10.0	12/16/2021	ND	209	105	200	13.6	
EXT DRO >C28-C36	<10.0	10.0	12/16/2021	ND					

Surrogate: 1-Chlorooctane 70.6 % 62-130

Surrogate: 1-Chlorooctadecane 64.8 % 54.5-135

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 RYAN DICKERSON
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	12/16/2021	Sampling Date:	12/16/2021
Reported:	12/17/2021	Sampling Type:	Soil
Project Name:	WILDER PIPELINE MANIFOLD RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02383	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: FS - 27 (8') (H213634-18)

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	12/16/2021	ND	2.13	107	2.00	3.02	
Toluene*	<0.050	0.050	12/16/2021	ND	2.04	102	2.00	3.80	
Ethylbenzene*	<0.050	0.050	12/16/2021	ND	2.00	99.9	2.00	4.00	
Total Xylenes*	<0.150	0.150	12/16/2021	ND	6.07	101	6.00	4.32	
Total BTEX	<0.300	0.300	12/16/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.7 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	9330	16.0	12/17/2021	ND	416	104	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	12/16/2021	ND	205	102	200	6.39	
DRO >C10-C28*	<10.0	10.0	12/16/2021	ND	209	105	200	13.6	
EXT DRO >C28-C36	<10.0	10.0	12/16/2021	ND					

Surrogate: 1-Chlorooctane 69.2 % 62-130

Surrogate: 1-Chlorooctadecane 63.9 % 54.5-135

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 RYAN DICKERSON
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	12/16/2021	Sampling Date:	12/16/2021
Reported:	12/17/2021	Sampling Type:	Soil
Project Name:	WILDER PIPELINE MANIFOLD RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02383	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: FS - 28 (8') (H213634-19)

BTX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/16/2021	ND	2.13	107	2.00	3.02	
Toluene*	<0.050	0.050	12/16/2021	ND	2.04	102	2.00	3.80	
Ethylbenzene*	<0.050	0.050	12/16/2021	ND	2.00	99.9	2.00	4.00	
Total Xylenes*	<0.150	0.150	12/16/2021	ND	6.07	101	6.00	4.32	
Total BTX	<0.300	0.300	12/16/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.6 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	9200	16.0	12/17/2021	ND	416	104	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	12/16/2021	ND	205	102	200	6.39	
DRO >C10-C28*	<10.0	10.0	12/16/2021	ND	209	105	200	13.6	
EXT DRO >C28-C36	<10.0	10.0	12/16/2021	ND					

Surrogate: 1-Chlorooctane 71.0 % 62-130

Surrogate: 1-Chlorooctadecane 65.2 % 54.5-135

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 RYAN DICKERSON
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	12/16/2021	Sampling Date:	12/16/2021
Reported:	12/17/2021	Sampling Type:	Soil
Project Name:	WILDER PIPELINE MANIFOLD RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02383	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: NSW - 20 (H213634-20)

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	12/16/2021	ND	2.13	107	2.00	3.02	
Toluene*	<0.050	0.050	12/16/2021	ND	2.04	102	2.00	3.80	
Ethylbenzene*	<0.050	0.050	12/16/2021	ND	2.00	99.9	2.00	4.00	
Total Xylenes*	<0.150	0.150	12/16/2021	ND	6.07	101	6.00	4.32	
Total BTEx	<0.300	0.300	12/16/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.8 % 69.9-140

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	12/17/2021	ND	416	104	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	12/16/2021	ND	205	102	200	6.39	
DRO >C10-C28*	<10.0	10.0	12/16/2021	ND	209	105	200	13.6	
EXT DRO >C28-C36	<10.0	10.0	12/16/2021	ND					

Surrogate: 1-Chlorooctane 66.7 % 62-130

Surrogate: 1-Chlorooctadecane 61.8 % 54.5-135

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Analytical Results For:

TETRA TECH
 RYAN DICKERSON
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	12/16/2021	Sampling Date:	12/16/2021
Reported:	12/17/2021	Sampling Type:	Soil
Project Name:	WILDER PIPELINE MANIFOLD RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02383	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: NSW - 21 (H213634-21)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/17/2021	ND	2.02	101	2.00	2.33		
Toluene*	<0.050	0.050	12/17/2021	ND	2.13	107	2.00	5.76		
Ethylbenzene*	<0.050	0.050	12/17/2021	ND	2.18	109	2.00	6.71		
Total Xylenes*	<0.150	0.150	12/17/2021	ND	7.12	119	6.00	6.52		
Total BTEx	<0.300	0.300	12/17/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	12/17/2021	ND	416	104	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	12/17/2021	ND	199	99.6	200	0.524	
DRO >C10-C28*	<10.0	10.0	12/17/2021	ND	190	95.0	200	4.37	
EXT DRO >C28-C36	<10.0	10.0	12/17/2021	ND					

Surrogate: 1-Chlorooctane 66.2 % 62-130

Surrogate: 1-Chlorooctadecane 62.6 % 54.5-135

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Analytical Results For:

TETRA TECH
 RYAN DICKERSON
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	12/16/2021	Sampling Date:	12/16/2021
Reported:	12/17/2021	Sampling Type:	Soil
Project Name:	WILDER PIPELINE MANIFOLD RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02383	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: SSW - 18 (H213634-22)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/17/2021	ND	2.02	101	2.00	2.33		
Toluene*	<0.050	0.050	12/17/2021	ND	2.13	107	2.00	5.76		
Ethylbenzene*	<0.050	0.050	12/17/2021	ND	2.18	109	2.00	6.71		
Total Xylenes*	<0.150	0.150	12/17/2021	ND	7.12	119	6.00	6.52		
Total BTEx	<0.300	0.300	12/17/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

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	12/17/2021	ND	416	104	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	12/16/2021	ND	199	99.6	200	0.524	
DRO >C10-C28*	<10.0	10.0	12/16/2021	ND	190	95.0	200	4.37	
EXT DRO >C28-C36	<10.0	10.0	12/16/2021	ND					

Surrogate: 1-Chlorooctane 64.8 % 62-130

Surrogate: 1-Chlorooctadecane 63.9 % 54.5-135

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Analytical Results For:

TETRA TECH
 RYAN DICKERSON
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	12/16/2021	Sampling Date:	12/16/2021
Reported:	12/17/2021	Sampling Type:	Soil
Project Name:	WILDER PIPELINE MANIFOLD RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02383	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: SSW - 19 (H213634-23)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/17/2021	ND	2.02	101	2.00	2.33	
Toluene*	<0.050	0.050	12/17/2021	ND	2.13	107	2.00	5.76	
Ethylbenzene*	<0.050	0.050	12/17/2021	ND	2.18	109	2.00	6.71	
Total Xylenes*	<0.150	0.150	12/17/2021	ND	7.12	119	6.00	6.52	
Total BTEx	<0.300	0.300	12/17/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

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	12/17/2021	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/16/2021	ND	199	99.6	200	0.524	
DRO >C10-C28*	<10.0	10.0	12/16/2021	ND	190	95.0	200	4.37	
EXT DRO >C28-C36	<10.0	10.0	12/16/2021	ND					

Surrogate: 1-Chlorooctane 65.5 % 62-130

Surrogate: 1-Chlorooctadecane 64.0 % 54.5-135

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Notes and Definitions

QR-04	The RPD for the BS/BSD was outside of historical limits.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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

Celey D. Keene, Lab Director/Quality Manager

Analysis Request of Chain of Custody Record

Page 1 of 3



Tetra Tech, Inc.

 901 West Wall Street, Ste. 100
 Midland, Texas 79701
 Tel (432) 682-4559
 Fax (432) 682-3946

Client Name:

Conoco Phillips

Site Manager:

Ryan Dickerson

Project Name:

Wulder Pipeline Manifold Release

Project Location:

Lea County, NM

Project #:

210C-MD-08383

Invoice to:

Accounts payable TetraTech 8911 N Capital of Texas Highway Ste. 3310

Receiving Laboratory:

Cardinal Lab

Sample Signature:

Comments:

Ryan.dickerson@tetratech.com & devin.dominguez@tetratech.com

ANALYSIS REQUEST

(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION		SAMPLING		MATRIX		PRESERVATIVE METHOD		# CONTAINERS		FILTERED (Y/N)		LAB USE ONLY	
	DATE	TIME	WATER	SOIL	HCL	HNO ₃	ICE	None	1	2	3	4	5	
1	55W-20	12/16	8:00	X			X			1	2	X	X	
2	55W-21		8:10											
3	55W-22		8:20											
4	55W-23		8:30											
5	55W-24		8:40											
6	55W-25		8:50											
7	55W-26		9:00											
8	55W-27		9:10											
9	55W-28		9:20											
10	55W-29 (10')		9:30											

Hold

LAB USE ONLY	REMARKS:
<input type="checkbox"/> STANDARD <input checked="" type="checkbox"/> RUSH: Same Day 24 hr 48 hr 72 hr <input type="checkbox"/> Rush Charges Authorized <input type="checkbox"/> Special Report Limits or TRRP Report	Relinquished by: Date: 12/16/21 Time: 13:10 Received by: Date: 12-16-21 Time: 13:10 Relinquished by: Date: 12/16/21 Time: 13:10 Received by: Date: 12-16-21 Time: 13:10

 Sample Temperature
 2.7°C
 2.0.5°C
 2.2°C #113

(Circle) HAND DELIVERED FEDEX UPS Tracking #

ORIGINAL COPY

Analysis Request of Chain of Custody Record



Tetra Tech, Inc.

Midland, Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

Page 0 of _____

Page 27 of 28

Client Name:		Conoco Phillips		Site Manager:		Ryan Dickerson	
Project Name:		Wilder Pipeline Manifold Release					
Project Location:		(county, state)		Lea County, NM		Project #:	
Invoice to:				219C-MD-02383			
Receiving Laboratory:		Accounts payable Tetra Tech		8911 N Capital of Texas Highway Ste. 200		Sampler Signature:	
Comments:		Cardinal Lab					
LAB USE ONLY		SAMPLE IDENTIFICATION		SAMPLING		MATRIX	
				YEAR: 2007		PRESERVATIVE METHOD	
				DATE		TIME	
				WATER		SOIL	
				HCL		HNO ₃	
				ICE		None	
				# CONTAINERS			
				FILTERED (Y/N)			
				BTEX 8021B BTEX 8260B			
				TPH TX1005 (Ext to C35)			
				TPH 8015M (GRO - DRO - ORO - MRO)			
				PAH 8270C			
				Total Metals Ag As Ba Cd Cr Pb Se Hg			
				TCLP Metals Ag As Ba Cd Cr Pb Se Hg			
				TCLP Volatiles			
				TCLP Semi Volatiles			
				RCI			
				GC/MS Vol. 8260B / 624			
				GC/MS Semi. Vol. 8270C/625			
				PCB's 8082 / 608			
				NORM			
				PLM (Asbestos)			
				Chloride			
				Chloride Sulfate TDS			
				General Water Chemistry (see attached list)			
				Anion/Cation Balance			
				TPH 8015R			
				Hold			
Relinquished by:		Date: Time:		Received by:		Date: Time:	
Relinquished by:		Date: Time:		Received by:		Date: Time:	
Relinquished by:		Date: Time:		Received by:		Date: Time:	
LAB USE ONLY		REMARKS:		STANDARD		RUSH: Same Day (24 hr) 48 hr 72 hr	
Sample Temperature		Special Report Limits or TRRP Report		Rush Charges Authorized			
Original Hand Delivered FedEx UPS Tracking #:							

Tetra Tech, Inc.

West Wall Street, Ste 100
Midland, Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

Page 3 of 3

Page 28 of 28

ORIGINAL COPY



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

December 23, 2021

RYAN DICKERSON

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: WILDER PIPELINE MANIFOLD RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 12/23/21 8:10.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH
 RYAN DICKERSON
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	12/23/2021	Sampling Date:	12/22/2021
Reported:	12/23/2021	Sampling Type:	Soil
Project Name:	WILDER PIPELINE MANIFOLD RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02383	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: NSW - 10 (H213705-01)

BTX 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/23/2021	ND	2.09	104	2.00	3.72		
Toluene*	<0.050	0.050	12/23/2021	ND	2.01	101	2.00	3.20		
Ethylbenzene*	<0.050	0.050	12/23/2021	ND	1.92	96.0	2.00	3.72		
Total Xylenes*	<0.150	0.150	12/23/2021	ND	5.83	97.2	6.00	3.85		
Total BTX	<0.300	0.300	12/23/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.2 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	12/23/2021	ND	400	100	400	7.69		

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	12/23/2021	ND	194	96.8	200	16.2	
DRO >C10-C28*	<10.0	10.0	12/23/2021	ND	212	106	200	1.71	
EXT DRO >C28-C36	<10.0	10.0	12/23/2021	ND					

Surrogate: 1-Chlorooctane 90.2 % 62-130

Surrogate: 1-Chlorooctadecane 81.8 % 54.5-135

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 RYAN DICKERSON
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	12/23/2021	Sampling Date:	12/22/2021
Reported:	12/23/2021	Sampling Type:	Soil
Project Name:	WILDER PIPELINE MANIFOLD RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02383	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: NSW - 11 (H213705-02)

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	12/23/2021	ND	2.09	104	2.00	3.72		
Toluene*	<0.050	0.050	12/23/2021	ND	2.01	101	2.00	3.20		
Ethylbenzene*	<0.050	0.050	12/23/2021	ND	1.92	96.0	2.00	3.72		
Total Xylenes*	<0.150	0.150	12/23/2021	ND	5.83	97.2	6.00	3.85		
Total BTEX	<0.300	0.300	12/23/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.4 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	12/23/2021	ND	400	100	400	7.69		

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	12/23/2021	ND	194	96.8	200	16.2		
DRO >C10-C28*	<10.0	10.0	12/23/2021	ND	212	106	200	1.71		
EXT DRO >C28-C36	<10.0	10.0	12/23/2021	ND						

Surrogate: 1-Chlorooctane 91.3 % 62-130

Surrogate: 1-Chlorooctadecane 84.7 % 54.5-135

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 RYAN DICKERSON
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	12/23/2021	Sampling Date:	12/22/2021
Reported:	12/23/2021	Sampling Type:	Soil
Project Name:	WILDER PIPELINE MANIFOLD RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02383	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: NSW - 12 (H213705-03)

BTX 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/23/2021	ND	2.09	104	2.00	3.72		
Toluene*	<0.050	0.050	12/23/2021	ND	2.01	101	2.00	3.20		
Ethylbenzene*	<0.050	0.050	12/23/2021	ND	1.92	96.0	2.00	3.72		
Total Xylenes*	<0.150	0.150	12/23/2021	ND	5.83	97.2	6.00	3.85		
Total BTX	<0.300	0.300	12/23/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.3 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	12/23/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/23/2021	ND	194	96.8	200	16.2	
DRO >C10-C28*	<10.0	10.0	12/23/2021	ND	212	106	200	1.71	
EXT DRO >C28-C36	<10.0	10.0	12/23/2021	ND					

Surrogate: 1-Chlorooctane 94.2 % 62-130

Surrogate: 1-Chlorooctadecane 84.4 % 54.5-135

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 RYAN DICKERSON
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	12/23/2021	Sampling Date:	12/22/2021
Reported:	12/23/2021	Sampling Type:	Soil
Project Name:	WILDER PIPELINE MANIFOLD RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02383	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: NSW - 13 (H213705-04)

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	12/23/2021	ND	2.09	104	2.00	3.72		
Toluene*	<0.050	0.050	12/23/2021	ND	2.01	101	2.00	3.20		
Ethylbenzene*	<0.050	0.050	12/23/2021	ND	1.92	96.0	2.00	3.72		
Total Xylenes*	<0.150	0.150	12/23/2021	ND	5.83	97.2	6.00	3.85		
Total BTEX	<0.300	0.300	12/23/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.8 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/23/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/23/2021	ND	194	96.8	200	16.2	
DRO >C10-C28*	<10.0	10.0	12/23/2021	ND	212	106	200	1.71	
EXT DRO >C28-C36	<10.0	10.0	12/23/2021	ND					

Surrogate: 1-Chlorooctane 86.4 % 62-130

Surrogate: 1-Chlorooctadecane 77.5 % 54.5-135

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 RYAN DICKERSON
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	12/23/2021	Sampling Date:	12/22/2021
Reported:	12/23/2021	Sampling Type:	Soil
Project Name:	WILDER PIPELINE MANIFOLD RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02383	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: NSW - 14 (H213705-05)

BTX 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/23/2021	ND	2.09	104	2.00	3.72		
Toluene*	<0.050	0.050	12/23/2021	ND	2.01	101	2.00	3.20		
Ethylbenzene*	<0.050	0.050	12/23/2021	ND	1.92	96.0	2.00	3.72		
Total Xylenes*	<0.150	0.150	12/23/2021	ND	5.83	97.2	6.00	3.85		
Total BTX	<0.300	0.300	12/23/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.5 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	12/23/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/23/2021	ND	194	96.8	200	16.2	
DRO >C10-C28*	<10.0	10.0	12/23/2021	ND	212	106	200	1.71	
EXT DRO >C28-C36	<10.0	10.0	12/23/2021	ND					

Surrogate: 1-Chlorooctane 92.6 % 62-130

Surrogate: 1-Chlorooctadecane 79.2 % 54.5-135

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 RYAN DICKERSON
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	12/23/2021	Sampling Date:	12/22/2021
Reported:	12/23/2021	Sampling Type:	Soil
Project Name:	WILDER PIPELINE MANIFOLD RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02383	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: NSW - 15 (H213705-06)

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	12/23/2021	ND	2.09	104	2.00	3.72		
Toluene*	<0.050	0.050	12/23/2021	ND	2.01	101	2.00	3.20		
Ethylbenzene*	<0.050	0.050	12/23/2021	ND	1.92	96.0	2.00	3.72		
Total Xylenes*	<0.150	0.150	12/23/2021	ND	5.83	97.2	6.00	3.85		
Total BTEx	<0.300	0.300	12/23/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.0 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	12/23/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/23/2021	ND	194	96.8	200	16.2	
DRO >C10-C28*	<10.0	10.0	12/23/2021	ND	212	106	200	1.71	
EXT DRO >C28-C36	<10.0	10.0	12/23/2021	ND					

Surrogate: 1-Chlorooctane 85.5 % 62-130

Surrogate: 1-Chlorooctadecane 72.4 % 54.5-135

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 RYAN DICKERSON
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	12/23/2021	Sampling Date:	12/22/2021
Reported:	12/23/2021	Sampling Type:	Soil
Project Name:	WILDER PIPELINE MANIFOLD RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02383	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: NSW - 16 (H213705-07)

BTX 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/23/2021	ND	2.09	104	2.00	3.72		
Toluene*	<0.050	0.050	12/23/2021	ND	2.01	101	2.00	3.20		
Ethylbenzene*	<0.050	0.050	12/23/2021	ND	1.92	96.0	2.00	3.72		
Total Xylenes*	<0.150	0.150	12/23/2021	ND	5.83	97.2	6.00	3.85		
Total BTX	<0.300	0.300	12/23/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.3 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	12/23/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/23/2021	ND	194	96.8	200	16.2	
DRO >C10-C28*	<10.0	10.0	12/23/2021	ND	212	106	200	1.71	
EXT DRO >C28-C36	<10.0	10.0	12/23/2021	ND					

Surrogate: 1-Chlorooctane 89.5 % 62-130

Surrogate: 1-Chlorooctadecane 75.8 % 54.5-135

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 RYAN DICKERSON
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	12/23/2021	Sampling Date:	12/22/2021
Reported:	12/23/2021	Sampling Type:	Soil
Project Name:	WILDER PIPELINE MANIFOLD RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02383	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: NSW - 17 (H213705-08)

BTX 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/23/2021	ND	2.09	104	2.00	3.72		
Toluene*	<0.050	0.050	12/23/2021	ND	2.01	101	2.00	3.20		
Ethylbenzene*	<0.050	0.050	12/23/2021	ND	1.92	96.0	2.00	3.72		
Total Xylenes*	<0.150	0.150	12/23/2021	ND	5.83	97.2	6.00	3.85		
Total BTX	<0.300	0.300	12/23/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.9 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	12/23/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/23/2021	ND	194	96.8	200	16.2	
DRO >C10-C28*	<10.0	10.0	12/23/2021	ND	212	106	200	1.71	
EXT DRO >C28-C36	<10.0	10.0	12/23/2021	ND					

Surrogate: 1-Chlorooctane 89.5 % 62-130

Surrogate: 1-Chlorooctadecane 76.0 % 54.5-135

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH
 RYAN DICKERSON
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	12/23/2021	Sampling Date:	12/22/2021
Reported:	12/23/2021	Sampling Type:	Soil
Project Name:	WILDER PIPELINE MANIFOLD RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02383	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: NSW - 18 (H213705-09)

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	12/23/2021	ND	2.09	104	2.00	3.72		
Toluene*	<0.050	0.050	12/23/2021	ND	2.01	101	2.00	3.20		
Ethylbenzene*	<0.050	0.050	12/23/2021	ND	1.92	96.0	2.00	3.72		
Total Xylenes*	<0.150	0.150	12/23/2021	ND	5.83	97.2	6.00	3.85		
Total BTEx	<0.300	0.300	12/23/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.2 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	12/23/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/23/2021	ND	208	104	200	2.37	
DRO >C10-C28*	<10.0	10.0	12/23/2021	ND	219	109	200	3.58	
EXT DRO >C28-C36	<10.0	10.0	12/23/2021	ND					

Surrogate: 1-Chlorooctane 85.5 % 62-130

Surrogate: 1-Chlorooctadecane 89.3 % 54.5-135

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Analytical Results For:

TETRA TECH
 RYAN DICKERSON
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	12/23/2021	Sampling Date:	12/22/2021
Reported:	12/23/2021	Sampling Type:	Soil
Project Name:	WILDER PIPELINE MANIFOLD RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02383	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: NSW - 19 (H213705-10)

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	12/23/2021	ND	2.09	104	2.00	3.72		
Toluene*	<0.050	0.050	12/23/2021	ND	2.01	101	2.00	3.20		
Ethylbenzene*	<0.050	0.050	12/23/2021	ND	1.92	96.0	2.00	3.72		
Total Xylenes*	<0.150	0.150	12/23/2021	ND	5.83	97.2	6.00	3.85		
Total BTEx	<0.300	0.300	12/23/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.9 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	12/23/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/23/2021	ND	208	104	200	2.37	
DRO >C10-C28*	<10.0	10.0	12/23/2021	ND	219	109	200	3.58	
EXT DRO >C28-C36	<10.0	10.0	12/23/2021	ND					

Surrogate: 1-Chlorooctane 88.7 % 62-130

Surrogate: 1-Chlorooctadecane 92.8 % 54.5-135

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 RYAN DICKERSON
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	12/23/2021	Sampling Date:	12/22/2021
Reported:	12/23/2021	Sampling Type:	Soil
Project Name:	WILDER PIPELINE MANIFOLD RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02383	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: SSW - 6 (H213705-11)

BTX 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/23/2021	ND	2.09	104	2.00	3.72		
Toluene*	<0.050	0.050	12/23/2021	ND	2.01	101	2.00	3.20		
Ethylbenzene*	<0.050	0.050	12/23/2021	ND	1.92	96.0	2.00	3.72		
Total Xylenes*	<0.150	0.150	12/23/2021	ND	5.83	97.2	6.00	3.85		
Total BTX	<0.300	0.300	12/23/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.0 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	12/23/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/23/2021	ND	208	104	200	2.37	
DRO >C10-C28*	<10.0	10.0	12/23/2021	ND	219	109	200	3.58	
EXT DRO >C28-C36	<10.0	10.0	12/23/2021	ND					

Surrogate: 1-Chlorooctane 84.8 % 62-130

Surrogate: 1-Chlorooctadecane 89.7 % 54.5-135

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 RYAN DICKERSON
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	12/23/2021	Sampling Date:	12/22/2021
Reported:	12/23/2021	Sampling Type:	Soil
Project Name:	WILDER PIPELINE MANIFOLD RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02383	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: SSW - 7 (H213705-12)

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	12/23/2021	ND	2.09	104	2.00	3.72		
Toluene*	<0.050	0.050	12/23/2021	ND	2.01	101	2.00	3.20		
Ethylbenzene*	<0.050	0.050	12/23/2021	ND	1.92	96.0	2.00	3.72		
Total Xylenes*	<0.150	0.150	12/23/2021	ND	5.83	97.2	6.00	3.85		
Total BTEx	<0.300	0.300	12/23/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.6 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	12/23/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/23/2021	ND	208	104	200	2.37	
DRO >C10-C28*	<10.0	10.0	12/23/2021	ND	219	109	200	3.58	
EXT DRO >C28-C36	<10.0	10.0	12/23/2021	ND					

Surrogate: 1-Chlorooctane 85.8 % 62-130

Surrogate: 1-Chlorooctadecane 91.1 % 54.5-135

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Analytical Results For:

TETRA TECH
 RYAN DICKERSON
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	12/23/2021	Sampling Date:	12/22/2021
Reported:	12/23/2021	Sampling Type:	Soil
Project Name:	WILDER PIPELINE MANIFOLD RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02383	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: SSW - 8 (H213705-13)

BTX 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/23/2021	ND	2.09	104	2.00	3.72		
Toluene*	<0.050	0.050	12/23/2021	ND	2.01	101	2.00	3.20		
Ethylbenzene*	<0.050	0.050	12/23/2021	ND	1.92	96.0	2.00	3.72		
Total Xylenes*	<0.150	0.150	12/23/2021	ND	5.83	97.2	6.00	3.85		
Total BTX	<0.300	0.300	12/23/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.2 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	12/23/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/23/2021	ND	208	104	200	2.37	
DRO >C10-C28*	<10.0	10.0	12/23/2021	ND	219	109	200	3.58	
EXT DRO >C28-C36	<10.0	10.0	12/23/2021	ND					

Surrogate: 1-Chlorooctane 73.8 % 62-130

Surrogate: 1-Chlorooctadecane 78.3 % 54.5-135

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 RYAN DICKERSON
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	12/23/2021	Sampling Date:	12/22/2021
Reported:	12/23/2021	Sampling Type:	Soil
Project Name:	WILDER PIPELINE MANIFOLD RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02383	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: SSW - 9 (H213705-14)

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	12/23/2021	ND	2.09	104	2.00	3.72		
Toluene*	<0.050	0.050	12/23/2021	ND	2.01	101	2.00	3.20		
Ethylbenzene*	<0.050	0.050	12/23/2021	ND	1.92	96.0	2.00	3.72		
Total Xylenes*	<0.150	0.150	12/23/2021	ND	5.83	97.2	6.00	3.85		
Total BTEx	<0.300	0.300	12/23/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.1 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	12/23/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/23/2021	ND	208	104	200	2.37	
DRO >C10-C28*	<10.0	10.0	12/23/2021	ND	219	109	200	3.58	
EXT DRO >C28-C36	<10.0	10.0	12/23/2021	ND					

Surrogate: 1-Chlorooctane 78.8 % 62-130

Surrogate: 1-Chlorooctadecane 83.8 % 54.5-135

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 RYAN DICKERSON
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	12/23/2021	Sampling Date:	12/22/2021
Reported:	12/23/2021	Sampling Type:	Soil
Project Name:	WILDER PIPELINE MANIFOLD RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02383	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: SSW - 10 (H213705-15)

BTX 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/23/2021	ND	2.09	104	2.00	3.72		
Toluene*	<0.050	0.050	12/23/2021	ND	2.01	101	2.00	3.20		
Ethylbenzene*	<0.050	0.050	12/23/2021	ND	1.92	96.0	2.00	3.72		
Total Xylenes*	<0.150	0.150	12/23/2021	ND	5.83	97.2	6.00	3.85		
Total BTX	<0.300	0.300	12/23/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.8 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	12/23/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/23/2021	ND	208	104	200	2.37	
DRO >C10-C28*	<10.0	10.0	12/23/2021	ND	219	109	200	3.58	
EXT DRO >C28-C36	<10.0	10.0	12/23/2021	ND					

Surrogate: 1-Chlorooctane 72.6 % 62-130

Surrogate: 1-Chlorooctadecane 76.2 % 54.5-135

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 RYAN DICKERSON
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	12/23/2021	Sampling Date:	12/22/2021
Reported:	12/23/2021	Sampling Type:	Soil
Project Name:	WILDER PIPELINE MANIFOLD RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02383	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: SSW - 11 (H213705-16)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/23/2021	ND	2.00	100	2.00	3.20	
Toluene*	<0.050	0.050	12/23/2021	ND	2.03	101	2.00	0.791	
Ethylbenzene*	<0.050	0.050	12/23/2021	ND	2.07	104	2.00	1.35	
Total Xylenes*	<0.150	0.150	12/23/2021	ND	6.51	109	6.00	1.28	
Total BTEx	<0.300	0.300	12/23/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	12/23/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/23/2021	ND	208	104	200	2.37	
DRO >C10-C28*	<10.0	10.0	12/23/2021	ND	219	109	200	3.58	
EXT DRO >C28-C36	<10.0	10.0	12/23/2021	ND					

Surrogate: 1-Chlorooctane 85.2 % 62-130

Surrogate: 1-Chlorooctadecane 89.5 % 54.5-135

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH
 RYAN DICKERSON
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	12/23/2021	Sampling Date:	12/22/2021
Reported:	12/23/2021	Sampling Type:	Soil
Project Name:	WILDER PIPELINE MANIFOLD RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02383	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: SSW - 12 (H213705-17)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/23/2021	ND	2.00	100	2.00	3.20	
Toluene*	<0.050	0.050	12/23/2021	ND	2.03	101	2.00	0.791	
Ethylbenzene*	<0.050	0.050	12/23/2021	ND	2.07	104	2.00	1.35	
Total Xylenes*	<0.150	0.150	12/23/2021	ND	6.51	109	6.00	1.28	
Total BTEx	<0.300	0.300	12/23/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	12/23/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/23/2021	ND	208	104	200	2.37	
DRO >C10-C28*	<10.0	10.0	12/23/2021	ND	219	109	200	3.58	
EXT DRO >C28-C36	<10.0	10.0	12/23/2021	ND					

Surrogate: 1-Chlorooctane 88.1 % 62-130

Surrogate: 1-Chlorooctadecane 93.1 % 54.5-135

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 RYAN DICKERSON
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	12/23/2021	Sampling Date:	12/22/2021
Reported:	12/23/2021	Sampling Type:	Soil
Project Name:	WILDER PIPELINE MANIFOLD RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02383	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: SSW - 13 (H213705-18)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/23/2021	ND	2.00	100	2.00	3.20	
Toluene*	<0.050	0.050	12/23/2021	ND	2.03	101	2.00	0.791	
Ethylbenzene*	<0.050	0.050	12/23/2021	ND	2.07	104	2.00	1.35	
Total Xylenes*	<0.150	0.150	12/23/2021	ND	6.51	109	6.00	1.28	
Total BTEx	<0.300	0.300	12/23/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	12/23/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/23/2021	ND	208	104	200	2.37	
DRO >C10-C28*	<10.0	10.0	12/23/2021	ND	219	109	200	3.58	
EXT DRO >C28-C36	<10.0	10.0	12/23/2021	ND					

Surrogate: 1-Chlorooctane 90.3 % 62-130

Surrogate: 1-Chlorooctadecane 94.6 % 54.5-135

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 RYAN DICKERSON
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	12/23/2021	Sampling Date:	12/22/2021
Reported:	12/23/2021	Sampling Type:	Soil
Project Name:	WILDER PIPELINE MANIFOLD RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02383	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: SSW - 14 (H213705-19)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/23/2021	ND	2.00	100	2.00	3.20	
Toluene*	<0.050	0.050	12/23/2021	ND	2.03	101	2.00	0.791	
Ethylbenzene*	<0.050	0.050	12/23/2021	ND	2.07	104	2.00	1.35	
Total Xylenes*	<0.150	0.150	12/23/2021	ND	6.51	109	6.00	1.28	
Total BTEx	<0.300	0.300	12/23/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	12/23/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/23/2021	ND	208	104	200	2.37	
DRO >C10-C28*	<10.0	10.0	12/23/2021	ND	219	109	200	3.58	
EXT DRO >C28-C36	<10.0	10.0	12/23/2021	ND					

Surrogate: 1-Chlorooctane 74.4 % 62-130

Surrogate: 1-Chlorooctadecane 77.8 % 54.5-135

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 RYAN DICKERSON
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	12/23/2021	Sampling Date:	12/22/2021
Reported:	12/23/2021	Sampling Type:	Soil
Project Name:	WILDER PIPELINE MANIFOLD RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02383	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: SSW - 15 (H213705-20)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/23/2021	ND	2.00	100	2.00	3.20	
Toluene*	<0.050	0.050	12/23/2021	ND	2.03	101	2.00	0.791	
Ethylbenzene*	<0.050	0.050	12/23/2021	ND	2.07	104	2.00	1.35	
Total Xylenes*	<0.150	0.150	12/23/2021	ND	6.51	109	6.00	1.28	
Total BTEx	<0.300	0.300	12/23/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	12/23/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/23/2021	ND	208	104	200	2.37	
DRO >C10-C28*	<10.0	10.0	12/23/2021	ND	219	109	200	3.58	
EXT DRO >C28-C36	<10.0	10.0	12/23/2021	ND					

Surrogate: 1-Chlorooctane 92.3 % 62-130

Surrogate: 1-Chlorooctadecane 97.2 % 54.5-135

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 RYAN DICKERSON
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	12/23/2021	Sampling Date:	12/22/2021
Reported:	12/23/2021	Sampling Type:	Soil
Project Name:	WILDER PIPELINE MANIFOLD RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02383	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: SSW - 16 (H213705-21)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/23/2021	ND	2.00	100	2.00	3.20	
Toluene*	<0.050	0.050	12/23/2021	ND	2.03	101	2.00	0.791	
Ethylbenzene*	<0.050	0.050	12/23/2021	ND	2.07	104	2.00	1.35	
Total Xylenes*	<0.150	0.150	12/23/2021	ND	6.51	109	6.00	1.28	
Total BTEx	<0.300	0.300	12/23/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	12/23/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/23/2021	ND	208	104	200	2.37	
DRO >C10-C28*	<10.0	10.0	12/23/2021	ND	219	109	200	3.58	
EXT DRO >C28-C36	<10.0	10.0	12/23/2021	ND					

Surrogate: 1-Chlorooctane 78.7 % 62-130

Surrogate: 1-Chlorooctadecane 82.0 % 54.5-135

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 RYAN DICKERSON
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	12/23/2021	Sampling Date:	12/22/2021
Reported:	12/23/2021	Sampling Type:	Soil
Project Name:	WILDER PIPELINE MANIFOLD RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02383	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: SSW - 17 (H213705-22)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/23/2021	ND	2.00	100	2.00	3.20		
Toluene*	<0.050	0.050	12/23/2021	ND	2.03	101	2.00	0.791		
Ethylbenzene*	<0.050	0.050	12/23/2021	ND	2.07	104	2.00	1.35		
Total Xylenes*	<0.150	0.150	12/23/2021	ND	6.51	109	6.00	1.28		
Total BTEx	<0.300	0.300	12/23/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	12/23/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/23/2021	ND	208	104	200	2.37	
DRO >C10-C28*	<10.0	10.0	12/23/2021	ND	219	109	200	3.58	
EXT DRO >C28-C36	<10.0	10.0	12/23/2021	ND					

Surrogate: 1-Chlorooctane 94.3 % 62-130

Surrogate: 1-Chlorooctadecane 99.0 % 54.5-135

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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

Analysis Request of Chain of Custody Record



Tetra Tech, Inc.

 901 West Wall Street, Ste 100
 Midland, Texas 79701
 Tel (432) 682-4559
 Fax (432) 682-3946

Page 1 of 27

ANALYSIS REQUEST

(Circle or Specify Method No.)

Client Name: Conoco Phillips		Site Manager: Ryan Dickerson	
Project Name: Wilder Pipeline Manifold Release		Project #: 219C-MD-08383	
Project Location: Lea County, NM		Project #: 219C-MD-08383	
Invoice to: Accounts Payable Tetra Tech 8911 N Capital of Texas Highway Ste. 9310		Sampler Signature:	
Receiving Laboratory: Cardinal Lab		Sampler Signature:	
Comments: Ryan.dickerson@tetratech.com deun.dominguez@tetratech.com			

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING		MATRIX		PRESERVATIVE METHOD			# CONTAINERS	FILTERED (Y/N)	ANALYSIS REQUEST (Circle or Specify Method No.)
		YEAR	DATE	TIME	WATER	SOIL	HCL	HNO ₃			
1	NSW-10	12/22	1000	1010	X						X
2	NSW-11			1020							X
3	NSW-12			1030							X
4	NSW-13			1040							X
5	NSW-14			1050							X
6	NSW-15			1100							X
7	NSW-16			1110							X
8	NSW-17			1120							X
9	NSW-18			1130							X
10	NSW-19										X

Retinquired by:	Date: 10/03/21	Time:	Received by:	Date: 12-23-21	Time: 0800
Retinquired by:	Date:	Time:	Received by:	Date:	Time:

LAB USE ONLY	REMARKS:
Sample Temperature 3.4°C e-0.5°C 2.9°C #113 TP	<input type="checkbox"/> STANDARD <input checked="" type="checkbox"/> RUSH: Same Day 24 hr 48 hr 72 hr <input type="checkbox"/> Rush Charges Authorized <input type="checkbox"/> Special Report Limits or TRRP Report

ORIGINAL COPY

Analysis Request of Custody Record



Tetra Tech, Inc.

 901 West Wall Street, Ste 100
 Midland, Texas 79701
 Tel (432) 682-4559
 Fax (432) 682-3946

Page

2 of

Page 26 of 27

Client Name:

Conoco Phillips

Site Manager:

Ryan Dickerson

Project Name:

Wilder Pipeline Manifold Release

Project Location:

Lea County, NM

Project #:

219C-MD-00383

Invoice to:

Accounts Payable TetraTech 8911 N Capital of Texas Highway Ste. 7310

Receiving Laboratory:

Cardinal Lab

Sampler Signature:

Comments:

LAB #

LAB USE ONLY

SAMPLE IDENTIFICATION

SAMPLING

YEAR: 2021

DATE

TIME

MATRIX

WATER SOIL HCL HNO₃ ICE None

PRESERVATIVE METHOD

CONTAINERS

FILTERED (Y/N)

BTEX 8021B BTEX 8260B

TPH TX1005 (Ext to C35)

TPH 8015M (GRO - DRO - ORO - MRO)

PAH 8270C

Total Metals Ag As Ba Cd Cr Pb Se Hg

TCLP Metals Ag As Ba Cd Cr Pb Se Hg

TCLP Volatiles

TCLP Semi Volatiles

RCI

GC/MS Vol. 8260B / 624

GC/MS Semi. Vol. 8270C/625

PCB's 8082 / 608

NORM

PLM (Asbestos)

Chloride

Chloride Sulfate TDS

General Water Chemistry (see attached list)

Anion/Cation Balance

TPH 8015R

Hold

ANALYSIS REQUEST

(Circle or Specify Method No.)

Relinquished by:

12/23/21

Date: Time:

Received by:

12-23-21 0810

Date: Time:

Relinquished by:

Date: Time:

Received by:

Date: Time:

Relinquished by:

Date: Time:

Received by:

Date: Time:

LAB USE ONLY

Sample Temperature

3.4°C

2.9°C

#113 TP

REMARKS:

STANDARD

☒ RUSH: Same Day (24 hr 48 hr 72 hr)

☐ Rush Charges Authorized

☐ Special Report Limits or TRRP Report

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(Circle) HAND DELIVERED FEDEX UPS Tracking #:

Analysis Request of Chain of Custody Record



Tetra Tech, Inc.

901 West Wall Street, Ste 100
Midland, Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

Page 7 of 7

Page 27 of 27

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

January 06, 2022

RYAN DICKERSON

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: WILDER PIPELINE MANIFOLD RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 01/05/22 15:10.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. 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 "Mike Snyder". The signature is fluid and cursive, with the first name "Mike" and last name "Snyder" clearly distinguishable.

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH
 RYAN DICKERSON
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	01/05/2022	Sampling Date:	01/05/2022
Reported:	01/06/2022	Sampling Type:	Soil
Project Name:	WILDER PIPELINE MANIFOLD RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02383	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: FS - 24 (12') (H220045-01)

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	01/05/2022	ND	2.11	105	2.00	3.38	
Toluene*	<0.050	0.050	01/05/2022	ND	1.98	99.1	2.00	3.63	
Ethylbenzene*	<0.050	0.050	01/05/2022	ND	1.99	99.5	2.00	3.14	
Total Xylenes*	<0.150	0.150	01/05/2022	ND	6.21	104	6.00	2.61	
Total BTEX	<0.300	0.300	01/05/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.7 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1760	16.0	01/06/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/05/2022	ND	200	100	200	3.69	
DRO >C10-C28*	<10.0	10.0	01/05/2022	ND	201	101	200	5.51	
EXT DRO >C28-C36	<10.0	10.0	01/05/2022	ND					

Surrogate: 1-Chlorooctane 87.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 87.9 % 59.5-142

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH
 RYAN DICKERSON
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	01/05/2022	Sampling Date:	01/05/2022
Reported:	01/06/2022	Sampling Type:	Soil
Project Name:	WILDER PIPELINE MANIFOLD RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02383	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: FS - 25 (12') (H220045-02)

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	01/05/2022	ND	2.11	105	2.00	3.38		
Toluene*	<0.050	0.050	01/05/2022	ND	1.98	99.1	2.00	3.63		
Ethylbenzene*	<0.050	0.050	01/05/2022	ND	1.99	99.5	2.00	3.14		
Total Xylenes*	<0.150	0.150	01/05/2022	ND	6.21	104	6.00	2.61		
Total BTEx	<0.300	0.300	01/05/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.3 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1630	16.0	01/06/2022	ND	432	108	400	3.77	QM-07	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/05/2022	ND	200	100	200	3.69	
DRO >C10-C28*	<10.0	10.0	01/05/2022	ND	201	101	200	5.51	
EXT DRO >C28-C36	<10.0	10.0	01/05/2022	ND					

Surrogate: 1-Chlorooctane 82.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 82.7 % 59.5-142

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH
 RYAN DICKERSON
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	01/05/2022	Sampling Date:	01/05/2022
Reported:	01/06/2022	Sampling Type:	Soil
Project Name:	WILDER PIPELINE MANIFOLD RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02383	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: FS - 26 (12') (H220045-03)

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	01/05/2022	ND	2.11	105	2.00	3.38		
Toluene*	<0.050	0.050	01/05/2022	ND	1.98	99.1	2.00	3.63		
Ethylbenzene*	<0.050	0.050	01/05/2022	ND	1.99	99.5	2.00	3.14		
Total Xylenes*	<0.150	0.150	01/05/2022	ND	6.21	104	6.00	2.61		
Total BTEX	<0.300	0.300	01/05/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.7 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1630	16.0	01/06/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/05/2022	ND	200	100	200	3.69	
DRO >C10-C28*	<10.0	10.0	01/05/2022	ND	201	101	200	5.51	
EXT DRO >C28-C36	<10.0	10.0	01/05/2022	ND					

Surrogate: 1-Chlorooctane 87.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 87.6 % 59.5-142

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH
 RYAN DICKERSON
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	01/05/2022	Sampling Date:	01/05/2022
Reported:	01/06/2022	Sampling Type:	Soil
Project Name:	WILDER PIPELINE MANIFOLD RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02383	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: FS - 27 (12') (H220045-04)

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	01/05/2022	ND	2.11	105	2.00	3.38		
Toluene*	<0.050	0.050	01/05/2022	ND	1.98	99.1	2.00	3.63		
Ethylbenzene*	<0.050	0.050	01/05/2022	ND	1.99	99.5	2.00	3.14		
Total Xylenes*	<0.150	0.150	01/05/2022	ND	6.21	104	6.00	2.61		
Total BTEX	<0.300	0.300	01/05/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.2 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1600	16.0	01/06/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/05/2022	ND	200	100	200	3.69	
DRO >C10-C28*	<10.0	10.0	01/05/2022	ND	201	101	200	5.51	
EXT DRO >C28-C36	<10.0	10.0	01/05/2022	ND					

Surrogate: 1-Chlorooctane 85.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 86.9 % 59.5-142

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH
 RYAN DICKERSON
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	01/05/2022	Sampling Date:	01/05/2022
Reported:	01/06/2022	Sampling Type:	Soil
Project Name:	WILDER PIPELINE MANIFOLD RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02383	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: FS - 28 (12') (H220045-05)

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	01/05/2022	ND	2.11	105	2.00	3.38		
Toluene*	<0.050	0.050	01/05/2022	ND	1.98	99.1	2.00	3.63		
Ethylbenzene*	<0.050	0.050	01/05/2022	ND	1.99	99.5	2.00	3.14		
Total Xylenes*	<0.150	0.150	01/05/2022	ND	6.21	104	6.00	2.61		
Total BTEx	<0.300	0.300	01/05/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.7 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1730	16.0	01/06/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/05/2022	ND	200	100	200	3.69	
DRO >C10-C28*	<10.0	10.0	01/05/2022	ND	201	101	200	5.51	
EXT DRO >C28-C36	<10.0	10.0	01/05/2022	ND					

Surrogate: 1-Chlorooctane 82.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 87.0 % 59.5-142

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH
 RYAN DICKERSON
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	01/05/2022	Sampling Date:	01/05/2022
Reported:	01/06/2022	Sampling Type:	Soil
Project Name:	WILDER PIPELINE MANIFOLD RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02383	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: FS - 29 (20') (H220045-06)

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	01/05/2022	ND	2.11	105	2.00	3.38		
Toluene*	<0.050	0.050	01/05/2022	ND	1.98	99.1	2.00	3.63		
Ethylbenzene*	<0.050	0.050	01/05/2022	ND	1.99	99.5	2.00	3.14		
Total Xylenes*	<0.150	0.150	01/05/2022	ND	6.21	104	6.00	2.61		
Total BTEx	<0.300	0.300	01/05/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.8 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1460	16.0	01/06/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/05/2022	ND	200	100	200	3.69	
DRO >C10-C28*	<10.0	10.0	01/05/2022	ND	201	101	200	5.51	
EXT DRO >C28-C36	<10.0	10.0	01/05/2022	ND					

Surrogate: 1-Chlorooctane 87.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 92.8 % 59.5-142

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 RYAN DICKERSON
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	01/05/2022	Sampling Date:	01/05/2022
Reported:	01/06/2022	Sampling Type:	Soil
Project Name:	WILDER PIPELINE MANIFOLD RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02383	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: FS - 30 (20') (H220045-07)

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	01/05/2022	ND	2.11	105	2.00	3.38		
Toluene*	<0.050	0.050	01/05/2022	ND	1.98	99.1	2.00	3.63		
Ethylbenzene*	<0.050	0.050	01/05/2022	ND	1.99	99.5	2.00	3.14		
Total Xylenes*	<0.150	0.150	01/05/2022	ND	6.21	104	6.00	2.61		
Total BTEX	<0.300	0.300	01/05/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.2 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1490	16.0	01/06/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/05/2022	ND	200	100	200	3.69	
DRO >C10-C28*	<10.0	10.0	01/05/2022	ND	201	101	200	5.51	
EXT DRO >C28-C36	<10.0	10.0	01/05/2022	ND					

Surrogate: 1-Chlorooctane 90.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 95.1 % 59.5-142

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 RYAN DICKERSON
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	01/05/2022	Sampling Date:	01/05/2022
Reported:	01/06/2022	Sampling Type:	Soil
Project Name:	WILDER PIPELINE MANIFOLD RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02383	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: FS - 31 (20') (H220045-08)

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	01/05/2022	ND	2.11	105	2.00	3.38		
Toluene*	<0.050	0.050	01/05/2022	ND	1.98	99.1	2.00	3.63		
Ethylbenzene*	<0.050	0.050	01/05/2022	ND	1.99	99.5	2.00	3.14		
Total Xylenes*	<0.150	0.150	01/05/2022	ND	6.21	104	6.00	2.61		
Total BTEX	<0.300	0.300	01/05/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.1 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1440	16.0	01/06/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/05/2022	ND	200	100	200	3.69	
DRO >C10-C28*	<10.0	10.0	01/05/2022	ND	201	101	200	5.51	
EXT DRO >C28-C36	<10.0	10.0	01/05/2022	ND					

Surrogate: 1-Chlorooctane 97.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 99.2 % 59.5-142

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 RYAN DICKERSON
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	01/05/2022	Sampling Date:	01/05/2022
Reported:	01/06/2022	Sampling Type:	Soil
Project Name:	WILDER PIPELINE MANIFOLD RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02383	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: FS - 22 (10') (H220045-09)

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	01/05/2022	ND	2.11	105	2.00	3.38		
Toluene*	<0.050	0.050	01/05/2022	ND	1.98	99.1	2.00	3.63		
Ethylbenzene*	<0.050	0.050	01/05/2022	ND	1.99	99.5	2.00	3.14		
Total Xylenes*	<0.150	0.150	01/05/2022	ND	6.21	104	6.00	2.61		
Total BTEx	<0.300	0.300	01/05/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.0 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	400	16.0	01/06/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/05/2022	ND	200	100	200	3.69	
DRO >C10-C28*	<10.0	10.0	01/05/2022	ND	201	101	200	5.51	
EXT DRO >C28-C36	<10.0	10.0	01/05/2022	ND					

Surrogate: 1-Chlorooctane 74.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 76.1 % 59.5-142

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH
 RYAN DICKERSON
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	01/05/2022	Sampling Date:	01/05/2022
Reported:	01/06/2022	Sampling Type:	Soil
Project Name:	WILDER PIPELINE MANIFOLD RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02383	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: FS - 23 (10') (H220045-10)

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	01/05/2022	ND	2.11	105	2.00	3.38		
Toluene*	<0.050	0.050	01/05/2022	ND	1.98	99.1	2.00	3.63		
Ethylbenzene*	<0.050	0.050	01/05/2022	ND	1.99	99.5	2.00	3.14		
Total Xylenes*	<0.150	0.150	01/05/2022	ND	6.21	104	6.00	2.61		
Total BTEX	<0.300	0.300	01/05/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.1 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	384	16.0	01/06/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/06/2022	ND	200	100	200	3.69	
DRO >C10-C28*	<10.0	10.0	01/06/2022	ND	201	101	200	5.51	
EXT DRO >C28-C36	<10.0	10.0	01/06/2022	ND					

Surrogate: 1-Chlorooctane 89.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 92.5 % 59.5-142

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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A handwritten signature in black ink, appearing to read "Mike Snyder".

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

January 10, 2022

RYAN DICKERSON

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: WILDER PIPELINE MANIFOLD RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 01/07/22 13:50.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH
 RYAN DICKERSON
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	01/07/2022	Sampling Date:	01/07/2022
Reported:	01/10/2022	Sampling Type:	Soil
Project Name:	WILDER PIPELINE MANIFOLD RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02383	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: FS - 16 (10') (H220071-01)

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	01/07/2022	ND	1.97	98.7	2.00	6.97	
Toluene*	<0.050	0.050	01/07/2022	ND	1.86	92.9	2.00	7.21	
Ethylbenzene*	<0.050	0.050	01/07/2022	ND	1.86	92.8	2.00	7.27	
Total Xylenes*	<0.150	0.150	01/07/2022	ND	5.76	96.1	6.00	7.30	
Total BTEX	<0.300	0.300	01/07/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.1 % 69.9-140

Chloride, SM4500Cl-B			mg/kg		Analyzed By: GM				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/07/2022	ND	400	100	400	0.00	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/07/2022	ND	193	96.4	200	0.181	
DRO >C10-C28*	<10.0	10.0	01/07/2022	ND	187	93.4	200	0.985	
EXT DRO >C28-C36	<10.0	10.0	01/07/2022	ND					

Surrogate: 1-Chlorooctane 94.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 102 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH
 RYAN DICKERSON
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	01/07/2022	Sampling Date:	01/07/2022
Reported:	01/10/2022	Sampling Type:	Soil
Project Name:	WILDER PIPELINE MANIFOLD RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02383	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: FS - 17 (10') (H220071-02)

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	01/07/2022	ND	1.97	98.7	2.00	6.97		
Toluene*	<0.050	0.050	01/07/2022	ND	1.86	92.9	2.00	7.21		
Ethylbenzene*	<0.050	0.050	01/07/2022	ND	1.86	92.8	2.00	7.27		
Total Xylenes*	<0.150	0.150	01/07/2022	ND	5.76	96.1	6.00	7.30		
Total BTEX	<0.300	0.300	01/07/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.2 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	01/07/2022	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/07/2022	ND	193	96.4	200	0.181	
DRO >C10-C28*	<10.0	10.0	01/07/2022	ND	187	93.4	200	0.985	
EXT DRO >C28-C36	<10.0	10.0	01/07/2022	ND					

Surrogate: 1-Chlorooctane 96.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 102 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 RYAN DICKERSON
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	01/07/2022	Sampling Date:	01/07/2022
Reported:	01/10/2022	Sampling Type:	Soil
Project Name:	WILDER PIPELINE MANIFOLD RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02383	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: FS - 18 (10') (H220071-03)

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	01/07/2022	ND	1.97	98.7	2.00	6.97		
Toluene*	<0.050	0.050	01/07/2022	ND	1.86	92.9	2.00	7.21		
Ethylbenzene*	<0.050	0.050	01/07/2022	ND	1.86	92.8	2.00	7.27		
Total Xylenes*	<0.150	0.150	01/07/2022	ND	5.76	96.1	6.00	7.30		
Total BTEX	<0.300	0.300	01/07/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.4 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	01/07/2022	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/07/2022	ND	193	96.4	200	0.181	
DRO >C10-C28*	<10.0	10.0	01/07/2022	ND	187	93.4	200	0.985	
EXT DRO >C28-C36	<10.0	10.0	01/07/2022	ND					

Surrogate: 1-Chlorooctane 96.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 105 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH
 RYAN DICKERSON
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	01/07/2022	Sampling Date:	01/07/2022
Reported:	01/10/2022	Sampling Type:	Soil
Project Name:	WILDER PIPELINE MANIFOLD RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02383	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: FS - 19 (10') (H220071-04)

BTX 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/07/2022	ND	1.97	98.7	2.00	6.97		
Toluene*	<0.050	0.050	01/07/2022	ND	1.86	92.9	2.00	7.21		
Ethylbenzene*	<0.050	0.050	01/07/2022	ND	1.86	92.8	2.00	7.27		
Total Xylenes*	<0.150	0.150	01/07/2022	ND	5.76	96.1	6.00	7.30		
Total BTX	<0.300	0.300	01/07/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.3 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	01/07/2022	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/07/2022	ND	193	96.4	200	0.181	
DRO >C10-C28*	<10.0	10.0	01/07/2022	ND	187	93.4	200	0.985	
EXT DRO >C28-C36	<10.0	10.0	01/07/2022	ND					

Surrogate: 1-Chlorooctane 102 % 66.9-136

Surrogate: 1-Chlorooctadecane 111 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH
 RYAN DICKERSON
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	01/07/2022	Sampling Date:	01/07/2022
Reported:	01/10/2022	Sampling Type:	Soil
Project Name:	WILDER PIPELINE MANIFOLD RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02383	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: FS - 20 (10') (H220071-05)

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	01/07/2022	ND	1.97	98.7	2.00	6.97		
Toluene*	<0.050	0.050	01/07/2022	ND	1.86	92.9	2.00	7.21		
Ethylbenzene*	<0.050	0.050	01/07/2022	ND	1.86	92.8	2.00	7.27		
Total Xylenes*	<0.150	0.150	01/07/2022	ND	5.76	96.1	6.00	7.30		
Total BTEX	<0.300	0.300	01/07/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.0 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	01/07/2022	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/07/2022	ND	193	96.4	200	0.181	
DRO >C10-C28*	<10.0	10.0	01/07/2022	ND	187	93.4	200	0.985	
EXT DRO >C28-C36	<10.0	10.0	01/07/2022	ND					

Surrogate: 1-Chlorooctane 109 % 66.9-136

Surrogate: 1-Chlorooctadecane 116 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH
 RYAN DICKERSON
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	01/07/2022	Sampling Date:	01/07/2022
Reported:	01/10/2022	Sampling Type:	Soil
Project Name:	WILDER PIPELINE MANIFOLD RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02383	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: FS - 21 (10') (H220071-06)

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	01/07/2022	ND	1.97	98.7	2.00	6.97		
Toluene*	<0.050	0.050	01/07/2022	ND	1.86	92.9	2.00	7.21		
Ethylbenzene*	<0.050	0.050	01/07/2022	ND	1.86	92.8	2.00	7.27		
Total Xylenes*	<0.150	0.150	01/07/2022	ND	5.76	96.1	6.00	7.30		
Total BTEX	<0.300	0.300	01/07/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.2 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	01/07/2022	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/07/2022	ND	193	96.4	200	0.181	
DRO >C10-C28*	<10.0	10.0	01/07/2022	ND	187	93.4	200	0.985	
EXT DRO >C28-C36	<10.0	10.0	01/07/2022	ND					

Surrogate: 1-Chlorooctane 97.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 104 % 59.5-142

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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", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager

Analysis Request of Chain of Custody Record



Tetra Tech, Inc.

 901 West Wall Street, Ste 100
 Midland, Texas 79701
 Tel (432) 882-4559
 Fax (432) 882-3946

Page 1 of 9

Page 9 of 9

 Client Name: Coraco Phillips
 Site Manager: Ryan Dickerson

Project Name: Builder Pipeline Manifold Release

 Project Location: Lea County, NM
 Project #: 219C-MD-00383

 Invoice to: Accounts Payable Tetra Tech 6411 N Capital of Texas Highway Ste. 2310
 Receiving Laboratory: Cardinal Lab
 Sampler Signature:

Comments: Ryan.dickerson@tetratech.com devin.dominguez@tetratech.com

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING		MATRIX		PRESERVATIVE METHOD				# CONTAINERS	FILTERED (Y/N)	LAB USE ONLY	REMARKS
		YEAR	DATE	TIME	WATER	SOIL	HCL	HNO ₃	ICE				
1	FS-16 (10')		1/7	830									
2	FS-17 (10')			840									
3	FS-18 (10')			850									
4	FS-19 (10')			900									
5	FS-20 (10')			910									
6	FS-21 (10')			920									

LAB USE ONLY	REMARKS
Sample Temperature 4.8°C -0.5°C Cor. 3.7°C #113	<input type="checkbox"/> STANDARD <input checked="" type="checkbox"/> RUSH: Same Day (24 hr) 48 hr 72 hr <input type="checkbox"/> Rush Charges Authorized <input type="checkbox"/> Special Report Limits or TRRP Report

ORIGINAL COPY

(Circle) HAND DELIVERED FEDEX UPS Tracking #:



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

January 20, 2022

RYAN DICKERSON

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: WILDER PIPELINE MANIFOLD RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 01/19/22 16:05.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH
 RYAN DICKERSON
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	01/19/2022	Sampling Date:	01/19/2022
Reported:	01/20/2022	Sampling Type:	Soil
Project Name:	WILDER PIPELINE MANIFOLD RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02383	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: NSW - 1 (H220218-01)

BTX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/19/2022	ND	1.99	99.7	2.00	6.98	
Toluene*	<0.050	0.050	01/19/2022	ND	1.96	97.8	2.00	6.92	
Ethylbenzene*	<0.050	0.050	01/19/2022	ND	1.93	96.7	2.00	7.28	
Total Xylenes*	<0.150	0.150	01/19/2022	ND	5.91	98.5	6.00	5.98	
Total BTX	<0.300	0.300	01/19/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	01/20/2022	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/20/2022	ND	233	117	200	0.608	
DRO >C10-C28*	<10.0	10.0	01/20/2022	ND	199	99.6	200	0.127	
EXT DRO >C28-C36	<10.0	10.0	01/20/2022	ND					

Surrogate: 1-Chlorooctane 76.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 68.8 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 RYAN DICKERSON
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	01/19/2022	Sampling Date:	01/19/2022
Reported:	01/20/2022	Sampling Type:	Soil
Project Name:	WILDER PIPELINE MANIFOLD RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02383	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: NSW - 2 (H220218-02)

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	01/19/2022	ND	1.99	99.7	2.00	6.98		
Toluene*	<0.050	0.050	01/19/2022	ND	1.96	97.8	2.00	6.92		
Ethylbenzene*	<0.050	0.050	01/19/2022	ND	1.93	96.7	2.00	7.28		
Total Xylenes*	<0.150	0.150	01/19/2022	ND	5.91	98.5	6.00	5.98		
Total BTEx	<0.300	0.300	01/19/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	01/20/2022	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/20/2022	ND	233	117	200	0.608	
DRO >C10-C28*	<10.0	10.0	01/20/2022	ND	199	99.6	200	0.127	
EXT DRO >C28-C36	<10.0	10.0	01/20/2022	ND					

Surrogate: 1-Chlorooctane 79.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 72.3 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 RYAN DICKERSON
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	01/19/2022	Sampling Date:	01/19/2022
Reported:	01/20/2022	Sampling Type:	Soil
Project Name:	WILDER PIPELINE MANIFOLD RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02383	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: NSW - 3 (H220218-03)

BTX 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/19/2022	ND	1.99	99.7	2.00	6.98		
Toluene*	<0.050	0.050	01/19/2022	ND	1.96	97.8	2.00	6.92		
Ethylbenzene*	<0.050	0.050	01/19/2022	ND	1.93	96.7	2.00	7.28		
Total Xylenes*	<0.150	0.150	01/19/2022	ND	5.91	98.5	6.00	5.98		
Total BTX	<0.300	0.300	01/19/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	01/20/2022	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/20/2022	ND	233	117	200	0.608	
DRO >C10-C28*	<10.0	10.0	01/20/2022	ND	199	99.6	200	0.127	
EXT DRO >C28-C36	<10.0	10.0	01/20/2022	ND					

Surrogate: 1-Chlorooctane 78.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 71.3 % 59.5-142

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Analytical Results For:

TETRA TECH
 RYAN DICKERSON
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	01/19/2022	Sampling Date:	01/19/2022
Reported:	01/20/2022	Sampling Type:	Soil
Project Name:	WILDER PIPELINE MANIFOLD RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02383	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: NSW - 4 (H220218-04)

BTX 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/19/2022	ND	1.99	99.7	2.00	6.98		
Toluene*	<0.050	0.050	01/19/2022	ND	1.96	97.8	2.00	6.92		
Ethylbenzene*	<0.050	0.050	01/19/2022	ND	1.93	96.7	2.00	7.28		
Total Xylenes*	<0.150	0.150	01/19/2022	ND	5.91	98.5	6.00	5.98		
Total BTX	<0.300	0.300	01/19/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	01/20/2022	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/20/2022	ND	233	117	200	0.608	
DRO >C10-C28*	<10.0	10.0	01/20/2022	ND	199	99.6	200	0.127	
EXT DRO >C28-C36	<10.0	10.0	01/20/2022	ND					

Surrogate: 1-Chlorooctane 70.0 % 66.9-136

Surrogate: 1-Chlorooctadecane 63.5 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 RYAN DICKERSON
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	01/19/2022	Sampling Date:	01/19/2022
Reported:	01/20/2022	Sampling Type:	Soil
Project Name:	WILDER PIPELINE MANIFOLD RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02383	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: NSW - 5 (H220218-05)

BTX 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/19/2022	ND	1.99	99.7	2.00	6.98		
Toluene*	<0.050	0.050	01/19/2022	ND	1.96	97.8	2.00	6.92		
Ethylbenzene*	<0.050	0.050	01/19/2022	ND	1.93	96.7	2.00	7.28		
Total Xylenes*	<0.150	0.150	01/19/2022	ND	5.91	98.5	6.00	5.98		
Total BTX	<0.300	0.300	01/19/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/20/2022	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/20/2022	ND	233	117	200	0.608	
DRO >C10-C28*	<10.0	10.0	01/20/2022	ND	199	99.6	200	0.127	
EXT DRO >C28-C36	<10.0	10.0	01/20/2022	ND					

Surrogate: 1-Chlorooctane 72.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 65.3 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 RYAN DICKERSON
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	01/19/2022	Sampling Date:	01/19/2022
Reported:	01/20/2022	Sampling Type:	Soil
Project Name:	WILDER PIPELINE MANIFOLD RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02383	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: NSW - 6 (H220218-06)

BTX 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/20/2022	ND	1.99	99.7	2.00	6.98		
Toluene*	<0.050	0.050	01/20/2022	ND	1.96	97.8	2.00	6.92		
Ethylbenzene*	<0.050	0.050	01/20/2022	ND	1.93	96.7	2.00	7.28		
Total Xylenes*	<0.150	0.150	01/20/2022	ND	5.91	98.5	6.00	5.98		
Total BTX	<0.300	0.300	01/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	01/20/2022	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/20/2022	ND	233	117	200	0.608	
DRO >C10-C28*	<10.0	10.0	01/20/2022	ND	199	99.6	200	0.127	
EXT DRO >C28-C36	<10.0	10.0	01/20/2022	ND					

Surrogate: 1-Chlorooctane 67.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 61.4 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 RYAN DICKERSON
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	01/19/2022	Sampling Date:	01/19/2022
Reported:	01/20/2022	Sampling Type:	Soil
Project Name:	WILDER PIPELINE MANIFOLD RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02383	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: NSW - 7 (H220218-07)

BTX 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/20/2022	ND	1.99	99.7	2.00	6.98		
Toluene*	<0.050	0.050	01/20/2022	ND	1.96	97.8	2.00	6.92		
Ethylbenzene*	<0.050	0.050	01/20/2022	ND	1.93	96.7	2.00	7.28		
Total Xylenes*	<0.150	0.150	01/20/2022	ND	5.91	98.5	6.00	5.98		
Total BTX	<0.300	0.300	01/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/20/2022	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/20/2022	ND	233	117	200	0.608	
DRO >C10-C28*	<10.0	10.0	01/20/2022	ND	199	99.6	200	0.127	
EXT DRO >C28-C36	<10.0	10.0	01/20/2022	ND					

Surrogate: 1-Chlorooctane 73.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 68.1 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH
 RYAN DICKERSON
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	01/19/2022	Sampling Date:	01/19/2022
Reported:	01/20/2022	Sampling Type:	Soil
Project Name:	WILDER PIPELINE MANIFOLD RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02383	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: NSW - 8 (H220218-08)

BTX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/20/2022	ND	1.99	99.7	2.00	6.98	
Toluene*	<0.050	0.050	01/20/2022	ND	1.96	97.8	2.00	6.92	
Ethylbenzene*	<0.050	0.050	01/20/2022	ND	1.93	96.7	2.00	7.28	
Total Xylenes*	<0.150	0.150	01/20/2022	ND	5.91	98.5	6.00	5.98	
Total BTX	<0.300	0.300	01/20/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	01/20/2022	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/20/2022	ND	233	117	200	0.608	
DRO >C10-C28*	<10.0	10.0	01/20/2022	ND	199	99.6	200	0.127	
EXT DRO >C28-C36	<10.0	10.0	01/20/2022	ND					

Surrogate: 1-Chlorooctane 79.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 71.9 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 RYAN DICKERSON
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	01/19/2022	Sampling Date:	01/19/2022
Reported:	01/20/2022	Sampling Type:	Soil
Project Name:	WILDER PIPELINE MANIFOLD RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02383	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: NSW - 9 (H220218-09)

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	01/20/2022	ND	1.99	99.7	2.00	6.98		
Toluene*	<0.050	0.050	01/20/2022	ND	1.96	97.8	2.00	6.92		
Ethylbenzene*	<0.050	0.050	01/20/2022	ND	1.93	96.7	2.00	7.28		
Total Xylenes*	<0.150	0.150	01/20/2022	ND	5.91	98.5	6.00	5.98		
Total BTEx	<0.300	0.300	01/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.6 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/20/2022	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/20/2022	ND	233	117	200	0.608	
DRO >C10-C28*	<10.0	10.0	01/20/2022	ND	199	99.6	200	0.127	
EXT DRO >C28-C36	<10.0	10.0	01/20/2022	ND					

Surrogate: 1-Chlorooctane 77.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 70.6 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 RYAN DICKERSON
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	01/19/2022	Sampling Date:	01/19/2022
Reported:	01/20/2022	Sampling Type:	Soil
Project Name:	WILDER PIPELINE MANIFOLD RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02383	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: WSW - 1 (H220218-10)

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	01/20/2022	ND	1.99	99.7	2.00	6.98		
Toluene*	<0.050	0.050	01/20/2022	ND	1.96	97.8	2.00	6.92		
Ethylbenzene*	<0.050	0.050	01/20/2022	ND	1.93	96.7	2.00	7.28		
Total Xylenes*	<0.150	0.150	01/20/2022	ND	5.91	98.5	6.00	5.98		
Total BTEx	<0.300	0.300	01/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/20/2022	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/20/2022	ND	233	117	200	0.608	
DRO >C10-C28*	<10.0	10.0	01/20/2022	ND	199	99.6	200	0.127	
EXT DRO >C28-C36	<10.0	10.0	01/20/2022	ND					

Surrogate: 1-Chlorooctane 79.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 72.0 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 RYAN DICKERSON
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	01/19/2022	Sampling Date:	01/19/2022
Reported:	01/20/2022	Sampling Type:	Soil
Project Name:	WILDER PIPELINE MANIFOLD RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02383	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: WSW - 2 (H220218-11)

BTX 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/20/2022	ND	1.99	99.7	2.00	6.98		
Toluene*	<0.050	0.050	01/20/2022	ND	1.96	97.8	2.00	6.92		
Ethylbenzene*	<0.050	0.050	01/20/2022	ND	1.93	96.7	2.00	7.28		
Total Xylenes*	<0.150	0.150	01/20/2022	ND	5.91	98.5	6.00	5.98		
Total BTX	<0.300	0.300	01/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/20/2022	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/20/2022	ND	233	117	200	0.608	
DRO >C10-C28*	<10.0	10.0	01/20/2022	ND	199	99.6	200	0.127	
EXT DRO >C28-C36	<10.0	10.0	01/20/2022	ND					

Surrogate: 1-Chlorooctane 71.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 64.5 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 RYAN DICKERSON
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	01/19/2022	Sampling Date:	01/19/2022
Reported:	01/20/2022	Sampling Type:	Soil
Project Name:	WILDER PIPELINE MANIFOLD RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02383	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: WSW - 3 (H220218-12)

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	01/20/2022	ND	1.99	99.7	2.00	6.98		
Toluene*	<0.050	0.050	01/20/2022	ND	1.96	97.8	2.00	6.92		
Ethylbenzene*	<0.050	0.050	01/20/2022	ND	1.93	96.7	2.00	7.28		
Total Xylenes*	<0.150	0.150	01/20/2022	ND	5.91	98.5	6.00	5.98		
Total BTEx	<0.300	0.300	01/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/20/2022	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/20/2022	ND	233	117	200	0.608	
DRO >C10-C28*	<10.0	10.0	01/20/2022	ND	199	99.6	200	0.127	
EXT DRO >C28-C36	<10.0	10.0	01/20/2022	ND					

Surrogate: 1-Chlorooctane 75.0 % 66.9-136

Surrogate: 1-Chlorooctadecane 67.8 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 RYAN DICKERSON
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	01/19/2022	Sampling Date:	01/19/2022
Reported:	01/20/2022	Sampling Type:	Soil
Project Name:	WILDER PIPELINE MANIFOLD RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02383	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: WSW - 4 (H220218-13)

BTX 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/20/2022	ND	1.99	99.7	2.00	6.98		
Toluene*	<0.050	0.050	01/20/2022	ND	1.96	97.8	2.00	6.92		
Ethylbenzene*	<0.050	0.050	01/20/2022	ND	1.93	96.7	2.00	7.28		
Total Xylenes*	<0.150	0.150	01/20/2022	ND	5.91	98.5	6.00	5.98		
Total BTX	<0.300	0.300	01/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/20/2022	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/20/2022	ND	233	117	200	0.608	
DRO >C10-C28*	<10.0	10.0	01/20/2022	ND	199	99.6	200	0.127	
EXT DRO >C28-C36	<10.0	10.0	01/20/2022	ND					

Surrogate: 1-Chlorooctane 75.0 % 66.9-136

Surrogate: 1-Chlorooctadecane 68.0 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 RYAN DICKERSON
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	01/19/2022	Sampling Date:	01/19/2022
Reported:	01/20/2022	Sampling Type:	Soil
Project Name:	WILDER PIPELINE MANIFOLD RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02383	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: SSW - 1 (H220218-14)

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	01/20/2022	ND	1.99	99.7	2.00	6.98		
Toluene*	<0.050	0.050	01/20/2022	ND	1.96	97.8	2.00	6.92		
Ethylbenzene*	<0.050	0.050	01/20/2022	ND	1.93	96.7	2.00	7.28		
Total Xylenes*	<0.150	0.150	01/20/2022	ND	5.91	98.5	6.00	5.98		
Total BTEx	<0.300	0.300	01/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/20/2022	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/20/2022	ND	196	98.2	200	1.52	
DRO >C10-C28*	<10.0	10.0	01/20/2022	ND	220	110	200	10.3	
EXT DRO >C28-C36	<10.0	10.0	01/20/2022	ND					

Surrogate: 1-Chlorooctane 88.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 79.0 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH
 RYAN DICKERSON
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	01/19/2022	Sampling Date:	01/19/2022
Reported:	01/20/2022	Sampling Type:	Soil
Project Name:	WILDER PIPELINE MANIFOLD RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02383	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: SSW - 2 (H220218-15)

BTX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/20/2022	ND	1.99	99.7	2.00	6.98	
Toluene*	<0.050	0.050	01/20/2022	ND	1.96	97.8	2.00	6.92	
Ethylbenzene*	<0.050	0.050	01/20/2022	ND	1.93	96.7	2.00	7.28	
Total Xylenes*	<0.150	0.150	01/20/2022	ND	5.91	98.5	6.00	5.98	
Total BTX	<0.300	0.300	01/20/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/20/2022	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/20/2022	ND	196	98.2	200	1.52	
DRO >C10-C28*	<10.0	10.0	01/20/2022	ND	220	110	200	10.3	
EXT DRO >C28-C36	<10.0	10.0	01/20/2022	ND					

Surrogate: 1-Chlorooctane 94.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 84.0 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH
 RYAN DICKERSON
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	01/19/2022	Sampling Date:	01/19/2022
Reported:	01/20/2022	Sampling Type:	Soil
Project Name:	WILDER PIPELINE MANIFOLD RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02383	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: SSW - 3 (H220218-16)

BTX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/20/2022	ND	1.99	99.7	2.00	6.98	
Toluene*	<0.050	0.050	01/20/2022	ND	1.96	97.8	2.00	6.92	
Ethylbenzene*	<0.050	0.050	01/20/2022	ND	1.93	96.7	2.00	7.28	
Total Xylenes*	<0.150	0.150	01/20/2022	ND	5.91	98.5	6.00	5.98	
Total BTX	<0.300	0.300	01/20/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/20/2022	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/20/2022	ND	196	98.2	200	1.52	
DRO >C10-C28*	<10.0	10.0	01/20/2022	ND	220	110	200	10.3	
EXT DRO >C28-C36	<10.0	10.0	01/20/2022	ND					

Surrogate: 1-Chlorooctane 98.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 87.8 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 RYAN DICKERSON
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	01/19/2022	Sampling Date:	01/19/2022
Reported:	01/20/2022	Sampling Type:	Soil
Project Name:	WILDER PIPELINE MANIFOLD RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02383	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: SSW - 4 (H220218-17)

BTX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/20/2022	ND	1.99	99.7	2.00	6.98	
Toluene*	<0.050	0.050	01/20/2022	ND	1.96	97.8	2.00	6.92	
Ethylbenzene*	<0.050	0.050	01/20/2022	ND	1.93	96.7	2.00	7.28	
Total Xylenes*	<0.150	0.150	01/20/2022	ND	5.91	98.5	6.00	5.98	
Total BTX	<0.300	0.300	01/20/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/20/2022	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/20/2022	ND	196	98.2	200	1.52	
DRO >C10-C28*	<10.0	10.0	01/20/2022	ND	220	110	200	10.3	
EXT DRO >C28-C36	<10.0	10.0	01/20/2022	ND					

Surrogate: 1-Chlorooctane 78.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 68.4 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 RYAN DICKERSON
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	01/19/2022	Sampling Date:	01/19/2022
Reported:	01/20/2022	Sampling Type:	Soil
Project Name:	WILDER PIPELINE MANIFOLD RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02383	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: SSW - 5 (H220218-18)

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	01/20/2022	ND	1.99	99.7	2.00	6.98		
Toluene*	<0.050	0.050	01/20/2022	ND	1.96	97.8	2.00	6.92		
Ethylbenzene*	<0.050	0.050	01/20/2022	ND	1.93	96.7	2.00	7.28		
Total Xylenes*	<0.150	0.150	01/20/2022	ND	5.91	98.5	6.00	5.98		
Total BTEx	<0.300	0.300	01/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	01/20/2022	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/20/2022	ND	196	98.2	200	1.52	
DRO >C10-C28*	<10.0	10.0	01/20/2022	ND	220	110	200	10.3	
EXT DRO >C28-C36	<10.0	10.0	01/20/2022	ND					

Surrogate: 1-Chlorooctane 88.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 77.1 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager

Analysis Request of Chain of Custody Record

Page 1

of 2



Tetra Tech, Inc.

 901 West Wall Street, Ste 100
 Midland, Texas 79701
 Tel (432) 682-4559
 Fax (432) 682-3946

Client Name:

Gonoco Phillips

Site Manager:

Ryan Dickerson

Project Name:

Wilder Pipeline Manifold Release

Project Location:

Lea County, NM

Project #:

218C-MD-08363

Invoice to:

Accounts Payable Tetra Tech 8911 N Capital of Texas Hwy Ste. 2310

Receiving Laboratory:

Cardinal Lab

Sampler Signature:

Comments:

Ryan.dickerson@tetratech.com devin.dominguez@tetratech.com

LAB #

H220218

LAB USE ONLY

SAMPLE IDENTIFICATION

(LAB USE ONLY)									
1	NSU-1		1/19	800					
2	NSU-2			810					
3	NSU-3			820					
4	NSU-4			830					
5	NSU-5			840					
6	NSU-6			850					
7	NSU-7			900					
8	NSU-8			910					
9	NSU-9			920					
10	NSU-1			930					

Relinquished by:

Date: 1/19/22

Time: 1605

Received by:

Date: 1-19-22

Time: 1605

Relinquished by:

Date:

Time:

Received by:

Date:

Time:

Relinquished by:

Date:

Time:

Received by:

Date:

Time:

ANALYSIS REQUEST
(Circle or Specify Method No.)

BTEX 8021B	BTEX 8260B
TPH TX1005 (Ext to C35)	
TPH 8015M (GRO - DRO - ORO - MRO)	
PAH 8270C	
Total Metals Ag As Ba Cd Cr Pb Se Hg	
TCLP Metals Ag As Ba Cd Cr Pb Se Hg	
TCLP Volatiles	
TCLP Semi Volatiles	
RCI	
GC/MS Vol. 8260B / 624	
GC/MS Semi. Vol. 8270C/625	
PCB's 8082 / 608	
NORM	
PLM (Asbestos)	
Chloride	
Chloride Sulfate TDS	
General Water Chemistry (see attached list)	
Anion/Cation Balance	
TPH 8015R	
Hold	

LAB USE ONLY

Sample Temperature

 5.9°C
 5.0°C
 5.4°C
 #113 TP.

REMARKS:

STANDARD

☒ RUSH: Same Day 24 hr

☐ Rush Charges Authorized

☐ Special Report Limits or TRRP Report

ORIGINAL COPY

Tetra Tech, Inc.

901 West Wall Street, Ste 100
Midland, Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

Page 0 of 1

Page 22 of 22

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Released to Imaging: 3/21/2022 11:09:44 AM



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

January 31, 2022

RYAN DICKERSON

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: WILDER PIPELINE MANIFOLD RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 01/28/22 8:12.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH
 RYAN DICKERSON
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	01/28/2022	Sampling Date:	01/27/2022
Reported:	01/31/2022	Sampling Type:	Soil
Project Name:	WILDER PIPELINE MANIFOLD RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02383	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: FS - 15 (4') (H220333-01)

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	01/28/2022	ND	1.97	98.7	2.00	3.17	
Toluene*	<0.050	0.050	01/28/2022	ND	1.89	94.5	2.00	3.39	
Ethylbenzene*	<0.050	0.050	01/28/2022	ND	1.90	95.2	2.00	4.20	
Total Xylenes*	<0.150	0.150	01/28/2022	ND	5.77	96.1	6.00	4.19	
Total BTEX	<0.300	0.300	01/28/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	01/28/2022	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/28/2022	ND	212	106	200	4.05	
DRO >C10-C28*	<10.0	10.0	01/28/2022	ND	220	110	200	13.4	
EXT DRO >C28-C36	<10.0	10.0	01/28/2022	ND					

Surrogate: 1-Chlorooctane 82.0 % 66.9-136

Surrogate: 1-Chlorooctadecane 78.5 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 RYAN DICKERSON
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	01/28/2022	Sampling Date:	01/27/2022
Reported:	01/31/2022	Sampling Type:	Soil
Project Name:	WILDER PIPELINE MANIFOLD RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02383	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: FS - 14 (4') (H220333-02)

BTX 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/28/2022	ND	1.97	98.7	2.00	3.17		
Toluene*	<0.050	0.050	01/28/2022	ND	1.89	94.5	2.00	3.39		
Ethylbenzene*	<0.050	0.050	01/28/2022	ND	1.90	95.2	2.00	4.20		
Total Xylenes*	<0.150	0.150	01/28/2022	ND	5.77	96.1	6.00	4.19		
Total BTX	<0.300	0.300	01/28/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3360	16.0	01/28/2022	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/28/2022	ND	212	106	200	4.05	
DRO >C10-C28*	<10.0	10.0	01/28/2022	ND	220	110	200	13.4	
EXT DRO >C28-C36	<10.0	10.0	01/28/2022	ND					

Surrogate: 1-Chlorooctane 81.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 77.2 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 RYAN DICKERSON
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	01/28/2022	Sampling Date:	01/27/2022
Reported:	01/31/2022	Sampling Type:	Soil
Project Name:	WILDER PIPELINE MANIFOLD RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02383	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: FS - 11 (4') (H220333-03)

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	01/28/2022	ND	1.97	98.7	2.00	3.17		
Toluene*	<0.050	0.050	01/28/2022	ND	1.89	94.5	2.00	3.39		
Ethylbenzene*	<0.050	0.050	01/28/2022	ND	1.90	95.2	2.00	4.20		
Total Xylenes*	<0.150	0.150	01/28/2022	ND	5.77	96.1	6.00	4.19		
Total BTEX	<0.300	0.300	01/28/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	01/28/2022	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/28/2022	ND	212	106	200	4.05	
DRO >C10-C28*	<10.0	10.0	01/28/2022	ND	220	110	200	13.4	
EXT DRO >C28-C36	<10.0	10.0	01/28/2022	ND					

Surrogate: 1-Chlorooctane 83.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 79.6 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 RYAN DICKERSON
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	01/28/2022	Sampling Date:	01/27/2022
Reported:	01/31/2022	Sampling Type:	Soil
Project Name:	WILDER PIPELINE MANIFOLD RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02383	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: FS - 13 (4') (H220333-04)

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	01/28/2022	ND	1.97	98.7	2.00	3.17		
Toluene*	<0.050	0.050	01/28/2022	ND	1.89	94.5	2.00	3.39		
Ethylbenzene*	<0.050	0.050	01/28/2022	ND	1.90	95.2	2.00	4.20		
Total Xylenes*	<0.150	0.150	01/28/2022	ND	5.77	96.1	6.00	4.19		
Total BTEX	<0.300	0.300	01/28/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4000	16.0	01/28/2022	ND	400	100	400	3.92	QM-07	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/28/2022	ND	212	106	200	4.05	
DRO >C10-C28*	<10.0	10.0	01/28/2022	ND	220	110	200	13.4	
EXT DRO >C28-C36	<10.0	10.0	01/28/2022	ND					

Surrogate: 1-Chlorooctane 85.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 81.9 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH
 RYAN DICKERSON
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	01/28/2022	Sampling Date:	01/27/2022
Reported:	01/31/2022	Sampling Type:	Soil
Project Name:	WILDER PIPELINE MANIFOLD RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02383	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: FS - 12 (4') (H220333-05)

BTX 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/28/2022	ND	1.97	98.7	2.00	3.17		
Toluene*	<0.050	0.050	01/28/2022	ND	1.89	94.5	2.00	3.39		
Ethylbenzene*	<0.050	0.050	01/28/2022	ND	1.90	95.2	2.00	4.20		
Total Xylenes*	<0.150	0.150	01/28/2022	ND	5.77	96.1	6.00	4.19		
Total BTX	<0.300	0.300	01/28/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	01/28/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/28/2022	ND	212	106	200	4.05	
DRO >C10-C28*	<10.0	10.0	01/28/2022	ND	220	110	200	13.4	
EXT DRO >C28-C36	<10.0	10.0	01/28/2022	ND					

Surrogate: 1-Chlorooctane 83.0 % 66.9-136

Surrogate: 1-Chlorooctadecane 79.3 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 RYAN DICKERSON
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	01/28/2022	Sampling Date:	01/27/2022
Reported:	01/31/2022	Sampling Type:	Soil
Project Name:	WILDER PIPELINE MANIFOLD RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02383	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: FS - 9 (4') (H220333-06)

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	01/28/2022	ND	1.97	98.7	2.00	3.17		
Toluene*	<0.050	0.050	01/28/2022	ND	1.89	94.5	2.00	3.39		
Ethylbenzene*	<0.050	0.050	01/28/2022	ND	1.90	95.2	2.00	4.20		
Total Xylenes*	<0.150	0.150	01/28/2022	ND	5.77	96.1	6.00	4.19		
Total BTEx	<0.300	0.300	01/28/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1920	16.0	01/28/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/28/2022	ND	212	106	200	4.05	
DRO >C10-C28*	<10.0	10.0	01/28/2022	ND	220	110	200	13.4	
EXT DRO >C28-C36	<10.0	10.0	01/28/2022	ND					

Surrogate: 1-Chlorooctane 88.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 83.4 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH
 RYAN DICKERSON
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	01/28/2022	Sampling Date:	01/27/2022
Reported:	01/31/2022	Sampling Type:	Soil
Project Name:	WILDER PIPELINE MANIFOLD RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02383	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: FS - 5 (4') (H220333-07)

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	01/28/2022	ND	1.97	98.7	2.00	3.17		
Toluene*	<0.050	0.050	01/28/2022	ND	1.89	94.5	2.00	3.39		
Ethylbenzene*	<0.050	0.050	01/28/2022	ND	1.90	95.2	2.00	4.20		
Total Xylenes*	<0.150	0.150	01/28/2022	ND	5.77	96.1	6.00	4.19		
Total BTEx	<0.300	0.300	01/28/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2840	16.0	01/28/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/28/2022	ND	212	106	200	4.05	
DRO >C10-C28*	<10.0	10.0	01/28/2022	ND	220	110	200	13.4	
EXT DRO >C28-C36	<10.0	10.0	01/28/2022	ND					

Surrogate: 1-Chlorooctane 84.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 80.3 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 RYAN DICKERSON
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	01/28/2022	Sampling Date:	01/27/2022
Reported:	01/31/2022	Sampling Type:	Soil
Project Name:	WILDER PIPELINE MANIFOLD RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02383	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: FS - 6 (4') (H220333-08)

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	01/28/2022	ND	1.97	98.7	2.00	3.17		
Toluene*	<0.050	0.050	01/28/2022	ND	1.89	94.5	2.00	3.39		
Ethylbenzene*	<0.050	0.050	01/28/2022	ND	1.90	95.2	2.00	4.20		
Total Xylenes*	<0.150	0.150	01/28/2022	ND	5.77	96.1	6.00	4.19		
Total BTEx	<0.300	0.300	01/28/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2480	16.0	01/28/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/28/2022	ND	212	106	200	4.05	
DRO >C10-C28*	<10.0	10.0	01/28/2022	ND	220	110	200	13.4	
EXT DRO >C28-C36	<10.0	10.0	01/28/2022	ND					

Surrogate: 1-Chlorooctane 84.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 79.5 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 RYAN DICKERSON
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	01/28/2022	Sampling Date:	01/27/2022
Reported:	01/31/2022	Sampling Type:	Soil
Project Name:	WILDER PIPELINE MANIFOLD RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02383	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: FS - 3 (4') (H220333-09)

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	01/28/2022	ND	1.97	98.7	2.00	3.17		
Toluene*	<0.050	0.050	01/28/2022	ND	1.89	94.5	2.00	3.39		
Ethylbenzene*	<0.050	0.050	01/28/2022	ND	1.90	95.2	2.00	4.20		
Total Xylenes*	<0.150	0.150	01/28/2022	ND	5.77	96.1	6.00	4.19		
Total BTEx	<0.300	0.300	01/28/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3680	16.0	01/28/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/28/2022	ND	212	106	200	4.05	
DRO >C10-C28*	<10.0	10.0	01/28/2022	ND	220	110	200	13.4	
EXT DRO >C28-C36	<10.0	10.0	01/28/2022	ND					

Surrogate: 1-Chlorooctane 73.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 68.0 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 RYAN DICKERSON
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	01/28/2022	Sampling Date:	01/27/2022
Reported:	01/31/2022	Sampling Type:	Soil
Project Name:	WILDER PIPELINE MANIFOLD RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02383	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: FS - 10 (4') (H220333-10)

BTX 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/28/2022	ND	1.97	98.7	2.00	3.17		
Toluene*	<0.050	0.050	01/28/2022	ND	1.89	94.5	2.00	3.39		
Ethylbenzene*	<0.050	0.050	01/28/2022	ND	1.90	95.2	2.00	4.20		
Total Xylenes*	<0.150	0.150	01/28/2022	ND	5.77	96.1	6.00	4.19		
Total BTX	<0.300	0.300	01/28/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	01/28/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/28/2022	ND	212	106	200	4.05	
DRO >C10-C28*	<10.0	10.0	01/28/2022	ND	220	110	200	13.4	
EXT DRO >C28-C36	<10.0	10.0	01/28/2022	ND					

Surrogate: 1-Chlorooctane 83.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 77.7 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager



Tetra Tech, Inc.

4000 N. Big Spring Street, Suite 401
Midland, Texas 79705
Tel (432) 682-4559
Fax (432) 682-3946

Page 1 of 1

Page 13 of 13

Project Name:	Conoce Phillips	Site Manager:	Ryan Dickerson
Project Location:	Wilder Pipeline Mainfold Release	Project #:	212C-WMD-02383
(county, state)	Lea County, NM		
Invoice to:	Accounts Payable Tetratex 8911 W Capital of Texas Highway Ste. 231B		
Receiving Laboratory:	Cardinal Lab	Sampler Signature:	Matthew Campbell
Comments:	Ryan Dickerson@tetratex.com		

ANALYSIS REQUEST (Circle or Specify Method No.)	
<p>LAB USE ONLY</p> <p>Sample Temperature 3.6°C -0.5°C 3.1°C #13</p> <p>REMARKS:</p> <p><input checked="" type="checkbox"/> RUSH: Same Day 24 hr 48 hr 72 hr</p> <p><input type="checkbox"/> Rush Charges Authorized</p> <p><input type="checkbox"/> Special Report Limits or TRRP Report</p>	<p>FILTERED (Y/N)</p> <hr/> <p>BTEX 8021B BTEX 8260B</p> <hr/> <p>TPH TX1005 (Ext to C35)</p> <hr/> <p>TPH 8015M (GRO - DRO - ORO)</p> <hr/> <p>PAH 8270C</p> <hr/> <p>Total Metals Ag As Ba Cd Cr Pb Se Hg</p> <hr/> <p>TCLP Metals Ag As Ba Cd Cr Pb Se Hg</p> <hr/> <p>TCLP Volatiles</p> <hr/> <p>TCLP Semi Volatiles</p> <hr/> <p>RCI</p> <hr/> <p>GC/MS Vol. 8260B / 624</p> <hr/> <p>GC/MS Semi. Vol. 8270C/625</p> <hr/> <p>PCB's 8082 / 608</p> <hr/> <p>NORM</p> <hr/> <p>PLM (Asbestos)</p> <hr/> <p>Chloride</p> <hr/> <p>Chloride Sulfate TDS</p> <hr/> <p>General Water Chemistry (see attached list)</p> <hr/> <p>Anion/Cation Balance</p> <hr/> <p>Asbestos</p> <hr/> <p>Hold</p>

ORIGINAL COPY



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

February 02, 2022

RYAN DICKERSON

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: WILDER PIPELINE MANIFOLD RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 02/01/22 8:10.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. 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" being more prominent.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH
 RYAN DICKERSON
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	02/01/2022	Sampling Date:	01/31/2022
Reported:	02/02/2022	Sampling Type:	Soil
Project Name:	WILDER PIPELINE MANIFOLD RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02383	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: FS - 8 (4') (H220372-01)

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	02/01/2022	ND	1.95	97.3	2.00	10.6	
Toluene*	<0.050	0.050	02/01/2022	ND	1.87	93.3	2.00	11.9	
Ethylbenzene*	<0.050	0.050	02/01/2022	ND	1.85	92.7	2.00	11.0	
Total Xylenes*	<0.150	0.150	02/01/2022	ND	5.60	93.3	6.00	11.2	
Total BTEX	<0.300	0.300	02/01/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500Cl-B		mg/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/02/2022	ND	416	104	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	02/01/2022	ND	191	95.5	200	2.97	
DRO >C10-C28*	<10.0	10.0	02/01/2022	ND	190	95.2	200	3.50	
EXT DRO >C28-C36	<10.0	10.0	02/01/2022	ND					

Surrogate: 1-Chlorooctane 98.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 96.0 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH
 RYAN DICKERSON
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	02/01/2022	Sampling Date:	01/31/2022
Reported:	02/02/2022	Sampling Type:	Soil
Project Name:	WILDER PIPELINE MANIFOLD RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02383	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: FS - 7 (4') (H220372-02)

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	02/01/2022	ND	1.95	97.3	2.00	10.6		
Toluene*	<0.050	0.050	02/01/2022	ND	1.87	93.3	2.00	11.9		
Ethylbenzene*	<0.050	0.050	02/01/2022	ND	1.85	92.7	2.00	11.0		
Total Xylenes*	<0.150	0.150	02/01/2022	ND	5.60	93.3	6.00	11.2		
Total BTEx	<0.300	0.300	02/01/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	02/02/2022	ND	416	104	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	02/01/2022	ND	191	95.5	200	2.97	
DRO >C10-C28*	<10.0	10.0	02/01/2022	ND	190	95.2	200	3.50	
EXT DRO >C28-C36	<10.0	10.0	02/01/2022	ND					

Surrogate: 1-Chlorooctane 100 % 66.9-136

Surrogate: 1-Chlorooctadecane 102 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 RYAN DICKERSON
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	02/01/2022	Sampling Date:	01/31/2022
Reported:	02/02/2022	Sampling Type:	Soil
Project Name:	WILDER PIPELINE MANIFOLD RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02383	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: FS - 4 (4') (H220372-03)

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	02/01/2022	ND	1.95	97.3	2.00	10.6		
Toluene*	<0.050	0.050	02/01/2022	ND	1.87	93.3	2.00	11.9		
Ethylbenzene*	<0.050	0.050	02/01/2022	ND	1.85	92.7	2.00	11.0		
Total Xylenes*	<0.150	0.150	02/01/2022	ND	5.60	93.3	6.00	11.2		
Total BTEx	<0.300	0.300	02/01/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	02/02/2022	ND	416	104	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	02/01/2022	ND	191	95.5	200	2.97	
DRO >C10-C28*	<10.0	10.0	02/01/2022	ND	190	95.2	200	3.50	
EXT DRO >C28-C36	<10.0	10.0	02/01/2022	ND					

Surrogate: 1-Chlorooctane 103 % 66.9-136

Surrogate: 1-Chlorooctadecane 105 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH
 RYAN DICKERSON
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	02/01/2022	Sampling Date:	01/31/2022
Reported:	02/02/2022	Sampling Type:	Soil
Project Name:	WILDER PIPELINE MANIFOLD RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02383	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: FS - 2 (4') (H220372-04)

BTX 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/01/2022	ND	1.95	97.3	2.00	10.6		
Toluene*	<0.050	0.050	02/01/2022	ND	1.87	93.3	2.00	11.9		
Ethylbenzene*	<0.050	0.050	02/01/2022	ND	1.85	92.7	2.00	11.0		
Total Xylenes*	<0.150	0.150	02/01/2022	ND	5.60	93.3	6.00	11.2		
Total BTX	<0.300	0.300	02/01/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/02/2022	ND	416	104	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	02/01/2022	ND	191	95.5	200	2.97	
DRO >C10-C28*	<10.0	10.0	02/01/2022	ND	190	95.2	200	3.50	
EXT DRO >C28-C36	<10.0	10.0	02/01/2022	ND					

Surrogate: 1-Chlorooctane 112 % 66.9-136

Surrogate: 1-Chlorooctadecane 117 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH
 RYAN DICKERSON
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	02/01/2022	Sampling Date:	01/31/2022
Reported:	02/02/2022	Sampling Type:	Soil
Project Name:	WILDER PIPELINE MANIFOLD RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02383	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: FS - 1 (4') (H220372-05)

BTX 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/01/2022	ND	1.95	97.3	2.00	10.6		
Toluene*	<0.050	0.050	02/01/2022	ND	1.87	93.3	2.00	11.9		
Ethylbenzene*	<0.050	0.050	02/01/2022	ND	1.85	92.7	2.00	11.0		
Total Xylenes*	<0.150	0.150	02/01/2022	ND	5.60	93.3	6.00	11.2		
Total BTX	<0.300	0.300	02/01/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/02/2022	ND	416	104	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	02/01/2022	ND	191	95.5	200	2.97	
DRO >C10-C28*	<10.0	10.0	02/01/2022	ND	190	95.2	200	3.50	
EXT DRO >C28-C36	<10.0	10.0	02/01/2022	ND					

Surrogate: 1-Chlorooctane 101 % 66.9-136

Surrogate: 1-Chlorooctadecane 103 % 59.5-142

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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

Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager

Analysis Request of Custody Record



Tetra Tech, Inc.

4000 N. Big Spring Street, Ste
401 Midland, Texas 79705
Tel (432) 682-4559
Fax (432) 682-3946

Client Name:

Conaco Phillips

Site Manager:

Ryan Dickerson

Project Name:

Wilder Pipeline Mainfold Release

Project Location:

(county, state) Lea County, NM 8

Project #:

212C-W40-02383

Invoice to:

Accounts Payable Tetra Tech 8900 N Capital of Texas Highway Ste. 2310

Receiving Laboratory:

Cardinal Lab

Comments:

Ryan Dickerson@tetra-tech.com

LAB #

H220372

LAB USE ONLY

SAMPLING

YEAR: 10/22

DATE

TIME

MATRIX

PRESERVATIVE METHOD

WATER

SOIL

HCL

HNO₃

ICE

CONTAINERS

FILTERED (Y/N)

BTX 8021B BTX 8260B

TPH TX1005 (Ext to C35)

TPH 8015M (GRO - DRO - ORO)

PAH 8270C

Total Metals Ag As Ba Cd Cr Pb Se Hg

TCLP Metals Ag As Ba Cd Cr Pb Se Hg

TCLP Volatiles

TCLP Semi Volatiles

RCI

GC/MS Vol. 8260B / 624

GC/MS Semi. Vol. 8270C/625

PCB's 8082 / 608

NORM

PLM (Asbestos)

Chloride

Chloride Sulfate TDS

General Water Chemistry (see attached list)

Anion/Cation Balance

Asbestos

Hold

ANALYSIS REQUEST

(Circle or Specify Method No.)

Inquired by:

02/01/22 8:10

Received by:

Date: Time:

Inquired by:

02/01/22 8:10

Received by:

Date: Time:

Inquired by:

02/01/22 8:10

Received by:

Date: Time:

LAB USE ONLY

REMARKS:

☒ RUSH: Same Day 24 hr 48 hr 72 hr

☐ Rush Charges Authorized

☐ Special Report Limits or TRRP Report

Sample Temperature

3.3°C

2.0.5°C

2.8°C #113

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

ORIGINAL COPY

APPENDIX E

Photographic Documentation



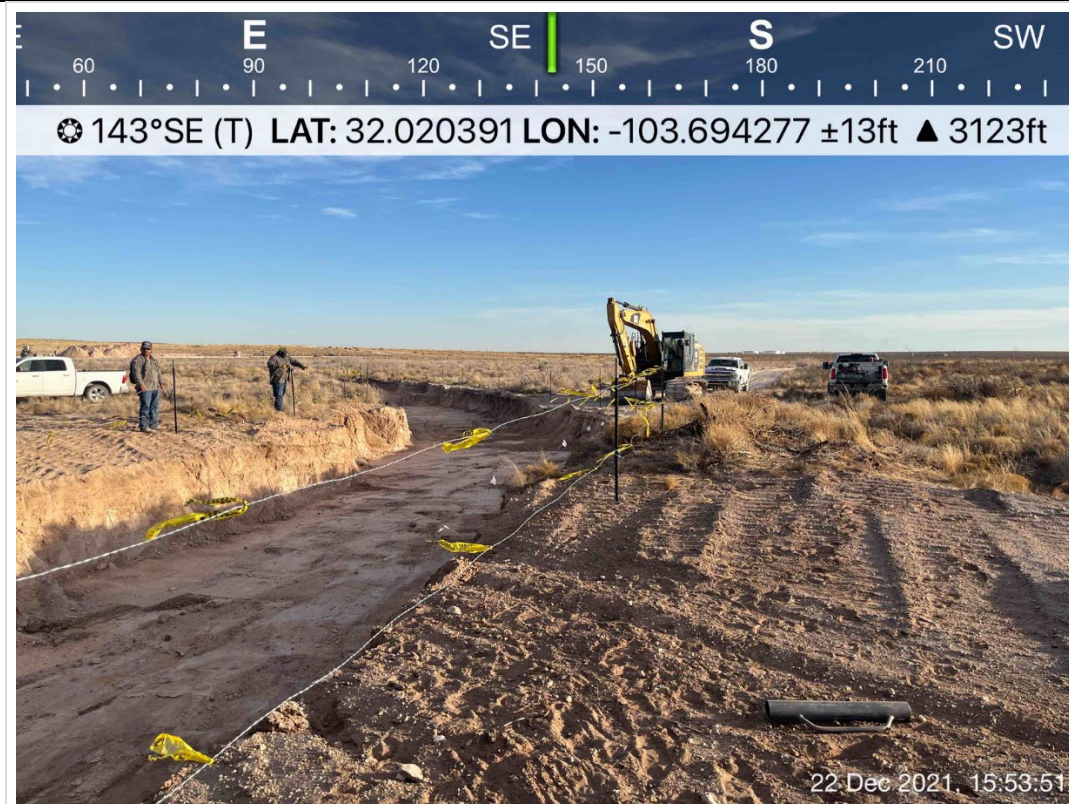
TETRA TECH, INC. PROJECT NO. 212C-MD-02383	DESCRIPTION	View southeast. Eastern extent of remediated area.	1
	SITE NAME	ConocoPhillips Wilder Pipeline Manifold Release	12/15/2021



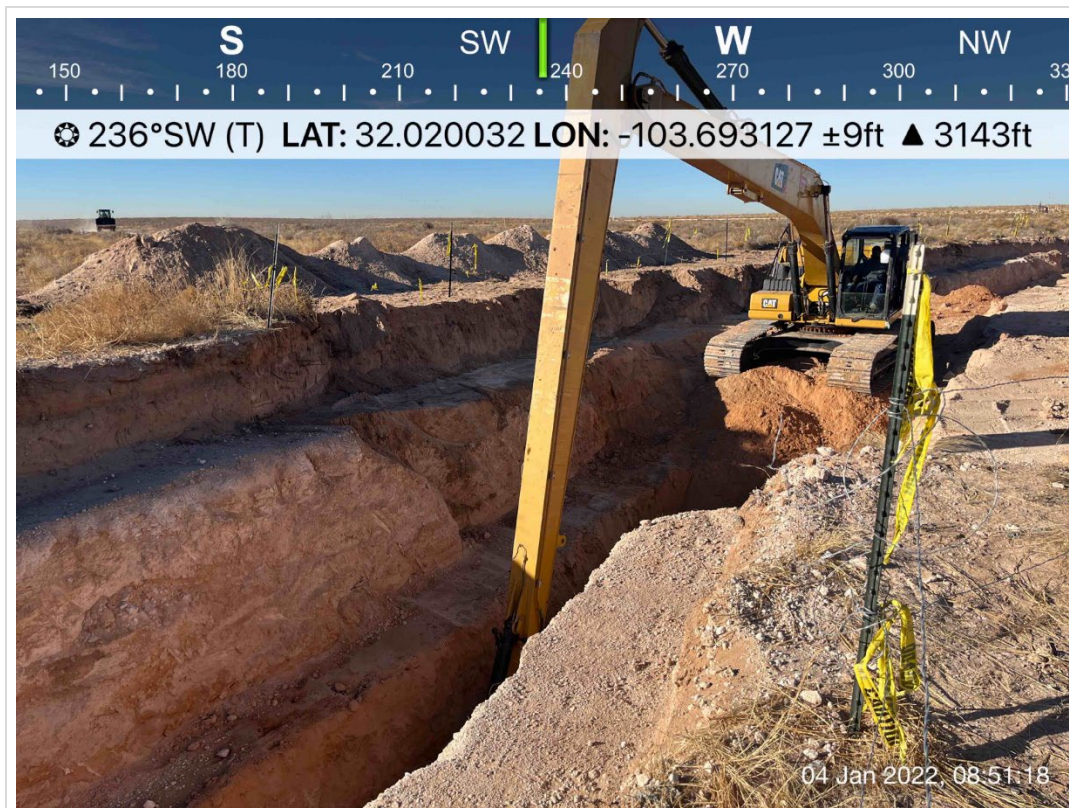
TETRA TECH, INC. PROJECT NO. 212C-MD-02383	DESCRIPTION	View east. Progress of remedial activities in eastern portion of excavation area.	2
	SITE NAME	ConocoPhillips Wilder Pipeline Manifold Release	12/22/2022



TETRA TECH, INC. PROJECT NO. 212C-MD-02383	DESCRIPTION	View east. Progress of remedial activities in eastern portion of excavation area.	3
	SITE NAME	ConocoPhillips Wilder Pipeline Manifold Release	12/22/2021



TETRA TECH, INC. PROJECT NO. 212C-MD-02383	DESCRIPTION	View southeast. Progression of excavation toward Solaris line and release point.	4
	SITE NAME	ConocoPhillips Wilder Pipeline Manifold Release	12/22/2021



TETRA TECH, INC. PROJECT NO. 212C-MD-02383	DESCRIPTION	View southwest. Eastern portion of the remediated area, deepening 20' bgs excavation.	5
	SITE NAME	ConocoPhillips Wilder Pipeline Manifold Release	1/4/2022



TETRA TECH, INC. PROJECT NO. 212C-MD-02383	DESCRIPTION	View west-northwest. Excavation progress in the central portion of the remediated area.	6
	SITE NAME	ConocoPhillips Wilder Pipeline Manifold Release	1/11/2022



TETRA TECH, INC. PROJECT NO. 212C-MD-02383	DESCRIPTION	View south. Remediation progress in Central portion of excavation area.	7
	SITE NAME	ConocoPhillips Wilder Pipeline Manifold Release	1/12/2022



TETRA TECH, INC. PROJECT NO. 212C-MD-02383	DESCRIPTION	View south-southeast. Central eastern portion of remediated area, during deepening.	8
	SITE NAME	ConocoPhillips Wilder Pipeline Manifold Release	1/12/2022



TETRA TECH, INC. PROJECT NO. 212C-MD-02383	DESCRIPTION	View west. Far eastern and central eastern portion of remediated areas.	9
	SITE NAME	ConocoPhillips Wilder Pipeline Manifold Release	1/12/2022



TETRA TECH, INC. PROJECT NO. 212C-MD-02383	DESCRIPTION	View northwest. Central portion of excavated area	10
	SITE NAME	ConocoPhillips Wilder Pipeline Manifold Release	1/12/2022

South Elevation

☀ 354°N (T) ● 32.020386°, -103.694194° ±16ft ▲ 3138ft



Excavation complete
Your Watermark - See Settings

COP Wilder pipeline
27 Jan 2022, 11:12:20

TETRA TECH, INC. PROJECT NO. 212C-MD-02383	DESCRIPTION	View north. Open excavation from Solaris line north to release point.	11
	SITE NAME	ConocoPhillips Wilder Pipeline Manifold Release	1/27/2022

North West Elevation

☀ 147°SE (T) ● 32.020874°, -103.694391° ±16ft ▲ 3147ft



Hydro Excavation progress
Your Watermark - See Settings

COP Wilder pipeline
27 Jan 2022, 12:03:13

TETRA TECH, INC. PROJECT NO. 212C-MD-02383	DESCRIPTION	View south. Hydro-excavation activities in the northern portion of the excavated area, near the pipeline manifold.	12
	SITE NAME	ConocoPhillips Wilder Pipeline Manifold Release	1/27/2022



TETRA TECH, INC. PROJECT NO. 212C-MD-02383	DESCRIPTION	View north. Open excavation around manifold prior to lining of the excavated area.	13
	SITE NAME	ConocoPhillips Wilder Pipeline Manifold Release	2/1/2022



TETRA TECH, INC. PROJECT NO. 212C-MD-02383	DESCRIPTION	View north. Poly liner placement in the northern portion of the excavated area.	14
	SITE NAME	ConocoPhillips Wilder Pipeline Manifold Release	2/1/2022

North East Elevation

☉ 243°SW (T) ● 32.020675°, -103.694233° ±16ft ▲ 3141ft



Your Watermark - See Settings

COP Wilder pipeline
02 Feb 2022, 11:43:59

TETRA TECH, INC. PROJECT NO. 212C-MD-02383	DESCRIPTION	View southwest. Poly liner placement in the northern portion of the excavated area.	15
	SITE NAME	ConocoPhillips Wilder Pipeline Manifold Release	2/2/2022



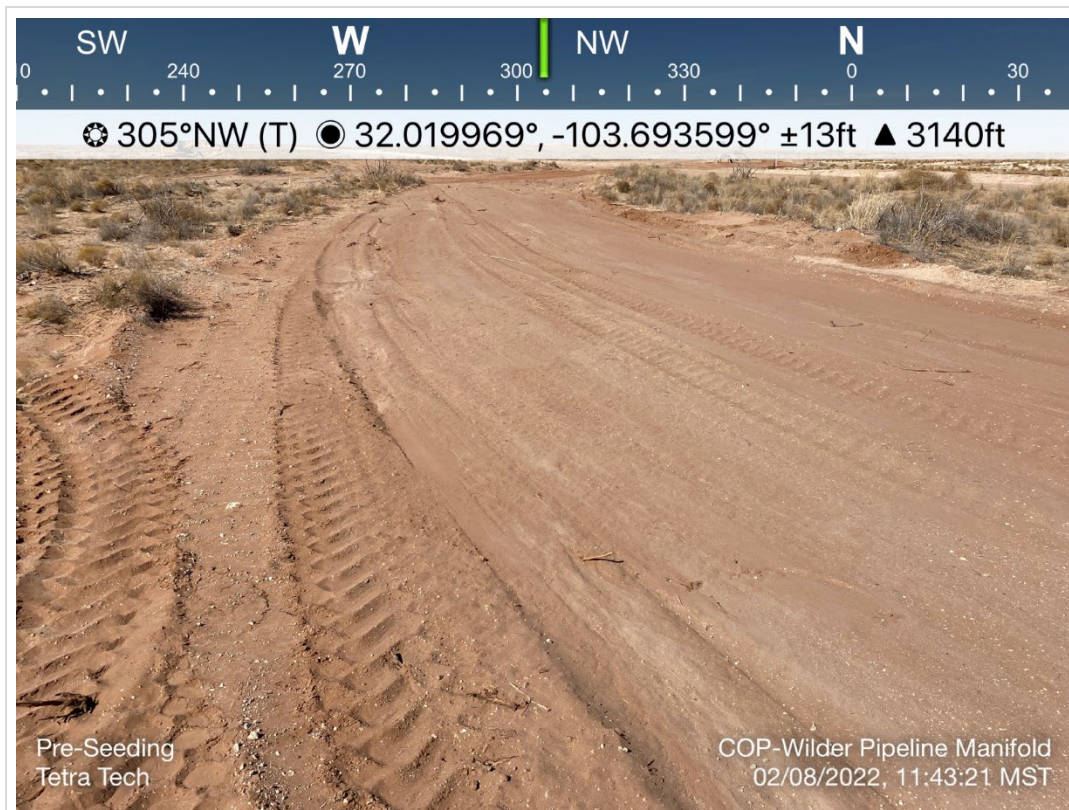
☉ 266°W (T) ● 32.020065°, -103.692880° ±13ft ▲ 3138ft



Pre-Seeding
Tetra Tech

COP-Wilder Pipeline Manifold
02/08/2022, 11:41:26 MST

TETRA TECH, INC. PROJECT NO. 212C-MD-02383	DESCRIPTION	View west. Backfilled and graded area near the eastern extent of the excavated area.	16
	SITE NAME	ConocoPhillips Wilder Pipeline Manifold Release	2/8/2022



TETRA TECH, INC. PROJECT NO. 212C-MD-02383	DESCRIPTION	View northwest. Backfilled and graded central portion of remediated area.	17
	SITE NAME	ConocoPhillips Wilder Pipeline Manifold Release	2/8/2022



TETRA TECH, INC. PROJECT NO. 212C-MD-02383	DESCRIPTION	View east. Backfilled and graded area in the northern portion of the excavated area.	18
	SITE NAME	ConocoPhillips Wilder Pipeline Manifold Release	2/8/2022

APPENDIX F

Waste Manifests

**OWL Landfill Services, LLC**

Northern Delaware Basin Landfill
8201 Preston Road
Suite 520
Dallas TX 75225

CONSOLIDATED INVOICE

CONSOLIDATED INVOICE #	INVOICE DATE	CURRENCY
CI_08491	2/1/2022	USA

Bill To:

Production Management Industries, LLC
PO BOX 2692
1204 Youngs Rd.
Morgan City
LA
70380
US

Ship To:

Production Management Industries, LLC
PO BOX 2692
1204 Youngs Rd.
Morgan City
LA
70380
US

Details

DATE	INVOICE	MANIFEST #	TRUCK TICKET #	ITEM	LEASE	WELL	QTY	RATE	TOTAL	TAX	AMOUNT
2/1/2022	LFS0104168			Contaminated Wilder Pipeline Manifold N/A. Soil Release.				18.00	32,112.00	1,766.16	33,878.16
									SUB TOTAL		32,112.00
									TAX		1,766.16
									TOTAL		\$33,878.16
									AMOUNT PAID		0.00
									TOTAL DUE		\$33,878.16
CI_08491			UOM	Qty			Rate	Amount			
Contaminated Soil Total:			NA	1784			\$18.00	\$32,112.00			
NM - Lea County Total:			Taxes	1			\$1,766.16	\$1,766.16			
									Total:		\$33,878.16

Name	Date	Invoiced	WP#	RI#	Lease	Well	Manifest #	Trucks	Item	Item Rate	Quantity	Amount	Hauler	Truck Type	Client Company	Man	A/E #	Status
Production Management Industries, LLC	12/10/2021	LF50091893	93004	N/A	Wildor Pipeline Manifold Release	N/A	0111466	8045	Contaminated Soil	18	20	379.80	SOR Enterprises, LLC	Belly Dumps	Jenni F	N/A		Paid In Full
Production Management Industries, LLC	12/10/2021	LF50091938	93006	N/A	Wildor Pipeline Manifold Release	N/A			Contaminated Soil	18	18	341.82	SOR Enterprises, LLC	Belly Dumps	Jenni Fortunato	N/A		Paid In Full
Production Management Industries, LLC	12/10/2021	LF50091941	93008	N/A	Wildor Pipeline Manifold Release	N/A	16	8256	Contaminated Soil	18	18	341.82	SOR Enterprises, LLC	Belly Dumps	Jenni Fortunato	N/A		Paid In Full
Production Management Industries, LLC	12/10/2021	LF50091943	93010	N/A	Wildor Pipeline Manifold Release	N/A			Contaminated Soil (IL)	18	18	379.80	SOR Enterprises, LLC	Belly Dumps	Jenni Fortunato	N/A		Paid In Full
Production Management Industries, LLC	12/13/2021	LF50091842	92955	N/A	Wildor Pipeline Manifold Release	N/A	2	8084	Contaminated Soil	18	20	379.80	SOR Enterprise, LLC	Belly Dumps	Jenni Fortunato	N/A		Paid In Full
Production Management Industries, LLC	12/13/2021	LF50091844	92957	N/A	Wildor Pipeline Manifold Release	N/A	98976	N/A	Contaminated Soil	18	20	379.80	SOR Enterprises	Belly Dumps	Jenni Fortunato	N/A		Paid In Full
Production Management Industries, LLC	12/13/2021	LF50091845	92958	N/A	Wildor Pipeline Manifold Release	N/A	009878	7914	Contaminated Soil	18	18	341.82	SOR Enterprises, LLC	Belly Dumps	Jenny Fortunato	N/A		Paid In Full
Production Management Industries, LLC	12/13/2021	LF50091847	92959	N/A	Wildor Pipeline Manifold Release	N/A	68746	6914	Contaminated Soil	18	20	379.80	SOR Enterprises, LLC	Belly Dumps	Jenni Fortunato	N/A		Paid In Full
Production Management Industries, LLC	12/13/2021	LF50091848	92960	N/A	Wildor Pipeline Manifold Release	N/A	1117680		Contaminated Soil	18	18	341.82	SOR Enterprises	Belly Dumps	Jenni Fortunato	N/A		Paid In Full
Production Management Industries, LLC	12/13/2021	LF50091855	92967	N/A	Wildor Pipeline Manifold Release	N/A	0103883	6255	Contaminated Soil	18	20	379.80	SOR Enterprises, LLC	Belly Dumps	Jenni F	N/A		Paid In Full
Production Management Industries, LLC	12/13/2021	LF50091859	92971	N/A	Wildor Pipeline Manifold Release	N/A	N/A		Contaminated Soil	18	18	341.82	SOR Enterprises LLC	End Dump	Jenni Fortunato	N/A		Paid In Full
Production Management Industries, LLC	12/13/2021	LF50091861	92974	N/A	Wildor Pipeline Manifold Release	N/A	93221	7951	Contaminated Soil	18	20	379.80	SOR Enterprises, LLC	Belly Dumps	Jenni Fortunato	N/A		Paid In Full
Production Management Industries, LLC	12/13/2021	LF50091862	92976	N/A	Wildor Pipeline Manifold Release	N/A	0111465		Contaminated Soil	18	18	341.82	SOR Enterprises	Belly Dumps	Jenni Fortunato	N/A		Paid In Full
Production Management Industries, LLC	12/13/2021	LF50091879	92996	N/A	Wildor Pipeline Manifold Release	N/A	14	6075	Contaminated Soil	18	18	341.82	SOR Enterprises	Belly Dumps	Jenni Fortunato	N/A		Paid In Full
Production Management Industries, LLC	12/13/2021	LF50091883	92992	N/A	Wildor Pipeline Manifold Release	N/A	12	7915	Contaminated Soil	18	18	341.82	SOR Enterprises	Belly Dumps	Jenni Fortunato	N/A		Paid In Full
Production Management Industries, LLC	12/13/2021	LF50091884	92990	N/A	Wildor Pipeline Manifold Release	N/A	10	N/A	Contaminated Soil	18	20	379.80	SOR Enterprises	Belly Dumps	Jenni Fortunato	N/A		Paid In Full
Production Management Industries, LLC	12/15/2021	LF50092221	93011	N/A	Wildor Pipeline Manifold Release	N/A	N/A		Contaminated Soil	18	18	379.80	SOR Enterprises	Belly Dumps	Jenni Fortunato	N/A		Paid In Full
Production Management Industries, LLC	12/15/2021	LF50092258	93775	N/A	Wildor Pipeline Manifold Release	N/A	N/A		Contaminated Soil	18	18	341.82	SOR	Belly Dumps	Jenni Fortunato/ Devin Dominguez	N/A		Paid In Full
Production Management Industries, LLC	12/15/2021	LF50092259	93777	N/A	Wildor Pipeline Manifold Release	N/A	N/A	6257	Contaminated Soil	18	18	341.82	SOR	Belly Dumps	Jenni Fortunato/ Devin Dominguez	N/A		Paid In Full
Production Management Industries, LLC	12/15/2021	LF50092255	93769	N/A	Wildor Pipeline Manifold Release	N/A	22	N/A	Contaminated Soil	18	18	341.82	SOR Enterprises	Belly Dumps	Jenni F/ Devin D	N/A		Paid In Full
Production Management Industries, LLC	12/15/2021	LF50092256	93773	N/A	Wildor Pipeline Manifold Release	N/A	N/A		Contaminated Soil	18	18	341.82	SOR	Belly Dumps	Jenni Fortunato/ Devin Dominguez	N/A		Paid In Full
Production Management Industries, LLC	12/15/2021	LF50092257	93774	N/A	Wildor Pipeline Manifold Release	N/A	7749		Contaminated Soil	18	18	341.82	SOR Enterprises	Belly Dumps	Jenni Fortunato/ Devin Dominguez	N/A		Paid In Full
Production Management Industries, LLC	12/15/2021	LF50092260	93782	N/A	Wildor Pipeline Manifold Release	N/A	N/A	5676	Contaminated Soil	18	18	341.82	SOR	Belly Dumps	Jenni Fortunato/ Devin Dominguez	N/A		Paid In Full
Production Management Industries, LLC	12/15/2021	LF50092261	93781	N/A	Wildor Pipeline Manifold Release	N/A	27	8257	Contaminated Soil	18	20	379.80	SOR Enterprise	Belly Dumps	Jenni Fortunato/ Devin Dominguez	N/A		Paid In Full
Production Management Industries, LLC	12/15/2021	LF50092269	93799	N/A	Wildor Pipeline Manifold Release	N/A	N/A	N/A	Contaminated Soil	18	18	341.82	SOR	Belly Dumps	Jenni Fortunato/ Devin Dominguez	N/A		Paid In Full
Production Management Industries, LLC	12/15/2021	LF50092270	93800	N/A	Wildor Pipeline Manifold Release	N/A	N/A	N/A	Contaminated Soil	18	18	341.82	SOR Enterprises	Belly Dumps	Jenni Fortunato/ Devin Dominguez	N/A		Paid In Full
Production Management Industries, LLC	12/15/2021	LF50092304	93803	N/A	Wildor Pipeline Manifold Release	N/A	N/A		Contaminated Soil	18	18	341.82	SOR Enterprises	Belly Dumps	Jenni F/ Devin D	N/A		Paid In Full
Production Management Industries, LLC	12/15/2021	LF50092322	93808	N/A	Wildor Pipeline Manifold Release	N/A	N/A		Contaminated Soil	18	18	341.82	SOR Enterprises	Belly Dumps	Jenni F/ Devin D	N/A		Paid In Full
Production Management Industries, LLC	12/15/2021	LF50092336	93767	N/A	Wildor Pipeline Manifold Release	N/A	19	N/A	Contaminated Soil	18	18	341.82	SOR Enterprises	Belly Dumps	Jenni F/ Devin Dominguez	N/A		Paid In Full
Production Management Industries, LLC	12/15/2021	LF50092341	93816	N/A	Wildor Pipeline Manifold Release	N/A	31	6258	Contaminated Soil	18	18	341.82	SOR Enterprises	Belly Dumps	Jenni Fortunato/ Devin Dominguez	N/A		Paid In Full
Production Management Industries, LLC	12/15/2021	LF50092339	93811	N/A	Wildor Pipeline Manifold Release	N/A	N/A		Contaminated Soil	18	18	341.82	SOR	Belly Dumps	Jenni Fortunato/ Devin Dominguez	N/A		Paid In Full
Production Management Industries, LLC	12/15/2021	LF50092341	93815	N/A	Wildor Pipeline Manifold Release	N/A	34	6258	Contaminated Soil	18	18	341.82	SOR Enterprises	Belly Dumps	Jenni F/ Devin D	N/A		Paid In Full
Production Management Industries, LLC	12/15/2021	LF50092348	93819	N/A	Wildor Pipeline Manifold Release	N/A	35	8258	Contaminated Soil	18	18	341.82	SOR Enterprises	Belly Dumps	Jenni F/ Devin D	N/A		Paid In Full
Production Management Industries, LLC	12/15/2021	LF50092363	93810	N/A	Wildor Pipeline Manifold Release	N/A	N/A	7749	Contaminated Soil	18	18	341.82	SOR	Belly Dumps	Jenni Fortunato/ Devin Dominguez	N/A		Paid In Full
Production Management Industries, LLC	12/15/2021	LF50092419	93851	N/A	Wildor Pipeline Manifold Release	N/A	46	8259	Contaminated Soil	18	18	341.82	SOR Enterprise	Belly Dumps	Jenni F/ Devin D	N/A		Paid In Full
Production Management Industries, LLC	12/15/2021	LF50092410	93845	N/A	Wildor Pipeline Manifold Release	N/A	N/A	6043	Contaminated Soil	18	18	341.82	SOR	Belly Dumps	Jenni Fortunato/ Devin Dominguez	N/A		Paid In Full
Production Management Industries, LLC	12/15/2021	LF50092409	93849	N/A	Wildor Pipeline Manifold Release	N/A	45	5678	Contaminated Soil	18	18	341.82	SOR Enterprises	Belly Dumps	Jenni F/ Devin D	N/A		Paid In Full
Production Management Industries, LLC	12/15/2021	LF50092441	93871	N/A	Wildor Pipeline Manifold Release	N/A	N/A		Contaminated Soil	18	18	341.82	SOR Enterprises	Belly Dumps	Jenni F/ Devin D	N/A		Paid In Full
Production Management Industries, LLC	12/15/2021	LF50092452	93871	N/A	Wildor Pipeline Manifold Release	N/A	48	N/A	Contaminated Soil	18	18	341.82	SOR Enterprises	Belly Dumps	Jenni F/ Devin D	N/A		Paid In Full
Production Management Industries, LLC	12/15/2021	LF50092462	93876	N/A	Wildor Pipeline Manifold Release	N/A	N/A		Contaminated Soil	18	18	341.82	SOR	Belly Dumps	Jenni Fortunato/ Devin Dominguez	N/A		Paid In Full
Production Management Industries, LLC	12/15/2021	LF50092465	93840	N/A	Wildor Pipeline Manifold Release	N/A	N/A	N/A	Contaminated Soil	18	18	341.82	SOR	Belly Dumps	Jenni Fortunato/ Devin Dominguez	N/A		Paid In Full
Production Management Industries, LLC	12/15/2021	LF50092466	93841	N/A	Wildor Pipeline Manifold Release	N/A	N/A	N/A	Contaminated Soil	18	18	341.82	SOR Enterprises	Belly Dumps	Jenni Fortunato/ Devin Dominguez	N/A		Paid In Full
Production Management Industries, LLC	12/15/2021	LF50092472	93879	N/A	Wildor Pipeline Manifold Release	N/A	N/A	5679	Contaminated Soil	18	18	341.82	SOR Enterprises	Belly Dumps	Jenni F/ Devin D	N/A		Paid In Full
Production Management Industries, LLC	12/15/2021	LF50092464	93877	N/A	Wildor Pipeline Manifold Release	N/A	50	N/A	Contaminated Soil	18	18	341.82	SOR Enterprises	Belly Dumps	Jenni F/ Devin D	N/A		Paid In Full
Production Management Industries, LLC	12/15/2021	LF50092473	93881	N/A	Wildor Pipeline Manifold Release	N/A	51	6260	Contaminated Soil	18	18	341.82	SOR Enterprises	Dump Truck	Jenni F/ Devin D	N/A		Paid In Full
Production Management Industries, LLC	12/15/2021	LF50092468	93883	N/A	Wildor Pipeline Manifold Release	N/A	53	6260	Contaminated Soil	18	18	341.82	SOR Enterprises	End Dump	Jenni F/ Devin D	N/A		Paid In Full
Production Management Industries, LLC	12/15/2021	LF50092499	93889	N/A	Wildor Pipeline Manifold Release	N/A	54	6260	Contaminated Soil	18	18	341.82	SOR Enterprises	End Dump	Jenni F/ Devin D	N/A		Paid In Full
Production Management Industries, LLC	12/16/2021	LF50092677	94023	N/A	Wildor Pipeline Manifold Release	N/A	N/A	N/A	Contaminated Soil	18	18	341.82	SOR Enterprises	Belly Dumps	Devin Dominguez	N/A		Paid In Full
Production Management Industries, LLC	12/16/2021	LF50092671	94012	N/A	Wildor Pipeline Manifold Release	N/A	N/A	N/A	Contaminated Soil	18	20	379.80	SOR Enterprises	Belly Dumps	Devin Dominguez	N/A		Paid In Full
Production Management Industries, LLC	12/16/2021	LF50092682	94027	N/A	Wildor Pipeline Manifold Release	N/A	63	8261	Contaminated Soil	18	18	341.82	SOR Enterprise	End Dump	Devin Dominguez	N/A		Paid In Full
Production Management Industries, LLC	12/16/2021	LF50092671	94012	N/A	Wildor Pipeline Manifold Release	N/A	62	8261	Contaminated Soil	18	18	341.82	SOR Enterprise	End Dump	Devin Dominguez	N/A		Paid In Full
Production Management Industries, LLC	12/16/2021	LF50092679	94024	N/A	Wildor Pipeline Manifold Release	N/A	62	8264	Contaminated Soil	18	18	341.82	SOR Enterprise	Belly Dumps	Devin Dominguez	N/A		Paid In Full
Production Management Industries, LLC	12/16/2021	LF50092669	94014	N/A	Wildor Pipeline Manifold Release	N/A	58	9001	Contaminated Soil	18	18	341.82	SOR Enterprise	Belly Dumps	Devin Dominguez	N/A		Paid In Full
Production Management Industries, LLC	12/16/2021	LF50092673	94017	N/A	Wildor Pipeline Manifold Release	N/A	N/A		Contaminated Soil	18	18	341.82	SOR Enterprises	Belly Dumps	Devin Dominguez	N/A		Paid In Full
Production Management Industries, LLC	12/16/2021	LF50092681	94026	N/A	Wildor Pipeline Manifold Release	N/A	54	9000	Contaminated Soil	18	18	341.82	SOR Enterprise	Belly Dumps	Devin Dominguez	N/A		Paid In Full
Production Management Industries, LLC	12/16/2021	LF50092675	94016	N/A	Wildor Pipeline Manifold Release	N/A	N/A	6260	Contaminated Soil	18	18	341.82	SOR Enterprises	Belly Dumps	Devin Dominguez	N/A		Paid In Full
Production Management Industries, LLC	12/16/2021	LF50092676	94022	N/A	Wildor Pipeline Manifold Release	N/A	61	N/A	Contaminated Soil	18	18	341.82	SOR Enterprise	Belly Dumps	Devin Dominguez	N/A		Paid In Full
Production Management Industries, LLC	12/16/2021	LF50092699	94041	N/A	Wildor Pipeline Manifold Release	N/A	N/A	9001	Contaminated Soil	18	18	341.82	SOR Enterprises	Belly Dumps	Devin Dominguez	N/A		Paid In Full
Production Management Industries, LLC	12/16/2021	LF50092706	94044	N/A	Wildor Pipeline Manifold Release	N/A	N/A		Contaminated Soil	18	18	341.82	SOR Enterprises	Belly Dumps	Devin Dominguez	N/A		Paid In Full
Production Management Industries, LLC	12/16/2021	LF50092711	94049	N/A	Wildor Pipeline Manifold Release	N/A	N/A		Contaminated Soil	18	18	341.82	SOR Enterprises	Belly Dumps	Devin Dominguez	N/A		Paid In Full
Production Management Industries, LLC	12/16/2021	LF50092721	94056	N/A	Wildor Pipeline Manifold Release	N/A	70	N/A	Contaminated Soil	18	18	341.82	SOR Enterprise	Belly Dumps	Devin Dominguez	N/A		Paid In Full
Production Management Industries, LLC	12/16/2021	LF50092716	94049	N/A	Wildor Pipeline Manifold Release	N/A	N/A		Contaminated Soil	18	18	341.82	SOR Enterprises	Belly Dumps	Devin Dominguez	N/A		Paid In Full
Production Management Industries, LLC	12/16/2021	LF50092720	94053	N/A	Wildor Pipeline Manifold Release	N/A	N/A	6262	Contaminated Soil	18	18	341.82	SOR Enterprises	Belly Dumps	Devin Dominguez	N/A		Paid In Full
Production Management Industries, LLC	12/16/2021	LF50092723	94058	N/A	Wildor Pipeline Manifold Release	N/A	N/A	6263	Contaminated Soil	18	18	341.82	SOR Enterprises	End Dump	Devin Dominguez	N/A		Paid In Full
Production Management Industries, LLC	12/16/2021	LF50092723	94062	N/A	Wildor Pipeline Manifold Release	N/A	74	8262	Contaminated Soil	18	18	341.82	SOR Enterprise	End Dump	Devin Dominguez	N/A		Paid In Full
Production Management Industries, LLC	12/16/2021	LF50092733	94063	N/A	Wildor Pipeline Manifold Release	N/A	72	6044	Contaminated Soil	18	18	341.82	SOR Enterprise	End Dump	Devin Dominguez	N/A		Paid In Full
Production Management Industries, LLC	12/17/2021	LF50092646	93766	N/A	Wildor Pipeline Manifold Release	N/A	N/A		Contaminated Soil	18	18	341.82	SOR Enterprise	Belly Dumps	Jenni F/ Devin Dominguez	N/A		Paid In Full
Production Management Industries, LLC	12/17/2021	LF50092696	93790	N/A	Wildor Pipeline Manifold Release	N/A	N/A		Contaminated Soil	18	18	341.82	SOR Enterprise	Belly Dumps	Jenni F/ Devin Dominguez	N/A		Paid In Full
Production Management Industries, LLC	12/17/2021	LF50092982	93839	N/A	Wildor Pipeline Manifold Release	N/A	N/A		Contaminated Soil	18	18	341.82	SOR	Belly Dumps	Jenni Fortunato/ Devin Dominguez	N/A		Paid In Full
Production Management Industries, LLC	12/17/2021	LF50092984	93841	N/A	Wildor Pipeline Manifold Release	N/A	N/A		Contaminated Soil	18	18	341.82	SOR Enterprise	Belly Dumps	Jenni Fortunato/ Devin Dominguez	N/A		Paid In Full
Production Management Industries, LLC	12/17/2021	LF50092974	93832	N/A	Wildor Pipeline Manifold Release	N/A	N/A		Contaminated Soil	18	18	341.82	SOR	Belly Dumps	Jenni Fortunato/ Devin Dominguez	N/A		Paid In Full
Production Management Industries, LLC	12/17/2021	LF50092981	93837	N/A	Wildor Pipeline Manifold Release	N/A	N/A		Contaminated Soil	18	18	341.82	SOR Enterprise	Belly Dumps	Jenni Fortunato/ Devin Dominguez	N/A		Paid In Full
Production Management Industries, LLC	12/20/2021	LF50093597	94760	N/A	Wildor Pipeline Manifold Release	N/A	75	N/A	Contaminated Soil	18	18	341.82	SOR Enterprises	Belly Dumps	Devin Dominguez	N/A		Paid In Full
Production Management Industries, LLC	12/20/2021	LF50093603	94764	N/A	Wildor Pipeline Manifold Release	N/A	78	6045	Contaminated Soil	18</								

**OWL Landfill Services, LLC**

Northern Delaware Basin Landfill
8201 Preston Road
Suite 520
Dallas TX 75225

CONSOLIDATED INVOICE

CONSOLIDATED INVOICE #	INVOICE DATE	CURRENCY
CI_08492	2/1/2022	USA

Bill To:

Production Management Industries, LLC
PO BOX 2692
1204 Youngs Rd.
Morgan City
LA
70380
US

Ship To:

Production Management Industries, LLC
PO BOX 2692
1204 Youngs Rd.
Morgan City
LA
70380
US

Details

DATE	INVOICE	MANIFEST #	TRUCK TICKET #	ITEM	LEASE	WELL	QTY	RATE	TOTAL	TAX	AMOUNT
2/1/2022	LFS0104171			Contaminated Soil	Wilder Pipeline Release.	Manifold N/A.		18.00	28,728.00	1,580.04	30,308.04
									SUB TOTAL	28,728.00	
									TAX	1,580.04	
									TOTAL	\$30,308.04	
									AMOUNT PAID	0.00	
									TOTAL DUE	\$30,308.04	

CI_08492	UOM	Qty	Rate	Amount
Contaminated Soil Total:	NA	1596	\$18.00	\$28,728.00
NM - Lea County Total:	Taxes	1	\$1,580.04	\$1,580.04
Total:				\$30,308.04

	Name	Date	Invoiced	WP#	Rig	Lease	Well	Manifest #	Trucks	Item	Item Rate	Quantity	Amount	Hauler	Truck Type	Client/Company Man	A/E #
	Production Management Industries, LLC	1/14/2022	LFS0906039	97214	N/A	Wilder Pipeline Manifold Release, N/A	098	N/A	N/A	Contaminated Soil	18	18	341.82	SDR Enterprises	Belly Dump	Jenni Fortunato	N/A
	Production Management Industries, LLC	1/14/2022	LFS0906040	97212	N/A	Wilder Pipeline Manifold Release, N/A	102	686	5686	Contaminated Soil	18	18	341.82	SDR Enterprises	Belly Dump	Jenni Fortunato	N/A
	Production Management Industries, LLC	1/14/2022	LFS0906041	97211	N/A	Wilder Pipeline Manifold Release, N/A	100	N/A	N/A	Contaminated Soil	18	18	341.82	SDR Enterprises	Belly Dump	Jenni Fortunato	N/A
	Production Management Industries, LLC	1/14/2022	LFS0906050	97209	N/A	Wilder Pipeline Manifold Release, N/A	99	8055	8055	Contaminated Soil	18	18	341.82	SDR Enterprises	Belly Dump	Jenni Fortunato	N/A
	Production Management Industries, LLC	1/14/2022	LFS0906043	97218	N/A	Wilder Pipeline Manifold Release, N/A	105	6046	6046	Contaminated Soil	18	20	379.80	SDR Enterprises	End Dump	Jenni Fortunato	N/A
	Production Management Industries, LLC	1/14/2022	LFS0906044	97219	N/A	Wilder Pipeline Manifold Release, N/A	103	9005	9005	Contaminated Soil	18	18	341.82	SDR Enterprises	Belly Dump	Jenni Fortunato	N/A
	Production Management Industries, LLC	1/14/2022	LFS0906046	97216	N/A	Wilder Pipeline Manifold Release, N/A	104	8266	8266	Contaminated Soil	18	18	341.82	SDR Enterprises	Belly Dump	Jenni Fortunato	N/A
	Production Management Industries, LLC	1/14/2022	LFS0906049	97210	N/A	Wilder Pipeline Manifold Release, N/A	101	9083	9083	Contaminated Soil	18	18	341.82	SDR Enterprises	Belly Dump	Jenni Fortunato	N/A
	Production Management Industries, LLC	1/14/2022	LFS0906076	97242	N/A	Wilder Pipeline Manifold Release, N/A	109	N/A	N/A	Contaminated Soil	18	18	341.82	SDR Enterprises	Belly Dump	Jenni Fortunato	N/A
	Production Management Industries, LLC	1/14/2022	LFS0906079	97245	N/A	Wilder Pipeline Manifold Release, N/A	114	9005	9005	Contaminated Soil	18	18	341.82	SDR Enterprises	Belly Dump	Jenni Fortunato	N/A
	Production Management Industries, LLC	1/14/2022	LFS0906078	97243	N/A	Wilder Pipeline Manifold Release, N/A	111	N/A	N/A	Contaminated Soil	18	18	341.82	SDR Enterprises	Belly Dump	Jenni Fortunato	N/A
	Production Management Industries, LLC	1/14/2022	LFS0906086	97252	N/A	Wilder Pipeline Manifold Release, N/A	115	6266	6266	Contaminated Soil	18	18	341.82	SDR Enterprises	Belly Dump	Jenni Fortunato	N/A
	Production Management Industries, LLC	1/14/2022	LFS0906089	97254	N/A	Wilder Pipeline Manifold Release, N/A	106	6265	6265	Contaminated Soil	18	18	341.82	SDR Enterprises	Belly Dumps	Jenni Fortunato	N/A
	Production Management Industries, LLC	1/14/2022	LFS0906090	97249	N/A	Wilder Pipeline Manifold Release, N/A	112	N/A	N/A	Contaminated Soil	18	18	341.82	SDR Enterprises	Belly Dumps	Jenni Fortunato	N/A
	Production Management Industries, LLC	1/14/2022	LFS0906077	97241	N/A	Wilder Pipeline Manifold Release, N/A	108	9084	9084	Contaminated Soil	18	18	341.82	SDR Enterprises	Belly Dump	Jenni Fortunato	N/A
	Production Management Industries, LLC	1/14/2022	LFS0906080	97244	N/A	Wilder Pipeline Manifold Release, N/A	110	5687	5687	Contaminated Soil	18	18	341.82	SDR Enterprises	Belly Dump	Jenni Fortunato	N/A
	Production Management Industries, LLC	1/14/2022	LFS0906082	97247	N/A	Wilder Pipeline Manifold Release, N/A	113	6046	6046	Contaminated Soil	18	20	379.80	SDR Enterprises	End Dump	Jenni Fortunato	N/A
	Production Management Industries, LLC	1/14/2022	LFS0906083	97246	N/A	Wilder Pipeline Manifold Release, N/A	112	8266	8266	Contaminated Soil	18	18	341.82	SDR Enterprises	End Dump	Jenni Fortunato	N/A
	Production Management Industries, LLC	1/14/2022	LFS0906088	97264	N/A	Wilder Pipeline Manifold Release, N/A	118	N/A	N/A	Contaminated Soil	18	18	341.82	SDR Enterprises	Belly Dump	Jenni Fortunato	N/A
	Production Management Industries, LLC	1/14/2022	LFS0906091	97265	N/A	Wilder Pipeline Manifold Release, N/A	119	N/A	N/A	Contaminated Soil	18	18	341.82	SDR Enterprises	Belly Dump	Jenni Fortunato	N/A
	Production Management Industries, LLC	1/14/2022	LFS0906093	97263	N/A	Wilder Pipeline Manifold Release, N/A	117	8055	8055	Contaminated Soil	18	18	341.82	SDR Enterprises	Belly Dumps	Jenni Fortunato	N/A
	Production Management Industries, LLC	1/14/2022	LFS0906111	97272	N/A	Wilder Pipeline Manifold Release, N/A	123	6046	6046	Contaminated Soil	18	20	379.80	SDR Enterprises, LLC	End Dump	Jenni Fortunato	N/A
	Production Management Industries, LLC	1/14/2022	LFS0906095	97259	N/A	Wilder Pipeline Manifold Release, N/A	116	8057	8057	Contaminated Soil	18	18	341.82	SDR Enterprises, LL	Belly Dumps	Jenni Fortunato	N/A
	Production Management Industries, LLC	1/14/2022	LFS0906107	97268	N/A	Wilder Pipeline Manifold Release, N/A	121	9005	9005	Contaminated Soil	18	18	341.82	SDR Enterprises, LLC	Belly Dumps	Jenni Fortunato	N/A
	Production Management Industries, LLC	1/14/2022	LFS0906106	97267	N/A	Wilder Pipeline Manifold Release, N/A	120	5688	5688	Contaminated Soil	18	18	341.82	SDR Enterprises	Belly Dumps	Jenni Fortunato	N/A
	Production Management Industries, LLC	1/14/2022	LFS0906116	97278	N/A	Wilder Pipeline Manifold Release, N/A	124	6267	6267	Contaminated Soil	18	18	341.82	SDR Enterprise, LLC	Belly Dumps	Jenni Fortunato	N/A
	Production Management Industries, LLC	1/14/2022	LFS0906110	97271	N/A	Wilder Pipeline Manifold Release, N/A	122	8266	8266	Contaminated Soil	18	18	341.82	SDR Enterprises, LLC	End Dump	Jenni Fortunato	N/A
	Production Management Industries, LLC	1/14/2022	LFS0906129	97291	N/A	Wilder Pipeline Manifold Release, N/A	125	8058	8058	Contaminated Soil	18	18	341.82	SDR Enterprises, LLC	Belly Dumps	Jenni Fortunato	N/A
	Production Management Industries, LLC	1/14/2022	LFS0906129	97291	N/A	Wilder Pipeline Manifold Release, N/A	129	5689	5689	Contaminated Soil	18	18	341.82	SDR Enterprises, LLC	Belly Dumps	Jenni9 Fortunato	N/A
	Production Management Industries, LLC	1/14/2022	LFS0906125	97287	N/A	Wilder Pipeline Manifold Release, N/A	126	9086	9086	Contaminated Soil	18	18	341.82	SDR Enterprises, LLC	Belly Dumps	Jenni Fortunato	N/A
	Production Management Industries, LLC	1/14/2022	LFS0906127	97289	N/A	Wilder Pipeline Manifold Release, N/A	127	N/A	N/A	Contaminated Soil	18	18	341.82	SDR Enterprises, LLC	Belly Dumps	Jenni Fortunato	N/A
	Production Management Industries, LLC	1/14/2022	LFS0906139	97294	N/A	Wilder Pipeline Manifold Release, N/A	N/A	9005	N/A	Contaminated Soil	18	18	341.82	SDR Enterprises, LLC	Belly Dumps	Jenni Fortunato	N/A
	Production Management Industries, LLC	1/14/2022	LFS0906136	97292	N/A	Wilder Pipeline Manifold Release, N/A	128	N/A	N/A	Contaminated Soil	18	18	341.82	SDR Enterprises	Belly Dumps	Jenni Fortunato	N/A
	Production Management Industries, LLC	1/14/2022	LFS0906141	97296	N/A	Wilder Pipeline Manifold Release, N/A	132	6046	6046	Contaminated Soil	18	20	379.80	SDR Enterprises	Belly Dumps	Jenni Fortunato/ Devin Dominguez	N/A
	Production Management Industries, LLC	1/14/2022	LFS0906150	97307	N/A	Wilder Pipeline Manifold Release, N/A	133	6268	6268	Contaminated Soil	18	18	341.82	SDR Enterprises	Belly Dumps	Jenni Fortunato/ Devin Dominguez	N/A
	Production Management Industries, LLC	1/14/2022	LFS0906150	97310	N/A	Wilder Pipeline Manifold Release, N/A	130	6268	6268	Contaminated Soil	18	18	341.82	SDR Enterprises	Belly Dumps	Jenni Fortunato	N/A
	Production Management Industries, LLC	16/2/2022	LFS0906504	97686	N/A	Wilder Pipeline Manifold Release, N/A	135	N/A	N/A	Contaminated Soil	18	18	341.82	SDR	Belly Dumps	Devin Dominguez	N/A
	Production Management Industries, LLC	16/2/2022	LFS0906506	97688	N/A	Wilder Pipeline Manifold Release, N/A	134	N/A	N/A	Contaminated Soil	18	18	341.82	SDR Enterprises	Belly Dumps	Devin Dominguez	N/A
	Production Management Industries, LLC	16/2/2022	LFS0906513	97689	N/A	Wilder Pipeline Manifold Release, N/A	136	9006	9006	Contaminated Soil	18	18	341.82	SDR	Belly Dumps	Devin D	N/A
	Production Management Industries, LLC	16/2/2022	LFS0906515	97690	N/A	Wilder Pipeline Manifold Release, N/A	137	6048	6048	Contaminated Soil	18	20	379.80	SDR Enterprises	End Dump	Devin Dominguez	N/A
	Production Management Industries, LLC	16/2/2022	LFS0906530	97693	N/A	Wilder Pipeline Manifold Release, N/A	138	9090	9090	Contaminated Soil	18	18	341.82	SDR Enterprises, LLC	Belly Dumps	Devin Dominguez	N/A
	Production Management Industries, LLC	16/2/2022	LFS0906533	97713	N/A	Wilder Pipeline Manifold Release, N/A	139	N/A	N/A	Contaminated Soil	18	18	341.82	SDR Enterprises	Belly Dumps	Devin Dominguez	N/A
	Production Management Industries, LLC	16/2/2022	LFS0906553	97731	N/A	Wilder Pipeline Manifold Release, N/A	143	9091	9091	Contaminated Soil	18	18	341.82	SDR	Belly Dumps	Jenni Firtunato	N/A
	Production Management Industries, LLC	16/2/2022	LFS0906556	97721	N/A	Wilder Pipeline Manifold Release, N/A	141	9006	9006	Contaminated Soil	18	18	341.82	SDR	Belly Dumps	Devin Dominguez	N/A
	Production Management Industries, LLC	16/2/2022	LFS0906558	97719	N/A	Wilder Pipeline Manifold Release, N/A	140	N/A	N/A	Contaminated Soil	18	18	341.82	SDR Enterprises	Belly Dumps	Devin Dominguez	N/A
	Production Management Industries, LLC	16/2/2022	LFS0906561	97722	N/A	Wilder Pipeline Manifold Release, N/A	142	6048	6048	Contaminated Soil	18	20	379.80	SDR Enterprises	Belly Dumps	Devin Dominguez	N/A
	Production Management Industries, LLC	16/2/2022	LFS0906574	97756	N/A	Wilder Pipeline Manifold Release, N/A	146	9006	9006	Contaminated Soil	18	18	341.82	SDR	Belly Dumps	Devin Dominguez	N/A
	Production Management Industries, LLC	16/2/2022	LFS0906576	97750	N/A	Wilder Pipeline Manifold Release, N/A	145	N/A	N/A	Contaminated Soil	18	18	341.82	SDR	Belly Dumps	Jenni Fortunato	N/A
	Production Management Industries, LLC	16/2/2022	LFS0906577	97749	N/A	Wilder Pipeline Manifold Release, N/A	144	6048	6048	Contaminated Soil	18	18	379.80	SDR Enterprises	End Dump	Devin Dominguez	N/A
	Production Management Industries, LLC	16/2/2022	LFS0906577	97749	N/A	Wilder Pipeline Manifold Release, N/A	144	N/A	N/A	Contaminated Soil	18	18	341.82	SDR	Belly Dumps	Devin Dominguez	N/A
	Production Management Industries, LLC	16/2/2022	LFS0906601	97758	N/A	Wilder Pipeline Manifold Release, N/A	147	6048	6048	Contaminated Soil	20	20	379.80	SDR	End Dump	Devin Dominguez	N/A
	Production Management Industries, LLC	16/2/2022	LFS0906604	97767	N/A	Wilder Pipeline Manifold Release, N/A	148	9092	9092	Contaminated Soil	18	18	341.82	SDR Enterprises, LLC	Belly Dumps	Devin Dominguez	N/A
	Production Management Industries, LLC	16/2/2022	LFS0906615	97782	N/A	Wilder Pipeline Manifold Release, N/A	151	9006	9006	Contaminated Soil	18	18	341.82	SDR Enterprises, LLC	Belly Dumps	Devin Dominguez/Jenni Fortunato	N/A
	Production Management Industries, LLC	16/2/2022	LFS0906613	97778	N/A	Wilder Pipeline Manifold Release, N/A	150	N/A	N/A	Contaminated Soil	18	18	341.82	SDR Enterprises	Belly Dumps	Devin Dominguez	N/A
	Production Management Industries, LLC	16/2/2022	LFS0906612	97777	N/A	Wilder Pipeline Manifold Release, N/A	149	N/A	N/A	Contaminated Soil	20	20	379.80	SDR Enterprises	Belly Dumps	Devin Dominguez	N/A
	Production Management Industries, LLC	17/2/2022	LFS0906707	97942	N/A	Wilder Pipeline Manifold Release, N/A	158	6049	6049	Contaminated Soil	18	18	341.82	SDR	Belly Dumps	Devin Dominguez	N/A
	Production Management Industries, LLC	17/2/2022	LFS0906707	97936	N/A	Wilder Pipeline Manifold Release, N/A	155	6049	6049	Contaminated Soil	18	20	379.80	SDR	End Dump	Devin Dominguez	N/A
	Production Management Industries, LLC	17/2/2022	LFS0906676	97944	N/A	Wilder Pipeline Manifold Release, N/A	159	6270	6270	Contaminated Soil	18	18	341.82	SDR	Belly Dumps	Devin Dominguez	N/A
	Production Management Industries, LLC	17/2/2022	LFS0906680	97941	N/A	Wilder Pipeline Manifold Release, N/A	157	9093	9093	Contaminated Soil	18	18	341.82	SDR Enterprises	Belly Dumps	Devin Dominguez	N/A
	Production Management Industries, LLC	17/2/2022	LFS0906681	97937	N/A	Wilder Pipeline Manifold Release, N/A	156	N/A	N/A	Contaminated Soil	18	18	341.82	SDR Enterprises	Belly Dumps	Devin Dominguez	N/A
	Production Management Industries, LLC	17/2/2022	LFS0906683	97934	N/A	Wilder Pipeline Manifold Release, N/A	154	N/A	N/A	Contaminated Soil	20	20	379.80	SDR Enterprises	Belly Dumps	Devin Dominguez	N/A
	Production Management Industries, LLC	17/2/2022	LFS0906697	97960	N/A	Wilder Pipeline Manifold Release, N/A	160	N/A	N/A	Contaminated Soil	20	20	379.80	SDR Enterprises	Belly Dumps	Devin Dominguez	N/A
	Production Management Industries, LLC	17/2/2022	LFS0906701	97961	N/A	Wilder Pipeline Manifold Release, N/A	161	6049	6049	Contaminated Soil	18	18	379.80	SDR Enterprises	End Dump	Devin Dominguez	N/A
	Production Management Industries, LLC	17/2/2022	LFS0906711	97963	N/A	Wilder Pipeline Manifold Release, N/A	162	N/A	N/A	Contaminated Soil	18	18	341.82	SDR	Belly Dumps	Devin Dominguez	N/A
	Production Management Industries, LLC	17/2/2022	LFS0906730	97972	N/A	Wilder Pipeline Manifold Release, N/A	N/A	6271	6271	Contaminated Soil	18	18	341.82	SDR	Belly Dumps	Devin Dominguez	N/A
	Production Management Industries, LLC	17/2/2022	LFS0906756	97986	N/A	Wilder Pipeline Manifold Release, N/A	168	N/A	N/A	Contaminated Soil	18	18	341.82	SDR	Belly Dumps	Devin Dominguez	N/A
	Production Management Industries, LLC	17/2/2022	LFS0906754	97981	N/A	Wilder Pipeline Manifold Release, N/A	167	6049	6049	Contaminated Soil	18	20	379.80	SDR Enterprises	Belly Dumps	Devin Dominguez	N/A
	Production Management Industries, LLC	17/2/2022	LFS0906753	97980	N/A	Wilder Pipeline Manifold Release, N/A	166	N/A	N/A	Contaminated Soil	18	18	341.82	SDR	Belly Dumps	Devin Dominguez	N/A
	Production Management Industries, LLC	17/2/2022	LFS0906762	97993	N/A	Wilder Pipeline Manifold Release, N/A	170	9095	9095	Contaminated Soil	18	18	341.82	SDR	Belly Dumps	Devin Dominguez	N/A
	Production Management Industries, LLC	17/2/2022	LFS0906767	97989	N/A	Wilder Pipeline Manifold Release, N/A	169	9007	9007	Contaminated Soil	18	18	341.82	SDR	Belly Dumps	Devin Dominguez	N/A
	Production Management Industries, LLC	17/2/2022	LFS0907700	97966	N/A	Wilder Pipeline Manifold Release, N/A	173	6049	6049	Contaminated Soil	18	18	341.82	SDR Enterprises, LLC	Belly Dumps	Devin Dominguez	N/A
	Production Management Industries, LLC	17/2/2022	LFS0907708	97968	N/A	Wilder Pipeline Manifold Release, N/A	164	9094	9094	Contaminated Soil	18	18	341.82	SDR Enterprises, LLC	Belly Dumps	Devin Dominguez	N/A
	Production Management Industries, LLC	11/02/2022	LFS0907240	98478	N/A	Wilder Pipeline Manifold Release, N/A	183	5265	5265	Contaminated Soil	18	20	379.80	SDR Enterprises	Belly Dump	Devin Dominguez	N/A
	Production Management Industries, LLC	11/02/2022	LFS0907278	98472	N/A	Wilder Pipeline Manifold Release, N/A	181	N/A	N/A	Contaminated Soil	18	18	341.82	SDR Enterprises	Belly Dump	Devin Dominguez	N/A
	Production Management Industries, LLC	11/02/2022	LFS0907294	98469	N/A	Wilder Pipeline Manifold Release, N/A	179	6050	6050	Contaminated Soil	18	20	379.80	SDR Enterprises	End Dump	Devin Dominguez	N/A

**OWL Landfill Services, LLC**

Northern Delaware Basin Landfill
8201 Preston Road
Suite 520
Dallas TX 75225

CONSOLIDATED INVOICE

CONSOLIDATED INVOICE #	INVOICE DATE	CURRENCY
CI_08493	2/8/2022	USA

Bill To:

Production Management Industries, LLC
PO BOX 2692
1204 Youngs Rd.
Morgan City
LA
70380
US

Ship To:

Production Management Industries, LLC
PO BOX 2692
1204 Youngs Rd.
Morgan City
LA
70380
US

Details

DATE	INVOICE	MANIFEST #	TRUCK TICKET #	ITEM	LEASE	WELL	QTY	RATE	TOTAL	TAX	AMOUNT
2/1/2022	LFS0101270	197	8395	Contaminated Soil	Wilder Release.	Pipeline Manifold N/A.	20	18.00	360.00	19.80	379.80
2/1/2022	LFS0101294	N/A	8960	Contaminated Soil	Wilder Release.	Pipeline Manifold N/A.	20	18.00	360.00	19.80	379.80
2/1/2022	LFS0101316	212	N/A	Contaminated Soil	Wilder Release.	Pipeline Manifold N/A.	18	18.00	324.00	17.82	341.82
2/1/2022	LFS0101335	N/A	7990	Contaminated Soil	Wilder Release.	Pipeline Manifold N/A.	18	18.00	324.00	17.82	341.82
2/1/2022	LFS0101345	N/A	N/A	Contaminated Soil	Wilder Release.	Pipeline Manifold N/A.	20	18.00	360.00	19.80	379.80
2/1/2022	LFS0101396	220	8962	Contaminated Soil	Wilder Release.	Pipeline Manifold N/A.	20	18.00	360.00	19.80	379.80
2/1/2022	LFS0101397	190	8958	Contaminated Soil	Wilder Release.	Pipeline Manifold N/A.	20	18.00	360.00	19.80	379.80
2/1/2022	LFS0101399	221	9113	Contaminated Soil	Wilder Release.	Pipeline Manifold N/A.	20	18.00	360.00	19.80	379.80
2/1/2022	LFS0101400	214	8397	Contaminated Soil	Wilder Release.	Pipeline Manifold N/A.	18	18.00	324.00	17.82	341.82
2/1/2022	LFS0101401	213	8961	Contaminated Soil	Wilder Release.	Pipeline Manifold N/A.	20	18.00	360.00	19.80	379.80
2/1/2022	LFS0101403	211	N/A	Contaminated Soil	Wilder Release.	Pipeline Manifold N/A.	20	18.00	360.00	19.80	379.80
2/1/2022	LFS0101405	210	N/A	Contaminated Soil	Wilder Release.	Pipeline Manifold N/A.	18	18.00	324.00	17.82	341.82
2/1/2022	LFS0101406	206	8396	Contaminated Soil	Wilder Release.	Pipeline Manifold N/A.	18	18.00	324.00	17.82	341.82
2/1/2022	LFS0101407	204	N/A	Contaminated Soil	Wilder Release.	Pipeline Manifold N/A.	18	18.00	324.00	17.82	341.82
2/1/2022	LFS0101410	203	N/A	Contaminated Soil	Wilder Release.	Pipeline Manifold N/A.	20	18.00	360.00	19.80	379.80
2/1/2022	LFS0101411	202	N/A	Contaminated Soil	Wilder Release.	Pipeline Manifold N/A.	18	18.00	324.00	17.82	341.82
2/1/2022	LFS0101412	201	9218	Contaminated Soil	Wilder Release.	Pipeline Manifold N/A.	18	18.00	324.00	17.82	341.82

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2/1/2022	LFS0101414	200	N/A	Contaminated Soil	Wilder Release.	Pipeline Manifold N/A.	18	18.00	324.00	17.82	341.82
2/1/2022	LFS0101415	199	7988	Contaminated Soil	Wilder Release.	Pipeline Manifold N/A.	18	18.00	324.00	17.82	341.82
2/1/2022	LFS0101416	198	9110	Contaminated Soil	Wilder Release.	Pipeline Manifold N/A.	18	18.00	324.00	17.82	341.82
2/1/2022	LFS0101417	192	N/A	Contaminated Soil	Wilder Release.	Pipeline Manifold N/A.	18	18.00	324.00	17.82	341.82
2/1/2022	LFS0101418	196	8959	Contaminated Soil	Wilder Release.	Pipeline Manifold N/A.	20	18.00	360.00	19.80	379.80
2/1/2022	LFS0101421	195	N/A	Contaminated Soil	Wilder Release.	Pipeline Manifold N/A.	18	18.00	324.00	17.82	341.82
2/1/2022	LFS0101422	197	8395	Contaminated Soil	Wilder Release.	Pipeline Manifold N/A.	20	18.00	360.00	19.80	379.80
2/1/2022	LFS0101424	194	N/A	Contaminated Soil	Wilder Release.	Pipeline Manifold N/A.	20	18.00	360.00	19.80	379.80
2/1/2022	LFS0101425	193	N/A	Contaminated Soil	Wilder Release.	Pipeline Manifold N/A.	18	18.00	324.00	17.82	341.82
2/1/2022	LFS0101426	N/A	8960	Contaminated Soil	Wilder Release.	Pipeline Manifold N/A.	20	18.00	360.00	19.80	379.80
2/1/2022	LFS0101428	191	9217	Contaminated Soil	Wilder Release.	Pipeline Manifold N/A.	18	18.00	324.00	17.82	341.82
2/1/2022	LFS0101429	187	7987	Contaminated Soil	Wilder Release.	Pipeline Manifold N/A.	18	18.00	324.00	17.82	341.82
2/1/2022	LFS0101430	N/A	7990	Contaminated Soil	Wilder Release.	Pipeline Manifold N/A.	18	18.00	324.00	17.82	341.82
2/1/2022	LFS0101433	189	9109	Contaminated Soil	Wilder Release.	Pipeline Manifold N/A.	18	18.00	324.00	17.82	341.82
2/1/2022	LFS0101434	212	N/A	Contaminated Soil	Wilder Release.	Pipeline Manifold N/A.	18	18.00	324.00	17.82	341.82
2/1/2022	LFS0101435	N/A	N/A	Contaminated Soil	Wilder Release.	Pipeline Manifold N/A.	20	18.00	360.00	19.80	379.80
2/1/2022	LFS0101437	N/A	186	Contaminated Soil	Wilder Release.	Pipeline Manifold N/A.	20	18.00	360.00	19.80	379.80
2/1/2022	LFS0101438	185	N/A	Contaminated Soil	Wilder Release.	Pipeline Manifold N/A.	20	18.00	360.00	19.80	379.80

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2/1/2022	LFS0101439	188	8394	Contaminated Soil	Wilder Release.	Pipeline Manifold N/A.	18	18.00	324.00	17.82	341.82
2/2/2022	LFS0101461	222	8399	Contaminated Soil	Wilder Release.	Pipeline Manifold N/A.	18	18.00	324.00	17.82	341.82
2/2/2022	LFS0101464	224	N/A	Contaminated Soil	Wilder Release.	Pipeline Manifold N/A.	18	18.00	324.00	17.82	341.82
2/2/2022	LFS0101472	223	9114	Contaminated Soil	Wilder Release.	Pipeline Manifold N/A.	18	18.00	324.00	17.82	341.82
2/2/2022	LFS0101476	226	N/A	Contaminated Soil	Wilder Release.	Pipeline Manifold N/A.	20	18.00	360.00	19.80	379.80
2/2/2022	LFS0101478	225	N/A	Contaminated Soil	Wilder Release.	Pipeline Manifold N/A.	18	18.00	324.00	17.82	341.82
2/1/2022	LFS0101507	208	7989	Contaminated Soil	Wilder Release.	Pipeline Manifold N/A.	18	18.00	324.00	17.82	341.82
2/1/2022	LFS0101508	209	9191	Contaminated Soil	Wilder Release.	Pipeline Manifold N/A.	18	18.00	324.00	17.82	341.82
2/1/2022	LFS0101510	215	9112	Contaminated Soil	Wilder Release.	Pipeline Manifold N/A.	18	18.00	324.00	17.82	341.82
2/1/2022	LFS0101511	217	9192	Contaminated Soil	Wilder Release.	Pipeline Manifold N/A.	18	18.00	324.00	17.82	341.82
2/1/2022	LFS0101513	207	9111	Contaminated Soil	Wilder Release.	Pipeline Manifold N/A.	18	18.00	324.00	17.82	341.82
2/2/2022	LFS0101514	227	8400	Contaminated Soil	Wilder Release.	Pipeline Manifold N/A.	18	18.00	324.00	17.82	341.82
2/2/2022	LFS0101515	228	N/A	Contaminated Soil	Wilder Release.	Pipeline Manifold N/A.	18	18.00	324.00	17.82	341.82
2/1/2022	LFS0101516	219	8398	Contaminated Soil	Wilder Release.	Pipeline Manifold N/A.	20	18.00	360.00	19.80	379.80
2/2/2022	LFS0101518	229	9115	Contaminated Soil	Wilder Release.	Pipeline Manifold N/A.	18	18.00	324.00	17.82	341.82
2/2/2022	LFS0101520	230	N/A	Contaminated Soil	Wilder Release.	Pipeline Manifold N/A.	20	18.00	360.00	19.80	379.80
2/2/2022	LFS0101521	231	N/A	Contaminated Soil	Wilder Release.	Pipeline Manifold N/A.	18	18.00	324.00	17.82	341.82
2/2/2022	LFS0101529	232	8927	Contaminated Soil	Wilder Release.	Pipeline Manifold N/A.	18	18.00	324.00	17.82	341.82

**OWL Landfill Services, LLC**

Northern Delaware Basin Landfill
8201 Preston Road
Suite 520
Dallas TX 75225

CONSOLIDATED INVOICE

CONSOLIDATED INVOICE #	INVOICE DATE	CURRENCY
CI_08493	2/8/2022	USA

Bill To:

Production Management Industries, LLC
PO BOX 2692
1204 Youngs Rd.
Morgan City
LA
70380
US

Ship To:

Production Management Industries, LLC
PO BOX 2692
1204 Youngs Rd.
Morgan City
LA
70380
US

DATE	INVOICE	MANIFEST #	TRUCK TICKET #	ITEM	LEASE	WELL	QTY	RATE	TOTAL	TAX	AMOUNT
2/2/2022	LFS0101531	233	N/A	Contaminated Soil	Wilder Release.	Pipeline Manifold N/A.	18	18.00	324.00	17.82	341.82
2/2/2022	LFS0101533	234	9116	Contaminated Soil	Wilder Release.	Pipeline Manifold N/A.	18	18.00	324.00	17.82	341.82
2/2/2022	LFS0101540	235	N/A	Contaminated Soil	Wilder Release.	Pipeline Manifold N/A.	20	18.00	360.00	19.80	379.80
2/2/2022	LFS0101542	236	N/A	Contaminated Soil	Wilder Release.	Pipeline Manifold N/A.	18	18.00	324.00	17.82	341.82
2/8/2022	LFS0102203	250	9120	Contaminated Soil	Wilder Release.	Pipeline Manifold N/A.	18	18.00	324.00	17.82	341.82
2/8/2022	LFS0102212	251	N/A	Contaminated Soil	Wilder Release.	Pipeline Manifold N/A.	18	18.00	324.00	17.82	341.82
2/8/2022	LFS0102218	252	N/A	Contaminated Soil	Wilder Release.	Pipeline Manifold N/A.	18	18.00	324.00	17.82	341.82
2/8/2022	LFS0102222	253	8926	Contaminated Soil	Wilder Release.	Pipeline Manifold N/A.	18	18.00	324.00	17.82	341.82
2/8/2022	LFS0102228	254	7991	Contaminated Soil	Wilder Release.	Pipeline Manifold N/A.	18	18.00	324.00	17.82	341.82
2/8/2022	LFS0102250	255	9121	Contaminated Soil	Wilder Release.	Pipeline Manifold N/A.	18	18.00	324.00	17.82	341.82
2/8/2022	LFS0102264	256	N/A	Contaminated Soil	Wilder Release.	Pipeline Manifold N/A.	18	18.00	324.00	17.82	341.82
2/8/2022	LFS0102270	257	N/A	Contaminated Soil	Wilder Release.	Pipeline Manifold N/A.	18	18.00	324.00	17.82	341.82
2/8/2022	LFS0102271	258	7881	Contaminated Soil	Wilder Release.	Pipeline Manifold N/A.	18	18.00	324.00	17.82	341.82
2/8/2022	LFS0102276	259	8929	Contaminated Soil	Wilder Release.	Pipeline Manifold N/A.	18	18.00	324.00	17.82	341.82
2/8/2022	LFS0102287	260	7992	Contaminated Soil	Wilder Release.	Pipeline Manifold N/A.	18	18.00	324.00	17.82	341.82
2/8/2022	LFS0102314	261	9122	Contaminated Soil	Wilder Release.	Pipeline Manifold N/A.	18	18.00	324.00	17.82	341.82
2/8/2022	LFS0102320	262	N/A	Contaminated Soil	Wilder Release.	Pipeline Manifold N/A.	18	18.00	324.00	17.82	341.82
2/8/2022	LFS0102327	263	N/A	Contaminated Soil	Wilder Release.	Pipeline Manifold N/A.	18	18.00	324.00	17.82	341.82

**OWL Landfill Services, LLC**

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PO BOX 2692
1204 Youngs Rd.
Morgan City
LA
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US

DATE	INVOICE	MANIFEST #	TRUCK TICKET #	ITEM	LEASE	WELL	QTY	RATE	TOTAL	TAX	AMOUNT	
2/8/2022	LFS0102345	264	7882	Contaminated Soil	Wilder Release.	Pipeline Manifold N/A.	18	18.00	324.00	17.82	341.82	
2/8/2022	LFS0102347	265	8930	Contaminated Soil	Wilder Release.	Pipeline Manifold N/A.	18	18.00	324.00	17.82	341.82	
2/8/2022	LFS0102363	266	9123	Contaminated Soil	Wilder Release.	Pipeline Manifold N/A.	18	18.00	324.00	17.82	341.82	
2/7/2022	LFS0102451	N/A	N/A	Contaminated Soil	Wilder Release.	Pipeline Manifold N/A.	18	18.00	324.00	17.82	341.82	
2/7/2022	LFS0102457	240	N/A	Contaminated Soil	Wilder Release.	Pipeline Manifold N/A.	18	18.00	324.00	17.82	341.82	
2/7/2022	LFS0102462	246	N/A	Contaminated Soil	Wilder Release.	Pipeline Manifold N/A.	18	18.00	324.00	17.82	341.82	
2/7/2022	LFS0102471	237	N/A	Contaminated Soil	Wilder Release.	Pipeline Manifold N/A.	18	18.00	324.00	17.82	341.82	
2/7/2022	LFS0102593	239	N/A	Contaminated Soil	Wilder Release.	Pipeline Manifold N/A.	18	18.00	324.00	17.82	341.82	
2/7/2022	LFS0102620	N/A	8928	Contaminated Soil	Wilder Release.	Pipeline Manifold N/A.	18	18.00	324.00	17.82	341.82	
2/7/2022	LFS0102734			Contaminated Soil	Wilder Release.	Pipeline Manifold N/A.	18	18.00	324.00	17.82	341.82	
2/7/2022	LFS0102860	247	9119	Contaminated Soil	Wilder Release.	Pipeline Manifold N/A.	18	18.00	324.00	17.82	341.82	
2/7/2022	LFS0102935	243	N/A	Contaminated Soil	Wilder Release.	Pipeline Manifold N/A.	20	18.00	360.00	19.80	379.80	
									SUB TOTAL	27,648.00		
									TAX	1,520.64		
									TOTAL	\$29,168.64		
									AMOUNT PAID	0.00		
									TOTAL DUE	\$29,168.64		
CI_08493			UOM	Qty		Rate		Amount				
Contaminated Soil Total:			NA	1536		\$18.00		\$27,648.00				
NM - Lea County Total:			Taxes	83		\$18.32		\$1,520.64				
Total:											\$29,168.64	

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

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

CONDITIONS

Action 87226

CONDITIONS

Operator: CONOCOPHILLIPS COMPANY 600 W. Illinois Avenue Midland, TX 79701	OGRID: 217817
	Action Number: 87226
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
chensley	Closure approved.	3/21/2022