

Incident ID	nAPP2109649049
District RP	
Facility ID	
Application ID	

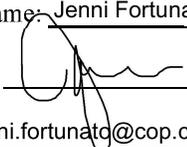
Closure

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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March 4, 2022

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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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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.

REMEDIATION 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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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.

REMEDIATION 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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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

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

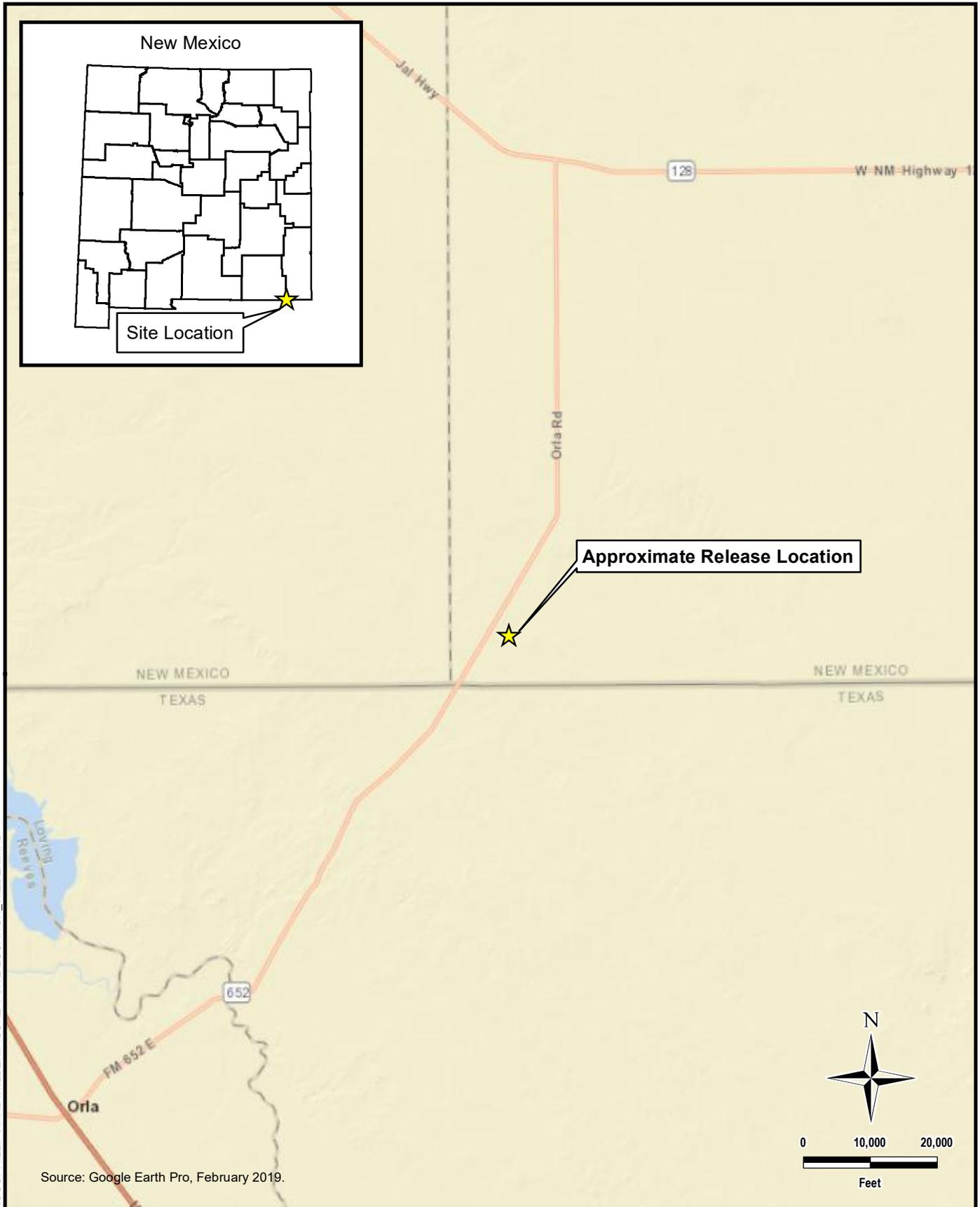
Tables:

- 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 1 SITE LOCATION - WILDER.MXD



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nAPP2109649049
 (32.020660°, -103.694372°)
 LEA COUNTY, NEW MEXICO

**WILDER PIPELINE MANIFOLD RELEASE
 SITE LOCATION MAP**

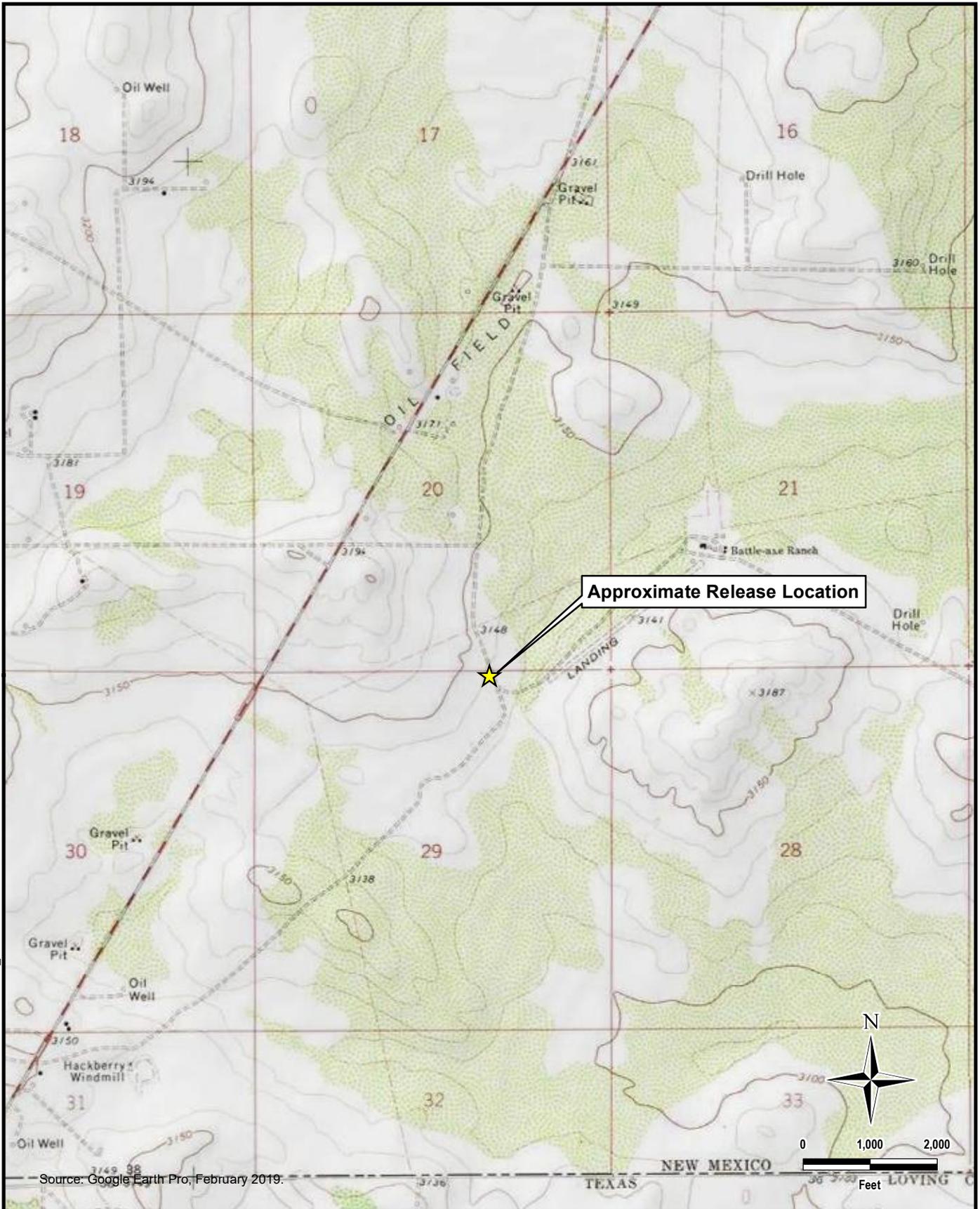
PROJECT NO.: 212C-MD-02383

DATE: JANUARY 12, 2021

DESIGNED BY: AJW

Figure No.

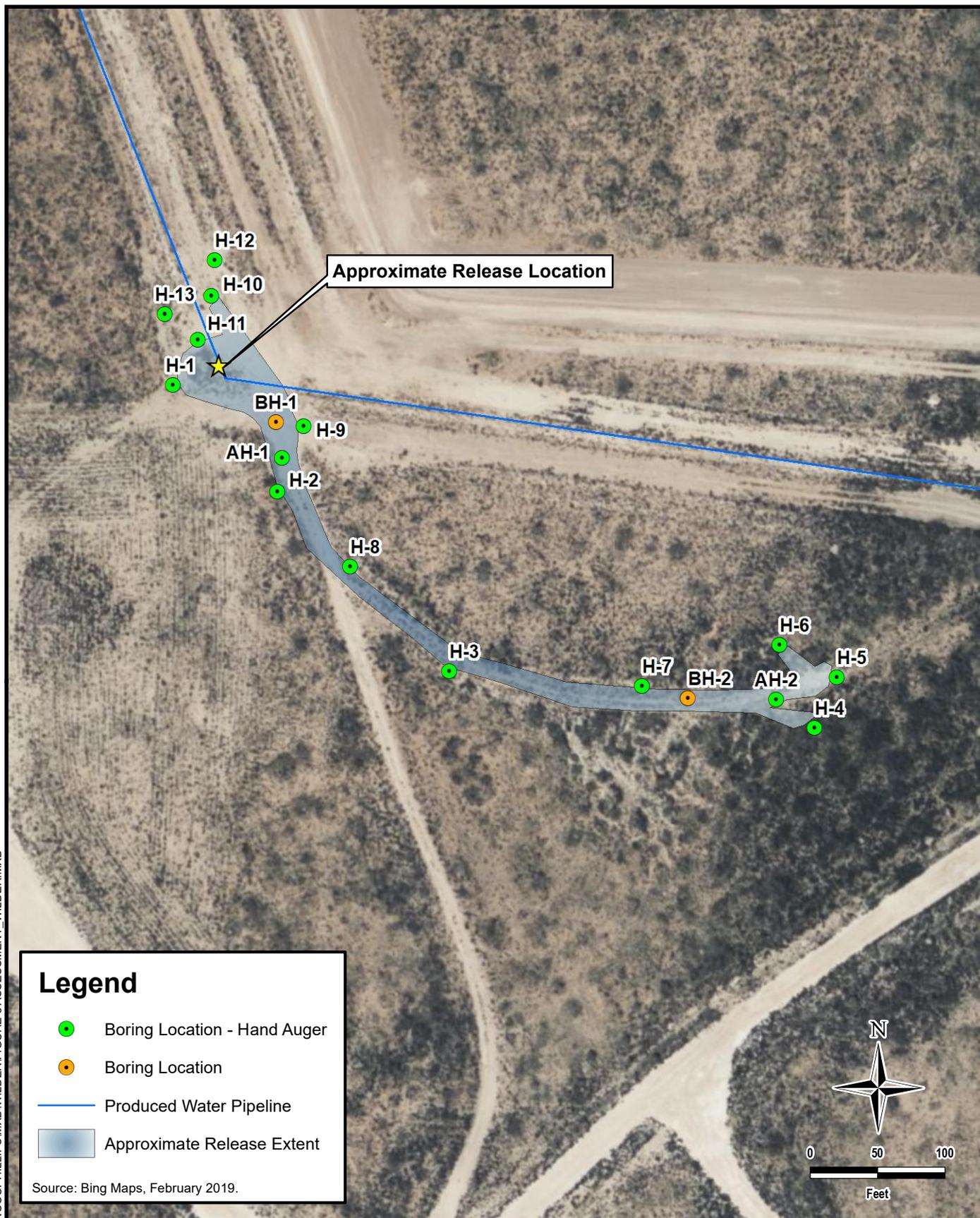
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Source: Google Earth Pro, February 2019.

DOCUMENT PATH: D:\CONOCOPHILLIPS\MXD\WILDER\FIGURE 2 TOPO_WILDER.MXD

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	<p>WILDER PIPELINE MANIFOLD RELEASE TOPOGRAPHIC MAP</p>	<p>DATE: JANUARY 12, 2021</p> <p>DESIGNED BY: AJW</p>
		<p>Figure No. 2</p>



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nAPP2109649049

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

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

PROJECT NO.: 212C-MD-02383

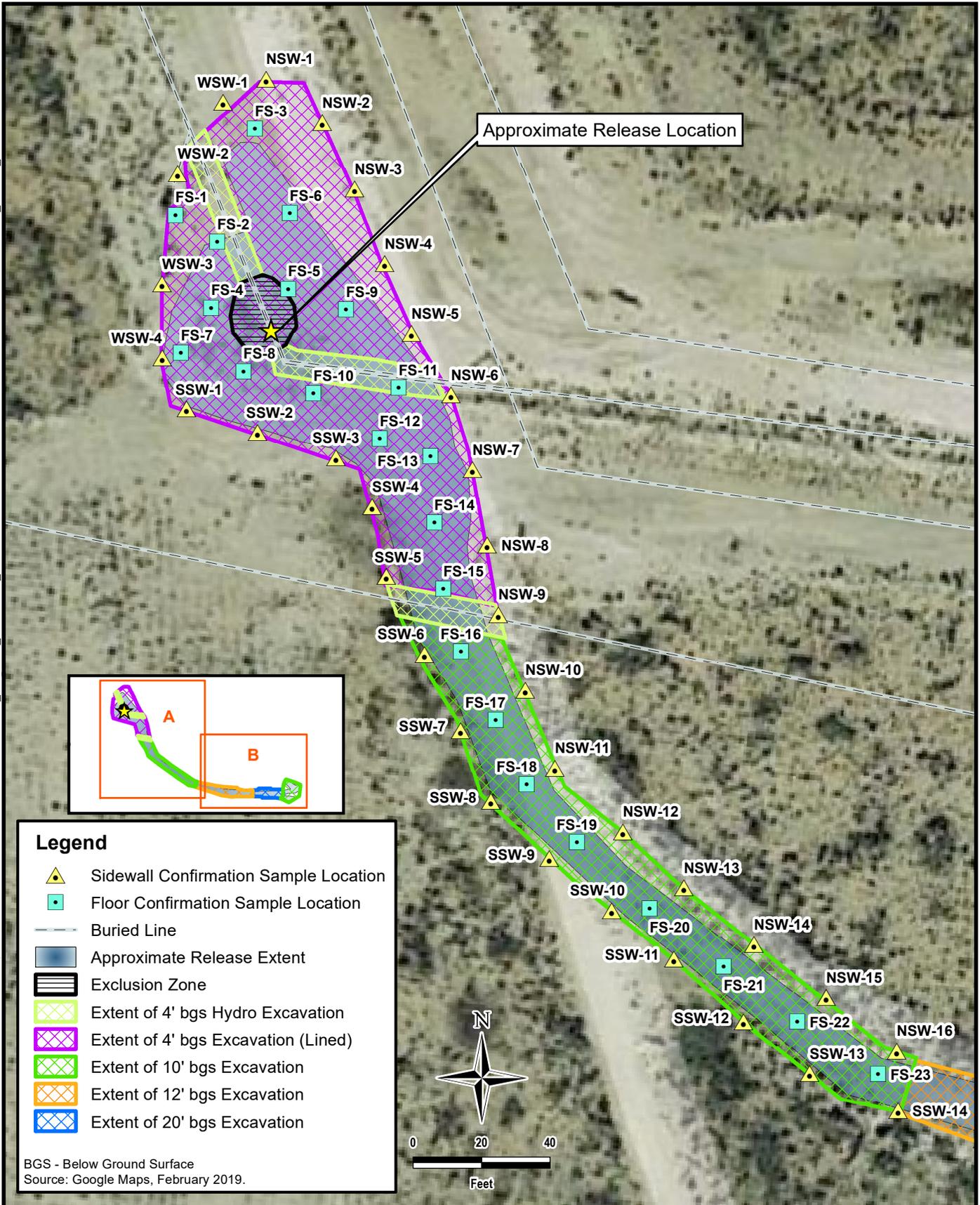
DATE: MARCH 02, 2021

DESIGNED BY: AJW

Figure No.

3

DOCUMENT PATH: C:\USERS\ISSA.VILLAMINON\DRIVE - TETRA TECH\INC\DOCUMENTS\11111\CORP\WILDER\PIPELINE MANIFOLD RELEASE\FIGURE 4A REMEDIATION EXTENTS AND CONFIRMATION SAMPLE LOCATIONS - NORTH - WILDER PIPELINE MANIFOLD.MXD



Legend

- Sidewall Confirmation Sample Location
- Floor Confirmation Sample Location
- Buried Line
- Approximate Release Extent
- Exclusion Zone
- Extent of 4' bgs Hydro Excavation
- Extent of 4' bgs Excavation (Lined)
- Extent of 10' bgs Excavation
- Extent of 12' bgs Excavation
- Extent of 20' bgs Excavation

BGS - Below Ground Surface
Source: Google Maps, February 2019.

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

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

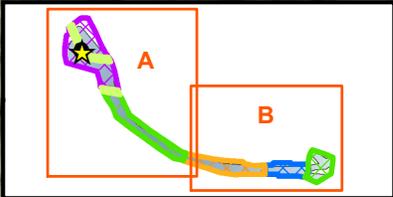
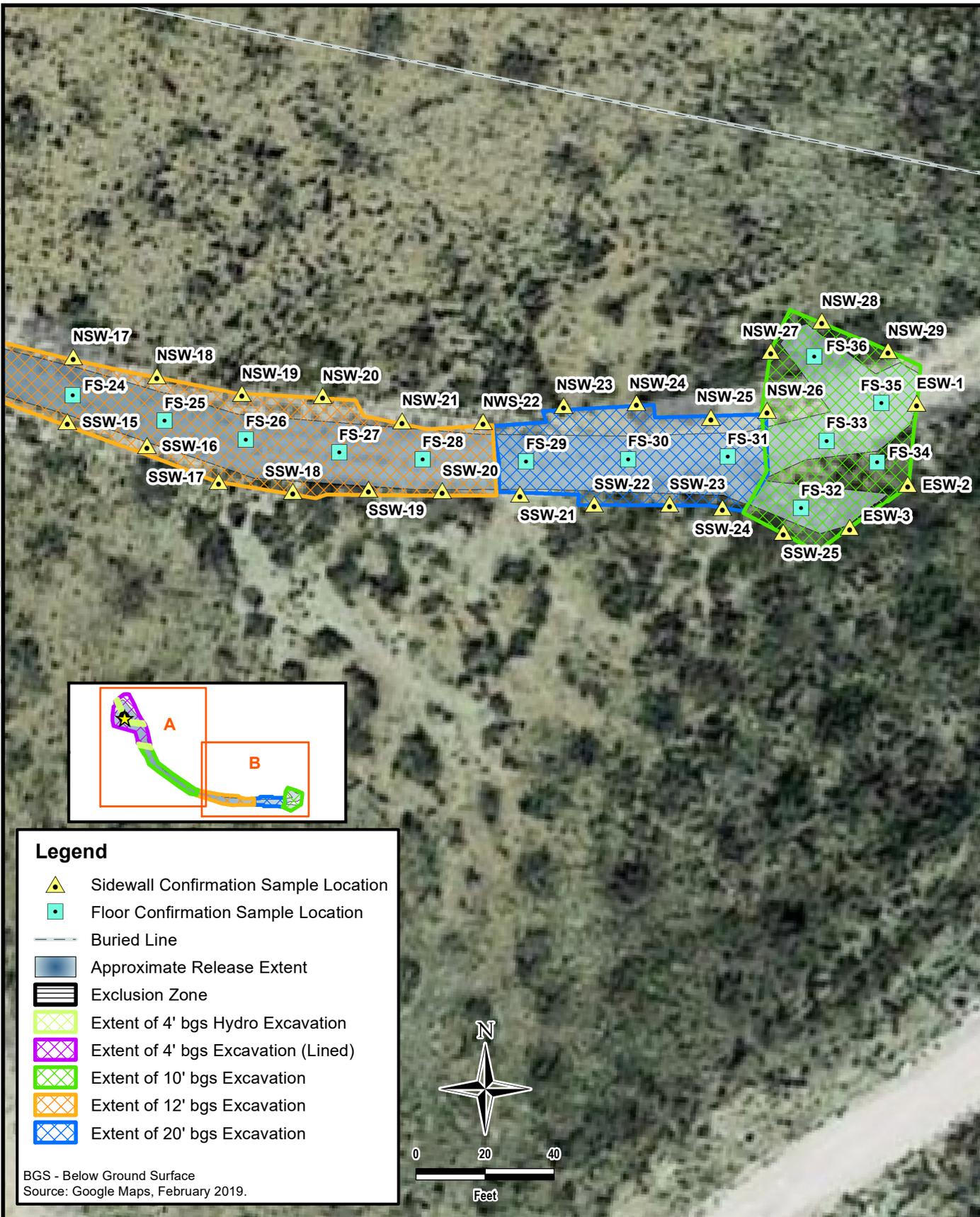
PROJECT NO.: 212C-MD-02383

DATE: MARCH 01, 2022

DESIGNED BY: LMV

Figure No.
4A

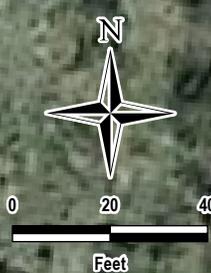
DOCUMENT PATH: C:\USERS\ISSA.VILLAMINONEDRIVE - TETRA TECH\INCDOCUMENTS\111111\CORP\WILDER PIPELINE MANIFOLD RELEASE\FIGURE 4B REMEDIATION EXTENTS AND CONFIRMATION SOUTH - WILDER PIPELINE MANIFOLD.MXD



Legend

- Sidewall Confirmation Sample Location
- Floor Confirmation Sample Location
- Buried Line
- Approximate Release Extent
- Exclusion Zone
- Extent of 4' bgs Excavation (Lined)
- Extent of 10' bgs Excavation
- Extent of 12' bgs Excavation
- Extent of 20' bgs Excavation

BGS - Below Ground Surface
Source: Google Maps, February 2019.



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	<p>WILDER PIPELINE MANIFOLD RELEASE REMEDICATION EXTENTS AND CONFIRMATION SAMPLE LOCATIONS - SOUTH</p>	
		<p>Figure No. 4B</p>

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											
			Chloride	PID	mg/kg	Q	Benzene		Toluene		Ethylbenzene		Total Xylenes		Total BTEX		GRO ⁴		DRO		ORO		Total TPH (GRO+DRO+ORO)	
							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
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 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 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)
			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	
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	J	0.00122		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 ft. bgs	Field Screening Results		Chloride ¹		BTEX ²										TPH ³						
			Chloride	PID	mg/kg	Q	Benzene		Toluene		Ethylbenzene		Total Xylenes		Total BTEX		GRO C ₆ - C ₁₀		DRO > C ₁₀ - C ₂₈		EXT DRO > C ₂₈ - C ₃₆		Total TPH (GRO+DRO+EXT DRO)
							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
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						
			Chloride	PID			Benzene		Toluene		Ethylbenzene		Total Xylenes		Total BTEX		GRO		DRO		EXT DRO		Total TPH
			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
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 SM4500CI-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

Page 2

Incident ID	nAPP2109649049
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release? 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 99</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			

Incident ID	nAPP2109649049
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

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

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

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

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

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

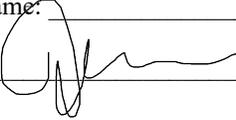
State of New Mexico
Oil Conservation Division

Page 4

Incident ID	
District RP	
Facility ID	
Application ID	

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

Printed Name: _____ Title: _____

Signature:  _____ Date: _____

email: _____ Telephone: _____

OCD Only

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

Incident ID	nAPP2109649049
District RP	
Facility ID	
Application ID	

Remediation Plan

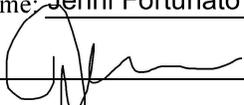
Remediation Plan Checklist: Each of the following items must be included in the plan.

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

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

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

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

Printed Name: Jenni Fortunato Title: Program Manager, Remediation
 Signature:  Date: 7/13/2021
 email: jenni.fortunato@cop.com Telephone: 832-486-2477

OCD Only

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

- Approved Approved with Attached Conditions of Approval Denied Deferral Approved

Signature:  Date: 08/18/2021

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

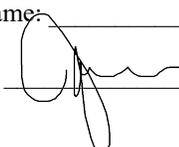
Closure

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

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

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

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

Printed Name: _____ 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

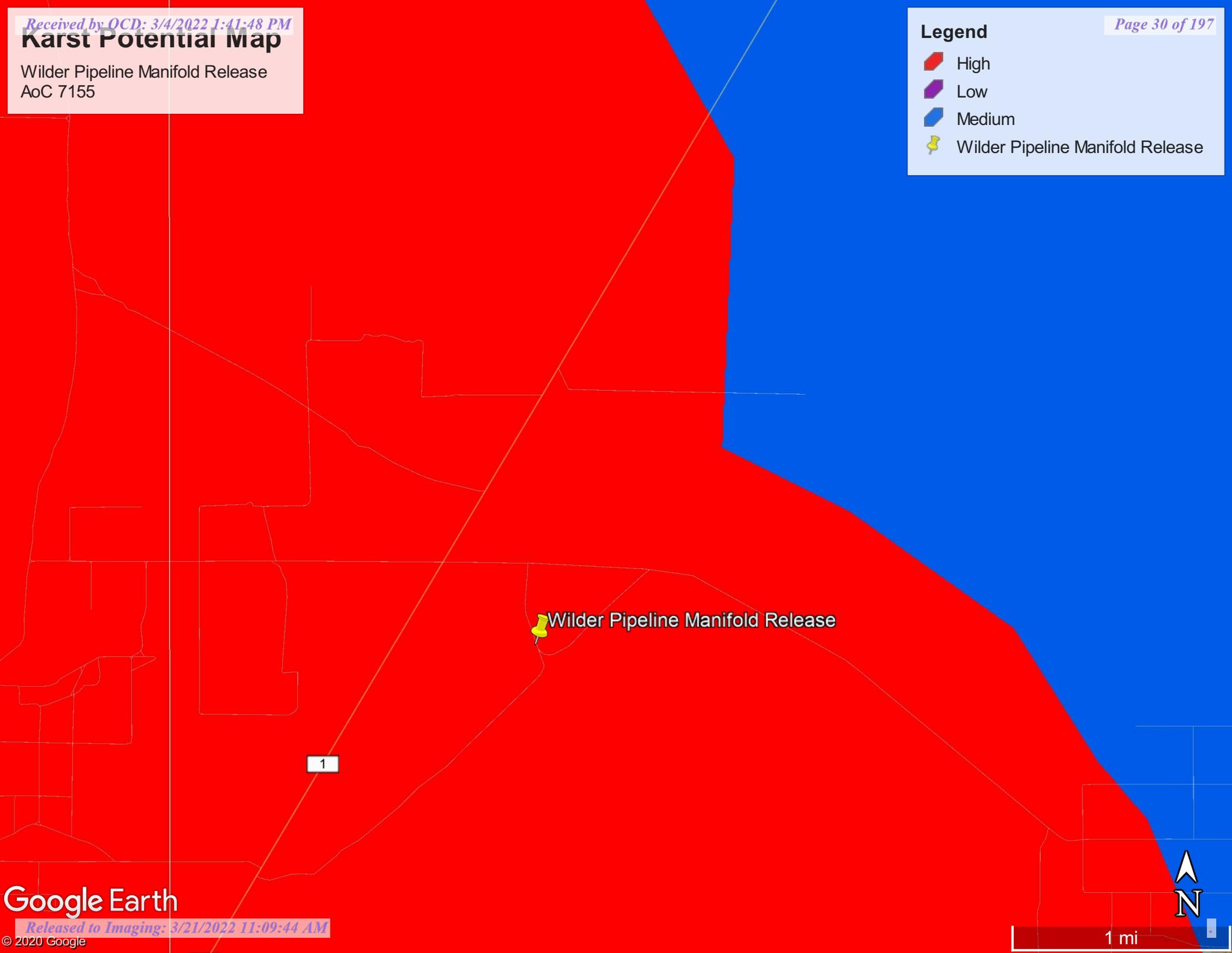
The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

Karst Potential Map

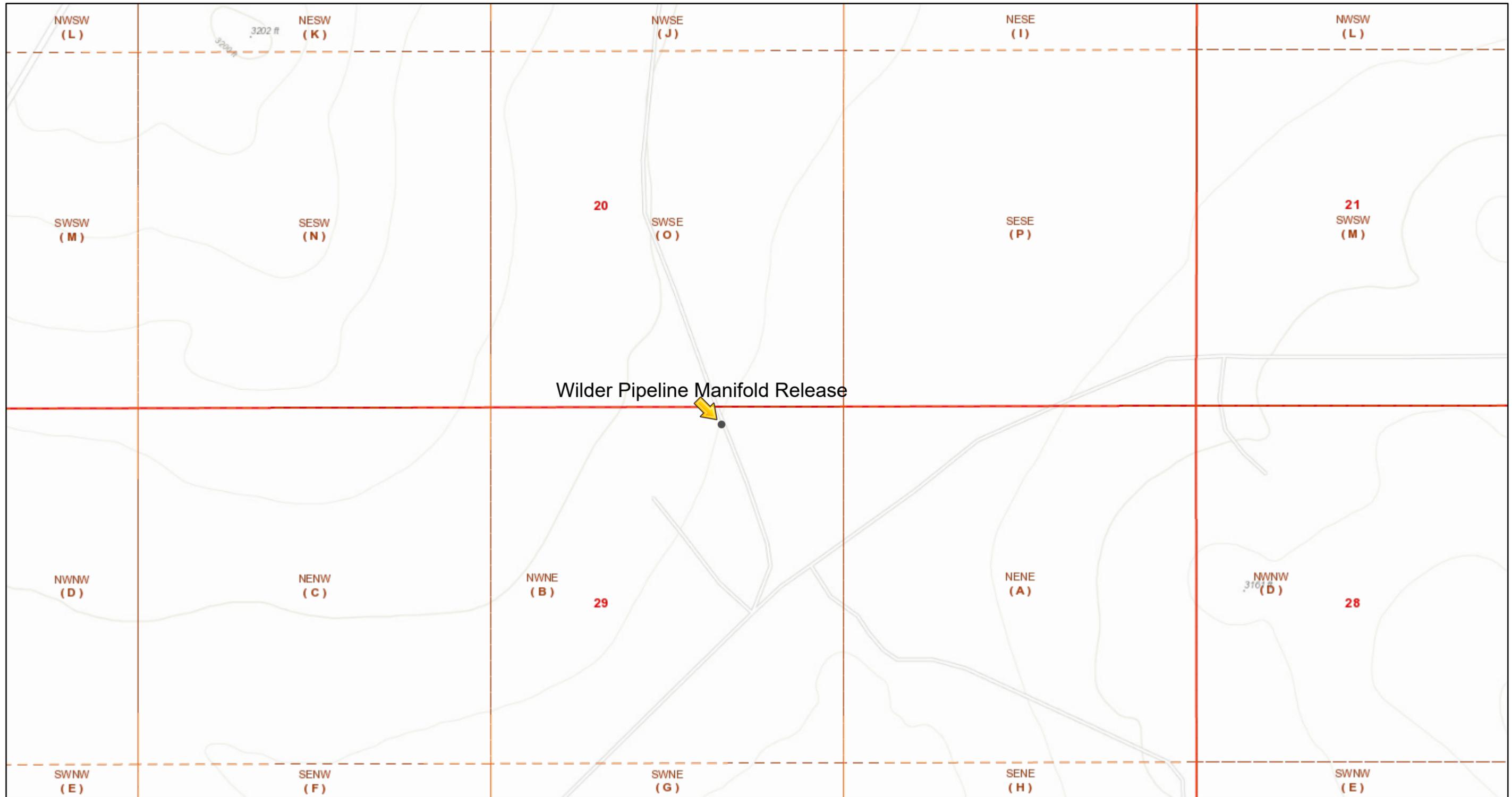
Wilder Pipeline Manifold Release
AoC 7155

Legend

-  High
-  Low
-  Medium
-  Wilder Pipeline Manifold Release

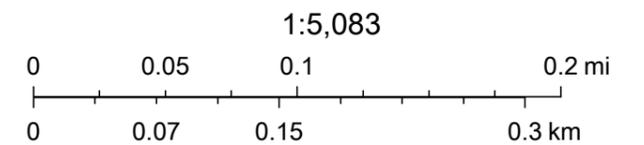


Wilder Pipeline Manifold Release



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

-  Override 1
-  PLSS Second Division
-  PLJV Probable Plays
-  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 contaminates 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 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

Tetra Tech | *Leading with Science*® | OGA

8911 N. Capital of Texas Highway | Bldg. 2, Suite 2310 | Austin, TX 78759 | 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)

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

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](tel:+15123382861) | Business [+1 \(512\) 338-1667](tel:+15123381667) | Fax [+1\(512\) 338-1331](tel:+15123381331) | 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@tetratech.com

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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: Lull, Christian <Christian.Lull@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: Lull, Christian <Christian.Lull@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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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 style with a large, flowing "C" at the beginning.

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)

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) 95.4 % 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

Cardinal Laboratories

* = Accredited Analyte

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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)

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) 95.5 % 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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*=Accredited Analyte

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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)

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) 95.8 % 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

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: 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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* = 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 - 26 (H213570-06)

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	12/10/2021	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) 95.3 % 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)

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) 94.0 % 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 87.4 % 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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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

ANALYSIS REQUEST

(Circle or Specify Method No.)

Client Name: ConocoPhillips		Site Manager: Ryan Dickerson	
Project Name: Wildcat Pipeline main/old Release		Project #: 217C-MD-02323	
Project Location: Lea County, NM		Invoice to: Accounts Payable Tetra Tech 8911 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)		
		YEAR	DATE	TIME	WATER	SOIL	HCL	HNO ₃			ICE	None
1	NSW-27	2021	12/9	1300	X					1	N	X
2	NSW-28		12/9	1310	X					1	N	X
3	NSW-29		12/9	1330	X					1	N	X
4	ESW-1		12/9	1330	X					1	N	X
5	ESW-2		12/9	1340	X					1	N	X
6	NSW-26		12/9	1350	X					1	N	X
7	ESW-3		12/9	1400	X					1	N	X
8	SSW-25		12/9	1410	X					1	N	X

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

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	Sample Temperature: 5.5°C / 41.3 5.0°C #113

ORIGINAL COPY



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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)

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) 94.8 % 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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* = Accredited Analyte

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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)

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) 95.3 % 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



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 - 23 (H213634-04)

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	12/16/2021	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, 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)

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, 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 67.3 % 62-130

Surrogate: 1-Chlorooctadecane 59.7 % 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 - 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, 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 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)

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) 94.3 % 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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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)

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 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, SM4500CI-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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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, SM4500CI-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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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: 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, 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 71.6 % 62-130

Surrogate: 1-Chlorooctadecane 66.1 % 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:	12/16/2021	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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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, 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 70.6 % 62-130

Surrogate: 1-Chlorooctadecane 64.8 % 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: 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, SM4500CI-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)

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	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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*=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:	12/16/2021	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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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 - 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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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 - 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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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- QR-04 The RPD for the BS/BSD was outside of historical limits.
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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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

Client Name: Conoco Phillips Site Manager: Ryan Dickerson

Project Name: Wilder Pipeline Mainfold Release

Project Location: Lea County, NM Project #: 219C-MD-08383

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

Receiving Laboratory: Cardinal Lab Sampler Signature:

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

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING		DATE	TIME	MATRIX		PRESERVATIVE METHOD			# CONTAINERS	FILTERED (Y/N)
		YEAR	MO			WATER	SOIL	HCL	HNO ₃	ICE		
1	SSW-20	20	12	12/16	8:00		X				X	
2	SSW-21				8:10							
3	SSW-22				8:30							
4	SSW-23				8:30							
5	SSW-24				8:40							
6	NSW-22				8:50							
7	NSW-23				9:00							
8	NSW-24				9:10							
9	NSW-25				9:20							
10	FS-29 (10')				9:30							

Relinquished by: Date: 12/16/21 Time: 13:50

Relinquished by: Date: 12-16-21 Time: 13:10

Relinquished 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

LAB USE ONLY	REMARKS:
<input type="checkbox"/> STANDARD	
<input checked="" type="checkbox"/> RUSH: Same Day	
<input type="checkbox"/> Rush Charges Authorized	
<input type="checkbox"/> Special Report Limits or TRRP Report	

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

ORIGINAL COPY

Analysis Request of Custody Record



Tetra Tech, Inc.

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

Client Name:

Conoco Phillips

Site Manager:

Ryan Dickerson

Project Name:

Wilder Pipeline manifold Release

Project Location:

Lea County, NM

Project #:

21ac-MD-00383

Invoice to:

Accounts payable Tetra Tech 8911N Capital of Texas Highway Ste 200

Receiving Laboratory:

Cardinal Lab

Sampler Signature:

Comments:

SAMPLE IDENTIFICATION

LAB USE ONLY	SAMPLE IDENTIFICATION	SAMPLING		MATRIX			PRESERVATIVE METHOD			# CONTAINERS	FILTERED (Y/N)	
		YEAR	DATE	TIME	WATER	SOIL	HCL	HNO ₃	ICE			None
H213/634 LAB #	11 FS-30 (10')	2021	12/16	940	X			X		1	N	X
	12 FS-31 (10')			950						1	N	X
	13 FS-32 (10')			1000						1	N	X
	14 FS-33 (10')			1010						1	N	X
	15 FS-34 (10')			1020						1	N	X
	16 FS-35 (10')			1030						1	N	X
	17 FS-36 (10')			1040						1	N	X
	18 FS-37 (8')			1120						1	N	X
	19 FS-38 (8')			1130						1	N	X
	20 NSU-20			1240						1	N	X

ANALYSIS REQUEST
(Circle or Specify Method No.)

<input type="checkbox"/>	BTEX 8021B
<input type="checkbox"/>	BTEX 8260B
<input type="checkbox"/>	TPH TX1005 (Ext to C35)
<input type="checkbox"/>	TPH 8015M (GRO - DRO - ORO - MRO)
<input type="checkbox"/>	PAH 8270C
<input type="checkbox"/>	Total Metals Ag As Ba Cd Cr Pb Se Hg
<input type="checkbox"/>	TCLP Metals Ag As Ba Cd Cr Pb Se Hg
<input type="checkbox"/>	TCLP Volatiles
<input type="checkbox"/>	TCLP Semi Volatiles
<input type="checkbox"/>	RCI
<input type="checkbox"/>	GC/MS Vol. 8260B / 624
<input type="checkbox"/>	GC/MS Semi. Vol. 8270C/625
<input type="checkbox"/>	PCB's 8082 / 608
<input type="checkbox"/>	NORM
<input type="checkbox"/>	PLM (Asbestos)
<input type="checkbox"/>	Chloride
<input type="checkbox"/>	Chloride Sulfate TDS
<input type="checkbox"/>	General Water Chemistry (see attached list)
<input type="checkbox"/>	Anion/Cation Balance
<input type="checkbox"/>	TPH 8015R
<input type="checkbox"/>	Hold

Relinquished by: Date: 12/16/21 Time: 1310

Received by: Date: 12-16-21 Time: 1310

Relinquished by: Date: 12/16/21 Time: 1310

Received by: Date: 12-16-21 Time: 1310

LAB USE ONLY

Sample Temperature: 8.7°C

REMARKS:

STANDARD

RUSH: Same Day 24 hr 48 hr 72 hr

Rush Charges Authorized

Special Report Limits or TRRP Report

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.

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)

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, 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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* = Accredited Analyte

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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, 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	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)

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) 94.3 % 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, 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 86.4 % 62-130

Surrogate: 1-Chlorooctadecane 77.5 % 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 - 14 (H213705-05)

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	12/23/2021	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) 94.5 % 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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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)

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) 94.3 % 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	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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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)

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	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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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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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 - 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)

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) 94.0 % 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



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 - 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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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 - 8 (H213705-13)

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	12/23/2021	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	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)

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, 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



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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 - 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

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:	12/23/2021	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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* = 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:	12/23/2021	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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*=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:	12/23/2021	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

Cardinal Laboratories

* = Accredited Analyte

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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

Cardinal Laboratories

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



Tetra Tech, Inc.

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

Analysis Request of Custody Record

Page 1 of 27

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

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

LAB # HB13705

LAB USE ONLY	SAMPLE IDENTIFICATION	SAMPLING		DATE	TIME	MATRIX			PRESERVATIVE METHOD			# CONTAINERS	FILTERED (Y/N)	
		YEAR	2021			WATER	SOIL	HCL	HNO ₃	ICE	None			
	1 NSW-10			12/22	1000		X							
	2 NSW-11				1010									
	3 NSW-12				1020									
	4 NSW-13				1030									
	5 NSW-14				1040									
	6 NSW-15				1050									
	7 NSW-16				1100									
	8 NSW-17				1110									
	9 NSW-18				1120									
	10 NSW-19				1130									

Retrieved by:
Date: 10/03/21
Time:

Received by:
Date: 12-23-21
Time: 0810

Relinquished by:
Date:
Time:

Received by:
Date:
Time:

ANALYSIS REQUEST (Circle or Specify Method No.)

<input checked="" type="checkbox"/>	BTEX 8021B	BTEX 8260B
<input checked="" type="checkbox"/>	TPH TX1005 (Ext to C35)	
<input checked="" type="checkbox"/>	TPH 8015M (GRO - DRO - ORO - MRO)	
<input checked="" type="checkbox"/>	PAH 8270C	
<input checked="" type="checkbox"/>	Total Metals Ag As Ba Cd Cr Pb Se Hg	
<input checked="" type="checkbox"/>	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	
<input checked="" type="checkbox"/>	TCLP Volatiles	
<input checked="" type="checkbox"/>	TCLP Semi Volatiles	
<input checked="" type="checkbox"/>	RCI	
<input checked="" type="checkbox"/>	GC/MS Vol. 8260B / 624	
<input checked="" type="checkbox"/>	GC/MS Semi. Vol. 8270C/625	
<input checked="" type="checkbox"/>	PCB's 8082 / 608	
<input checked="" type="checkbox"/>	NORM	
<input checked="" type="checkbox"/>	PLM (Asbestos)	
<input checked="" type="checkbox"/>	Chloride	
<input checked="" type="checkbox"/>	Chloride Sulfate TDS	
<input checked="" type="checkbox"/>	General Water Chemistry (see attached list)	
<input checked="" type="checkbox"/>	Anion/Cation Balance	
<input checked="" type="checkbox"/>	TPH 8015R	
<input type="checkbox"/>	Hold	

LAB USE ONLY

Sample Temperature
 3.4°C
 e-0.5°C
 2.9°C
 #113 720.

REMARKS:

STANDARD

RUSH: Same Day 24 hr 48 hr 72 hr

Rush Charges Authorized

Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

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

Client Name: Comoco Phillips Site Manager: Ryan Dickerson

Project Name: Wilder Pipeline Manifest Release

Project Location: Lea County, NM Project #: 219C-MD-09383

Invoice no: Accounts Payable TetraTech 8911 N Capital of Texas Highway Ste. 7310

Receiving Laboratory: Cardinal Lab Sampler Signature: [Signature]

Comments:

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION		SAMPLING		MATRIX		PRESERVATIVE METHOD			# CONTAINERS	FILTERED (Y/N)	
	DATE	TIME	YEAR	DATE	WATER	SOIL	HCL	HNO ₃	ICE			None
11	5500-6	12/22	2021	1140		X					X	
12	5500-7			1150								
13	5500-8			1200								
14	5500-9			1210								
15	5500-10			1220								
16	5500-11			1230								
17	5500-12			1240								
18	5500-13			1250								
19	5500-14			1300								
20	5500-15			1310								

Relinquished by: [Signature] Date: 12/23/21 Time: 0810 Received by: [Signature] Date: 12-23-21 Time: 0810

Relinquished by: [Signature] Date: 12/23/21 Time: 0810 Received by: [Signature] Date: 12-23-21 Time: 0810

ANALYSIS REQUEST (Circle or Specify Method No.)

<input type="checkbox"/>	BTEX 8021B
<input type="checkbox"/>	BTEX 8260B
<input type="checkbox"/>	TPH TX1005 (Ext to C35)
<input type="checkbox"/>	TPH 8015M (GRO - DRO - ORO - MRO)
<input type="checkbox"/>	PAH 8270C
<input type="checkbox"/>	Total Metals Ag As Ba Cd Cr Pb Se Hg
<input type="checkbox"/>	TCLP Metals Ag As Ba Cd Cr Pb Se Hg
<input type="checkbox"/>	TCLP Volatiles
<input type="checkbox"/>	TCLP Semi Volatiles
<input type="checkbox"/>	RCI
<input type="checkbox"/>	GC/MS Vol. 8260B / 624
<input type="checkbox"/>	GC/MS Semi. Vol. 8270C/625
<input type="checkbox"/>	PCB's 8082 / 608
<input type="checkbox"/>	NORM
<input type="checkbox"/>	PLM (Asbestos)
<input type="checkbox"/>	Chloride
<input type="checkbox"/>	Chloride Sulfate TDS
<input type="checkbox"/>	General Water Chemistry (see attached list)
<input type="checkbox"/>	Anion/Cation Balance
<input type="checkbox"/>	TPH 8015R
<input type="checkbox"/>	Hold

LAB USE ONLY

REMARKS:

STANDARD

RUSH: Same Day (24 hr) 48 hr 72 hr

Rush Charges Authorized

Special Report Limits or TRRP Report

Sample Temperature: 3.4c
2.0-5.2c
2.9c
#113 TP

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) 682-3948

Client Name: Conoco Phillips Site Manager: Ryan Dickerson

Project Name: Wilder Pipeline Manifold Release Project #: 2192C-MD-02383

Project Location: Lea County, NM

Invoice to: Accounts Payable Tetra Tech 8911 N Capital of Texas Highway Ste. 0310

Receiving Laboratory: Cardinal Lab Sampler Signature: [Signature]

Comments:

LAB # H213705

LAB USE ONLY	SAMPLE IDENTIFICATION	SAMPLING		MATRIX		PRESERVATIVE METHOD			# CONTAINERS	FILTERED (Y/N)	
		YEAR	DATE	TIME	WATER	SOIL	HCL	HNO ₃			ICE
	21 55W-16	2021	10/22	1300	X	X	X	X	X	1	N
	22 55W-17		10/22	1330	X	X	X	X	X	1	N

Relinquished by: [Signature] Date: 10/23/21 Time:

Received by: [Signature] Date: 12-23-21 Time: 0810

Relinquished by: Date: Time:

Received by: Date: Time:

LAB USE ONLY

Sample Temperature: 3.4°C

REMARKS: STANDARD RUSH: Same Day 24 hr 48 hr 72 hr

Rush Charges Authorized

Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking # #11370

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

ORIGINAL COPY



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.

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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* = Accredited Analyte

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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



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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 - 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, SM4500CI-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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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



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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 - 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, SM4500CI-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, SM4500CI-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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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



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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 - 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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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

Cardinal Laboratories

*=Accredited Analyte

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A handwritten signature in black ink, appearing to read "Mike Snyder", is written over a horizontal line.

Mike Snyder For 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 1

Client Name: **JonocoPhillips** Site Manager: **Ryan Dickerson**

Project Name: **Wilder Pipeline Manifold Release**

Project Location: **Lea County, NM** Project #: **212C-MD-08383**

Invoice to: **Accounts Payable TetraTech 8911 N Capital of Texas Highway Ste. 7310**

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)
		DATE	TIME	WATER	SOIL	HCL	HNO ₃	ICE		
1	FS-24 (12')	1/5	1000	X				X		N
2	FS-25 (12')		1030							
3	FS-26 (12')		1030							
4	FS-27 (12')		1040							
5	FS-28 (12')		1050							
6	FS-29 (20')		1100							
7	FS-30 (20')		1110							
8	FS-31 (20')		1120							
9	FS-22 (10')		1310							
10	FS-23 (10')		1320							

Relinquished by: Date: **1/5/22** Time: **1510** Received by: Date: **1-5-22** Time: **1510**

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: **4.8°C**
2-0.5°C
4.3°C #113

REMARKS:
 STANDARD
 RUSH: Same Day **24 hr** 48 hr 72 hr
 Rush Charges Authorized
 Special Report Limits or TRRP Report

ORIGINAL COPY



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.

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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*=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:	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



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 - 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, 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	01/07/2022	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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* = 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:	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)

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) 94.3 % 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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*=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:	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

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

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

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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)

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) 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



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 - 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



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 - 3 (H220218-03)

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	01/19/2022	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 78.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 71.3 % 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 - 4 (H220218-04)

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	01/19/2022	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) 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)

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 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)

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, 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)

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, 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)

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, 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



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: 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)

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 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)

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 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, 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 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)

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	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



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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 - 3 (H220218-16)

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	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	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



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 - 4 (H220218-17)

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	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, 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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*=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:	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, 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 88.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 77.1 % 59.5-142

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* = Accredited Analyte

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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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*=Accredited Analyte

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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) 682-3848

Client Name: **Gonoco Phillips**

Site Manager: **Ryan Dickerson**

Project Name: **Wilder Pipeline Manifold Release**

Project Location: **Lea County, NM**

Project #: **218C-MD-00383**

Invoice to: **Accounts Payable Tetra Tech 9911 W Capital of Texas Hwy Ste. 2310**

Receiving Laboratory: **Cardinal Lab**

Sampler Signature: *[Signature]*

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

LAB # **H220218**
LAB USE ONLY

SAMPLE IDENTIFICATION

LAB #	SAMPLE IDENTIFICATION	SAMPLING		DATE	TIME	MATRIX		PRESERVATIVE METHOD			# CONTAINERS	FILTERED (Y/N)
		YEAR	2022			WATER	SOIL	HCL	HNO ₃	ICE		
1	NSU-1			1/19	800		X				X	
2	NSU-2				810						X	
3	NSU-3				820						X	
4	NSU-4				830						X	
5	NSU-5				840						X	
6	NSU-6				850						X	
7	NSU-7				900						X	
8	NSU-8				910						X	
9	NSU-9				920						X	
10	WSU-1				930						X	

Relinquished by: *[Signature]* Date: **1/19/22** Time: **1605**

Received by: **Janora Delgado** Date: **1-19-22** Time: **1605**

Relinquished by: _____ Date: _____ Time: _____

Received by: _____ Date: _____ Time: _____

ANALYSIS REQUEST (Circle or Specify Method No.)

<input checked="" type="checkbox"/>	BTEX 8021B	BTEX 8260B
<input checked="" type="checkbox"/>	TPH TX1005 (Ext to C35)	
<input checked="" type="checkbox"/>	TPH 8015M (GRO - DRO - ORO - MRO)	
<input type="checkbox"/>	PAH 8270C	
<input type="checkbox"/>	Total Metals Ag As Ba Cd Cr Pb Se Hg	
<input type="checkbox"/>	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	
<input type="checkbox"/>	TCLP Volatiles	
<input type="checkbox"/>	TCLP Semi Volatiles	
<input type="checkbox"/>	RCI	
<input type="checkbox"/>	GC/MS Vol. 8260B / 624	
<input type="checkbox"/>	GC/MS Semi. Vol. 8270C/625	
<input type="checkbox"/>	PCB's 8082 / 608	
<input type="checkbox"/>	NORM	
<input type="checkbox"/>	PLM (Asbestos)	
<input checked="" type="checkbox"/>	Chloride	
<input type="checkbox"/>	Chloride Sulfate TDS	
<input type="checkbox"/>	General Water Chemistry (see attached list)	
<input type="checkbox"/>	Anion/Cation Balance	
<input type="checkbox"/>	TPH 8015R	
<input type="checkbox"/>	Hold	

LAB USE ONLY

Sample Temperature: **5.9°C**
5.4°C
5.0°C
#113 TO.

REMARKS:
 STANDARD
 RUSH: Same Day **24 hr** 48 hr 72 hr
 Rush Charges Authorized
 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 2

Client Name:

ConocoPhillips

Site Manager:

Ryan Dickerson

Project Name:

Wilder Pipeline Manifold Release

Project Location:

Lea County, NM

Project #:

210C-MD-02383

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

deun.dominguez@tetratech.com

LAB #
LAB USE ONLY

H2202418

SAMPLE IDENTIFICATION

YEAR	SAMPLING		MATRIX		PRESERVATIVE METHOD			# CONTAINERS	FILTERED (Y/N)
	DATE	TIME	WATER	SOIL	HCL	HNO ₃	ICE		
2022	1/19	940	X				K	1	N
		950						1	N
		1000						1	N
		1010						1	N
		1020						1	N
		1030						1	N
		1040						1	N
		1060						1	N

11 WSW-2

12 WSW-3

13 WSW-4

14 WSW-1

15 WSW-2

16 WSW-3

17 WSW-4

18 WSW-5

Relinquished by:

Date: 1/19/22

Time: 1605

Received by:

Date: 1-19-22

Time: 1605

Relinquished by:

Date:

Time:

Date:

Time:

Received by:

Date:

Time:

Date:

Time:

Date:

Time:

Relinquished by:

Date:

Time:

Date:

Time:

Received by:

Date:

Time:

Date:

Time:

ANALYSIS REQUEST
(Circle or Specify Method No.)

<input type="checkbox"/>	BTEX 8021B
<input type="checkbox"/>	BTEX 8260B
<input type="checkbox"/>	TPH TX1005 (Ext to C35)
<input type="checkbox"/>	TPH 8015M (GRO - DRO - ORO - MRO)
<input type="checkbox"/>	PAH 8270C
<input type="checkbox"/>	Total Metals Ag As Ba Cd Cr Pb Se Hg
<input type="checkbox"/>	TCLP Metals Ag As Ba Cd Cr Pb Se Hg
<input type="checkbox"/>	TCLP Volatiles
<input type="checkbox"/>	TCLP Semi Volatiles
<input type="checkbox"/>	RCI
<input type="checkbox"/>	GC/MS Vol. 8260B / 624
<input type="checkbox"/>	GC/MS Semi. Vol. 8270C/625
<input type="checkbox"/>	PCB's 8082 / 608
<input type="checkbox"/>	NORM
<input type="checkbox"/>	PLM (Asbestos)
<input type="checkbox"/>	Chloride
<input type="checkbox"/>	Chloride Sulfate TDS
<input type="checkbox"/>	General Water Chemistry (see attached list)
<input type="checkbox"/>	Anion/Cation Balance
<input type="checkbox"/>	TPH 8015R
<input type="checkbox"/>	Hold

LAB USE ONLY

Sample Temperature

5.9°C
-0.5°C
5.4°C
#113 TD

REMARKS:

STANDARD
 RUSH: Same Day (24 hr) 48 hr 72 hr
 Rush Charges Authorized
 Special Report Limits or TRRP Report

ORIGINAL COPY



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, flowing "C" at the beginning.

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)

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	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



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 - 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

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:	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

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:	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)

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) 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



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 - 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)

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	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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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

Analysis Request of Custody Record



Tetra Tech, Inc.

4000 N. Big Spring Street, Site
401 Midland, Texas 79705
Tel (432) 682-4559
Fax (432) 682-3946

Client Name: Conoco Phillips Site Manager: Ryan Dickerson

Project Name: Wilder Pipeline Mainfold Release
Project Location: Lea County, NH Project #: 212-140-02383

Invoice to: Accounts Payable Technetec 9411 W Capital of Texas Highway Ste. 231B
Receiving Laboratory: Cardinal Lab Sampler Signature: Matthew Galt

Comments: Ryan Dickerson@tehtech.com

LAB #	SAMPLE IDENTIFICATION	SAMPLING		MATRIX		PRESERVATIVE METHOD		# CONTAINERS	FILTERED (Y/N)
		DATE	TIME	WATER	SOIL	HCL	HNO ₃		
<u>H220333</u>									
1	FS-15 (4')	1/27/22	0830		X				X
2	FS-14 (4')	1/27/22	0840						X
3	FS-11 (4')	1/27/22	0850						X
4	FS-13 (4')	1/27/22	0900						X
5	FS-12 (4')	1/27/22	0915						X
6	FS-9 (4')	1/27/22	0920						X
7	FS-5 (4')	1/27/22	0930						X
8	FS-6 (4')	1/27/22	0940						X
9	FS-3 (4')	1/27/22	0950						X
10	FS-10 (4')	1/27/22	1000						X

Requested by: [Signature] Date: 28 Jan 22 Time: 8:12

Received by: [Signature] Date: 28 Jan 22 Time: 1:28:22

ANALYSIS REQUEST (Circle or Specify Method No.)

<input type="checkbox"/>	BTEX 8021B	BTEX 8260B
<input type="checkbox"/>	TPH TX1005 (Ext to C35)	
<input type="checkbox"/>	TPH 8015M (GRO - DRO - ORO)	
<input type="checkbox"/>	PAH 8270C	
<input type="checkbox"/>	Total Metals Ag As Ba Cd Cr Pb Se Hg	
<input type="checkbox"/>	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	
<input type="checkbox"/>	TCLP Volatiles	
<input type="checkbox"/>	TCLP Semi Volatiles	
<input type="checkbox"/>	RCI	
<input type="checkbox"/>	GC/MS Vol. 8260B / 624	
<input type="checkbox"/>	GC/MS Semi. Vol. 8270C/625	
<input type="checkbox"/>	PCB's 8082 / 608	
<input type="checkbox"/>	NORM	
<input type="checkbox"/>	PLM (Asbestos)	
<input type="checkbox"/>	Chloride	
<input type="checkbox"/>	Chloride Sulfate TDS	
<input type="checkbox"/>	General Water Chemistry (see attached list)	
<input type="checkbox"/>	Anion/Cation Balance	
<input type="checkbox"/>	Asbestos	
<input type="checkbox"/>	Hold	

LAB USE ONLY

Sample Temperature
3.6°C
2-0.5°C
3.1°C #13

REMARKS:
 RUSH: Same Day 24 hr 48 hr 72 hr
 Rush Charges Authorized
 Special Report Limits or TRRP Report

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 written in a cursive 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:	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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* = 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:	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



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 - 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)

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	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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*=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:	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)

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	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

Cardinal Laboratories

*=Accredited Analyte

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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:

Conoco Phillips

Site Manager:

Ryan Dickerson

ANALYSIS REQUEST
(Circle or Specify Method No.)

(Circle or Specify Method No.)

Project Name:

Wilder Pipeline Mainfold Release

Project Location:

Lea County, NM

Project #:

212C-W40-02383

Invoice to:

Accounts Payable Tetra Tech 8911 N Capital of Texas Highway Ste. 2310

Receiving Laboratory:

Cardinal Lab

Sampler Signature:

[Signature]

Comments:

Ryan Dickerson@tetratech.com

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING		MATRIX				PRESERVATIVE METHOD		# CONTAINERS	FILTERED (Y/N)
		DATE	TIME	WATER	SOIL	HCL	HNO ₃	ICE			

H220372											
1	ES-8 (4')	1/31	1440	X				X		1	N
2	ES-7 (4')		1450							1	N
3	ES-4 (4')		1500							1	N
4	ES-2 (4')		1510							1	N
5	ES-1 (4')		1520							1	N

	BTEX 8021B	BTEX 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		

Inquired by: *[Signature]* Date: 02/01/22 Time: 8:10

Received by: *[Signature]* Date: 2-1-22 Time: 0810

LAB USE ONLY

Sample Temperature
3.3°C
2-0.5°C
2.8°C #113

REMARKS:
 RUSH: Same Day 24 hr 48 hr 72 hr
 Rush Charges Authorized
 Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

ORIGINAL COPY

APPENDIX E

Photographic Documentation



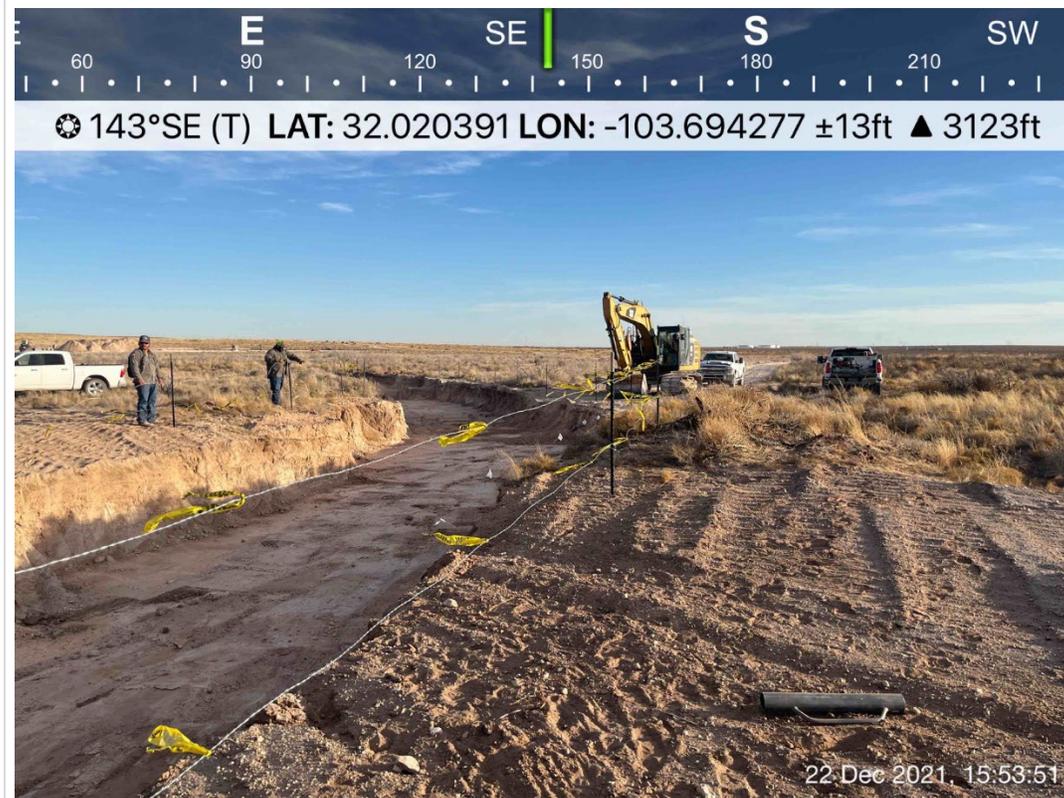
TETRA TECH, INC. PROJECT NO. 212C-MD-02383	DESCRIPTION	View southeast. Eastern extent of remediated area.	1
	SITE NAME	ConocoPhillips Wilder Pipeline Manifold Release	12/15/2021



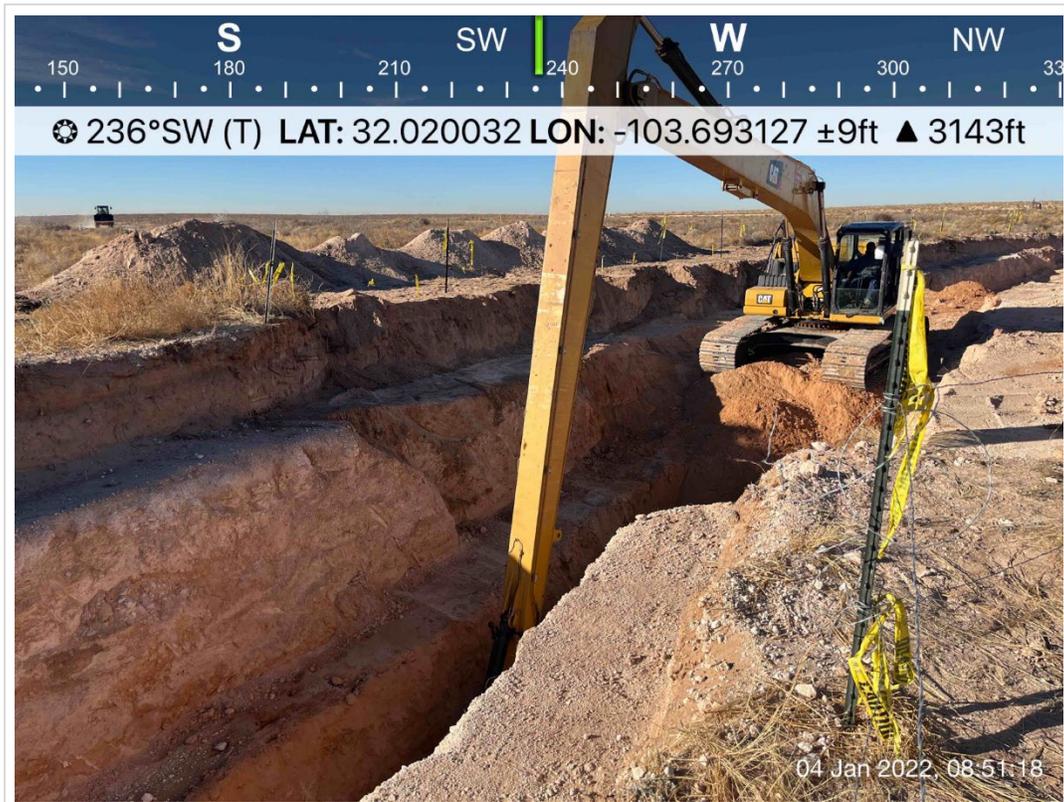
TETRA TECH, INC. PROJECT NO. 212C-MD-02383	DESCRIPTION	View east. Progress of remedial activities in eastern portion of excavation area.	2
	SITE NAME	ConocoPhillips Wilder Pipeline Manifold Release	12/22/2022



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



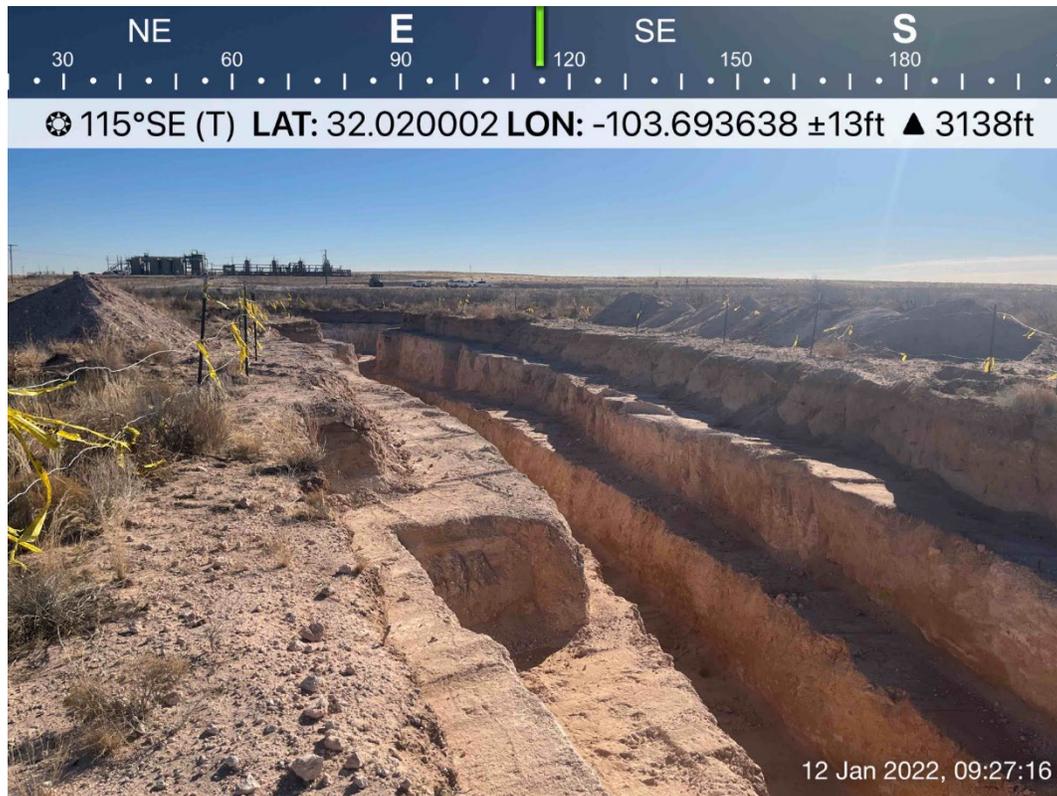
TETRA TECH, INC. PROJECT NO. 212C-MD-02383	DESCRIPTION	View southwest. Eastern portion of the remediated area, deepening 20' bgs excavation.	5
	SITE NAME	ConocoPhillips Wilder Pipeline Manifold Release	1/4/2022



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



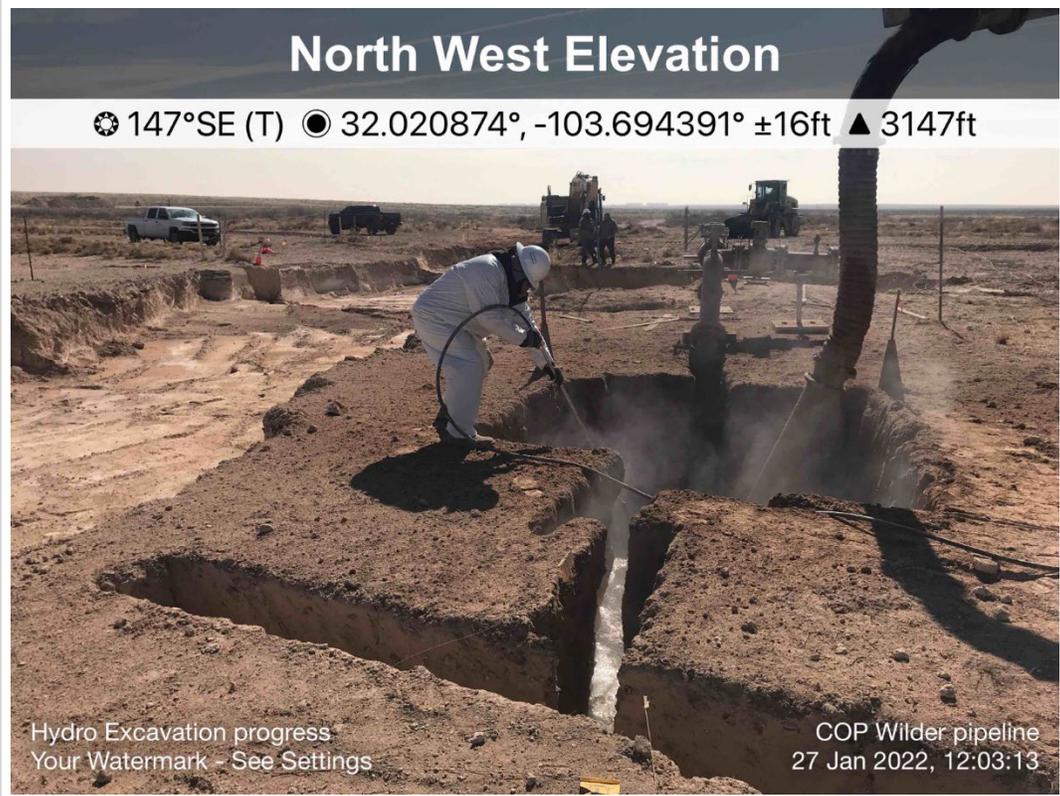
TETRA TECH, INC. PROJECT NO. 212C-MD-02383	DESCRIPTION	View west. Far eastern and central eastern portion of remediated areas.	9
	SITE NAME	ConocoPhillips Wilder Pipeline Manifold Release	1/12/2022



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



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



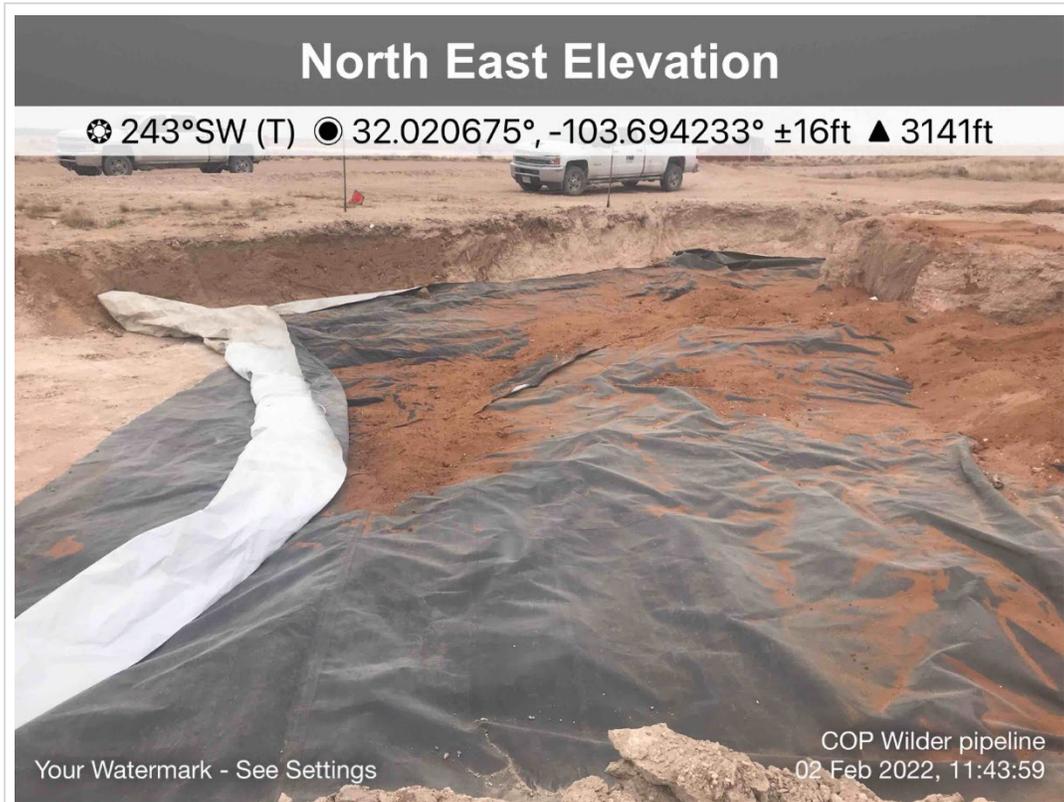
TETRA TECH, INC. PROJECT NO. 212C-MD-02383	DESCRIPTION	View south. Hydro-excavation activities in the northern portion of the excavated area, near the pipeline manifold.	12
	SITE NAME	ConocoPhillips Wilder Pipeline Manifold Release	1/27/2022



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



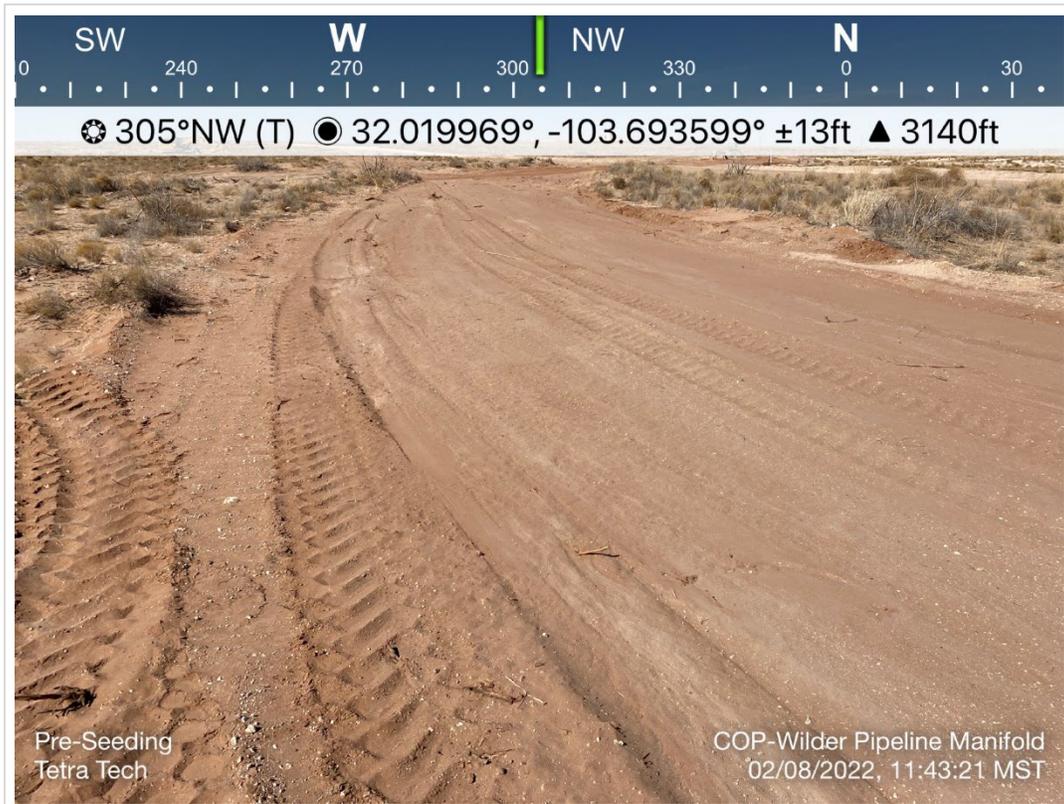
TETRA TECH, INC. PROJECT NO. 212C-MD-02383	DESCRIPTION	View southwest. Poly liner placement in the northern portion of the excavated area.	15
	SITE NAME	ConocoPhillips Wilder Pipeline Manifold Release	2/2/2022



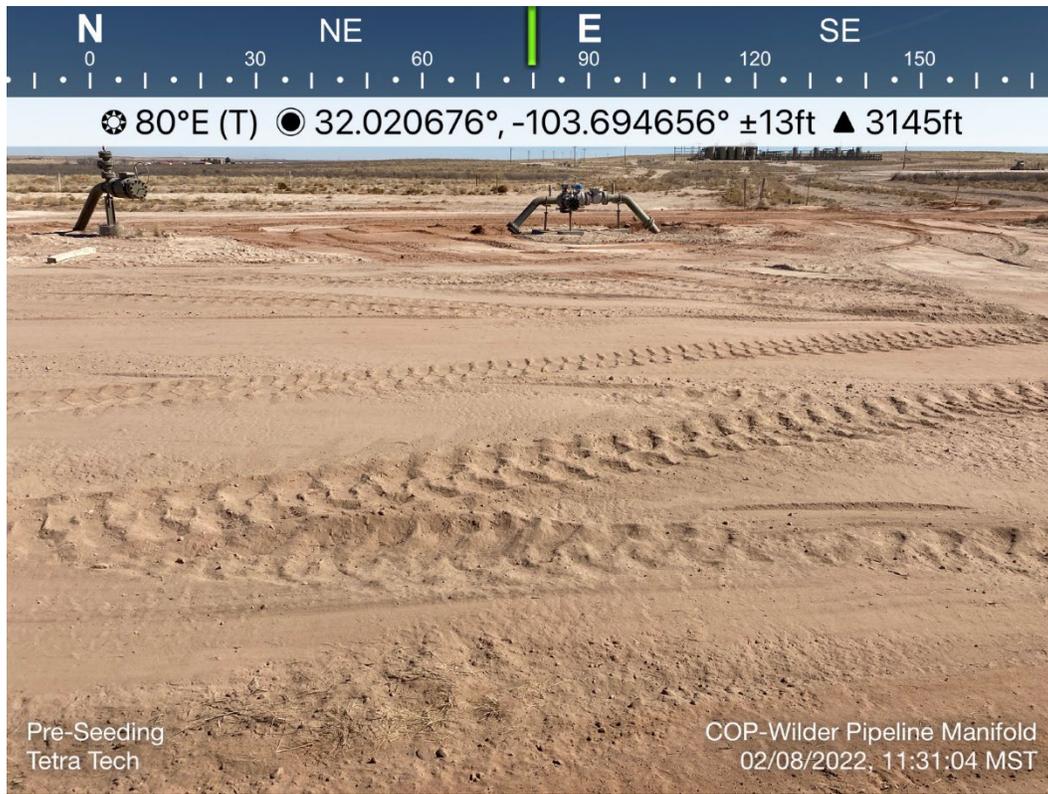
☉ 266°W (T) 📍 32.020065°, -103.692880° ±13ft ▲ 3138ft



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



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 Wilder Pipeline Soil	Manifold Release.	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



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 Pipeline Release.	Manifold N/A.	20	18.00	360.00	19.80	379.80
2/1/2022	LFS0101294	N/A	8960	Contaminated Soil	Wilder Pipeline Release.	Manifold N/A.	20	18.00	360.00	19.80	379.80
2/1/2022	LFS0101316	212	N/A	Contaminated Soil	Wilder Pipeline Release.	Manifold N/A.	18	18.00	324.00	17.82	341.82
2/1/2022	LFS0101335	N/A	7990	Contaminated Soil	Wilder Pipeline Release.	Manifold N/A.	18	18.00	324.00	17.82	341.82
2/1/2022	LFS0101345	N/A	N/A	Contaminated Soil	Wilder Pipeline Release.	Manifold N/A.	20	18.00	360.00	19.80	379.80
2/1/2022	LFS0101396	220	8962	Contaminated Soil	Wilder Pipeline Release.	Manifold N/A.	20	18.00	360.00	19.80	379.80
2/1/2022	LFS0101397	190	8958	Contaminated Soil	Wilder Pipeline Release.	Manifold N/A.	20	18.00	360.00	19.80	379.80
2/1/2022	LFS0101399	221	9113	Contaminated Soil	Wilder Pipeline Release.	Manifold N/A.	20	18.00	360.00	19.80	379.80
2/1/2022	LFS0101400	214	8397	Contaminated Soil	Wilder Pipeline Release.	Manifold N/A.	18	18.00	324.00	17.82	341.82
2/1/2022	LFS0101401	213	8961	Contaminated Soil	Wilder Pipeline Release.	Manifold N/A.	20	18.00	360.00	19.80	379.80
2/1/2022	LFS0101403	211	N/A	Contaminated Soil	Wilder Pipeline Release.	Manifold N/A.	20	18.00	360.00	19.80	379.80
2/1/2022	LFS0101405	210	N/A	Contaminated Soil	Wilder Pipeline Release.	Manifold N/A.	18	18.00	324.00	17.82	341.82
2/1/2022	LFS0101406	206	8396	Contaminated Soil	Wilder Pipeline Release.	Manifold N/A.	18	18.00	324.00	17.82	341.82
2/1/2022	LFS0101407	204	N/A	Contaminated Soil	Wilder Pipeline Release.	Manifold N/A.	18	18.00	324.00	17.82	341.82
2/1/2022	LFS0101410	203	N/A	Contaminated Soil	Wilder Pipeline Release.	Manifold N/A.	20	18.00	360.00	19.80	379.80
2/1/2022	LFS0101411	202	N/A	Contaminated Soil	Wilder Pipeline Release.	Manifold N/A.	18	18.00	324.00	17.82	341.82
2/1/2022	LFS0101412	201	9218	Contaminated Soil	Wilder Pipeline Release.	Manifold N/A.	18	18.00	324.00	17.82	341.82



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DATE	INVOICE	MANIFEST #	TRUCK TICKET #	ITEM	LEASE	WELL	QTY	RATE	TOTAL	TAX	AMOUNT
2/1/2022	LFS0101414	200	N/A	Contaminated Soil	Wilder Pipeline Release.	Manifold N/A.	18	18.00	324.00	17.82	341.82
2/1/2022	LFS0101415	199	7988	Contaminated Soil	Wilder Pipeline Release.	Manifold N/A.	18	18.00	324.00	17.82	341.82
2/1/2022	LFS0101416	198	9110	Contaminated Soil	Wilder Pipeline Release.	Manifold N/A.	18	18.00	324.00	17.82	341.82
2/1/2022	LFS0101417	192	N/A	Contaminated Soil	Wilder Pipeline Release.	Manifold N/A.	18	18.00	324.00	17.82	341.82
2/1/2022	LFS0101418	196	8959	Contaminated Soil	Wilder Pipeline Release.	Manifold N/A.	20	18.00	360.00	19.80	379.80
2/1/2022	LFS0101421	195	N/A	Contaminated Soil	Wilder Pipeline Release.	Manifold N/A.	18	18.00	324.00	17.82	341.82
2/1/2022	LFS0101422	197	8395	Contaminated Soil	Wilder Pipeline Release.	Manifold N/A.	20	18.00	360.00	19.80	379.80
2/1/2022	LFS0101424	194	N/A	Contaminated Soil	Wilder Pipeline Release.	Manifold N/A.	20	18.00	360.00	19.80	379.80
2/1/2022	LFS0101425	193	N/A	Contaminated Soil	Wilder Pipeline Release.	Manifold N/A.	18	18.00	324.00	17.82	341.82
2/1/2022	LFS0101426	N/A	8960	Contaminated Soil	Wilder Pipeline Release.	Manifold N/A.	20	18.00	360.00	19.80	379.80
2/1/2022	LFS0101428	191	9217	Contaminated Soil	Wilder Pipeline Release.	Manifold N/A.	18	18.00	324.00	17.82	341.82
2/1/2022	LFS0101429	187	7987	Contaminated Soil	Wilder Pipeline Release.	Manifold N/A.	18	18.00	324.00	17.82	341.82
2/1/2022	LFS0101430	N/A	7990	Contaminated Soil	Wilder Pipeline Release.	Manifold N/A.	18	18.00	324.00	17.82	341.82
2/1/2022	LFS0101433	189	9109	Contaminated Soil	Wilder Pipeline Release.	Manifold N/A.	18	18.00	324.00	17.82	341.82
2/1/2022	LFS0101434	212	N/A	Contaminated Soil	Wilder Pipeline Release.	Manifold N/A.	18	18.00	324.00	17.82	341.82
2/1/2022	LFS0101435	N/A	N/A	Contaminated Soil	Wilder Pipeline Release.	Manifold N/A.	20	18.00	360.00	19.80	379.80
2/1/2022	LFS0101437	N/A	186	Contaminated Soil	Wilder Pipeline Release.	Manifold N/A.	20	18.00	360.00	19.80	379.80
2/1/2022	LFS0101438	185	N/A	Contaminated Soil	Wilder Pipeline Release.	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 Pipeline Release.	Manifold N/A.	18	18.00	324.00	17.82	341.82
2/2/2022	LFS0101461	222	8399	Contaminated Soil	Wilder Pipeline Release.	Manifold N/A.	18	18.00	324.00	17.82	341.82
2/2/2022	LFS0101464	224	N/A	Contaminated Soil	Wilder Pipeline Release.	Manifold N/A.	18	18.00	324.00	17.82	341.82
2/2/2022	LFS0101472	223	9114	Contaminated Soil	Wilder Pipeline Release.	Manifold N/A.	18	18.00	324.00	17.82	341.82
2/2/2022	LFS0101476	226	N/A	Contaminated Soil	Wilder Pipeline Release.	Manifold N/A.	20	18.00	360.00	19.80	379.80
2/2/2022	LFS0101478	225	N/A	Contaminated Soil	Wilder Pipeline Release.	Manifold N/A.	18	18.00	324.00	17.82	341.82
2/1/2022	LFS0101507	208	7989	Contaminated Soil	Wilder Pipeline Release.	Manifold N/A.	18	18.00	324.00	17.82	341.82
2/1/2022	LFS0101508	209	9191	Contaminated Soil	Wilder Pipeline Release.	Manifold N/A.	18	18.00	324.00	17.82	341.82
2/1/2022	LFS0101510	215	9112	Contaminated Soil	Wilder Pipeline Release.	Manifold N/A.	18	18.00	324.00	17.82	341.82
2/1/2022	LFS0101511	217	9192	Contaminated Soil	Wilder Pipeline Release.	Manifold N/A.	18	18.00	324.00	17.82	341.82
2/1/2022	LFS0101513	207	9111	Contaminated Soil	Wilder Pipeline Release.	Manifold N/A.	18	18.00	324.00	17.82	341.82
2/2/2022	LFS0101514	227	8400	Contaminated Soil	Wilder Pipeline Release.	Manifold N/A.	18	18.00	324.00	17.82	341.82
2/2/2022	LFS0101515	228	N/A	Contaminated Soil	Wilder Pipeline Release.	Manifold N/A.	18	18.00	324.00	17.82	341.82
2/1/2022	LFS0101516	219	8398	Contaminated Soil	Wilder Pipeline Release.	Manifold N/A.	20	18.00	360.00	19.80	379.80
2/2/2022	LFS0101518	229	9115	Contaminated Soil	Wilder Pipeline Release.	Manifold N/A.	18	18.00	324.00	17.82	341.82
2/2/2022	LFS0101520	230	N/A	Contaminated Soil	Wilder Pipeline Release.	Manifold N/A.	20	18.00	360.00	19.80	379.80
2/2/2022	LFS0101521	231	N/A	Contaminated Soil	Wilder Pipeline Release.	Manifold N/A.	18	18.00	324.00	17.82	341.82
2/2/2022	LFS0101529	232	8927	Contaminated Soil	Wilder Pipeline Release.	Manifold N/A.	18	18.00	324.00	17.82	341.82



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2/2/2022	LFS0101531	233	N/A	Contaminated Soil	Wilder Pipeline Release.	Manifold N/A.	18	18.00	324.00	17.82	341.82
2/2/2022	LFS0101533	234	9116	Contaminated Soil	Wilder Pipeline Release.	Manifold N/A.	18	18.00	324.00	17.82	341.82
2/2/2022	LFS0101540	235	N/A	Contaminated Soil	Wilder Pipeline Release.	Manifold N/A.	20	18.00	360.00	19.80	379.80
2/2/2022	LFS0101542	236	N/A	Contaminated Soil	Wilder Pipeline Release.	Manifold N/A.	18	18.00	324.00	17.82	341.82
2/8/2022	LFS0102203	250	9120	Contaminated Soil	Wilder Pipeline Release.	Manifold N/A.	18	18.00	324.00	17.82	341.82
2/8/2022	LFS0102212	251	N/A	Contaminated Soil	Wilder Pipeline Release.	Manifold N/A.	18	18.00	324.00	17.82	341.82
2/8/2022	LFS0102218	252	N/A	Contaminated Soil	Wilder Pipeline Release.	Manifold N/A.	18	18.00	324.00	17.82	341.82
2/8/2022	LFS0102222	253	8926	Contaminated Soil	Wilder Pipeline Release.	Manifold N/A.	18	18.00	324.00	17.82	341.82
2/8/2022	LFS0102228	254	7991	Contaminated Soil	Wilder Pipeline Release.	Manifold N/A.	18	18.00	324.00	17.82	341.82
2/8/2022	LFS0102250	255	9121	Contaminated Soil	Wilder Pipeline Release.	Manifold N/A.	18	18.00	324.00	17.82	341.82
2/8/2022	LFS0102264	256	N/A	Contaminated Soil	Wilder Pipeline Release.	Manifold N/A.	18	18.00	324.00	17.82	341.82
2/8/2022	LFS0102270	257	N/A	Contaminated Soil	Wilder Pipeline Release.	Manifold N/A.	18	18.00	324.00	17.82	341.82
2/8/2022	LFS0102271	258	7881	Contaminated Soil	Wilder Pipeline Release.	Manifold N/A.	18	18.00	324.00	17.82	341.82
2/8/2022	LFS0102276	259	8929	Contaminated Soil	Wilder Pipeline Release.	Manifold N/A.	18	18.00	324.00	17.82	341.82
2/8/2022	LFS0102287	260	7992	Contaminated Soil	Wilder Pipeline Release.	Manifold N/A.	18	18.00	324.00	17.82	341.82
2/8/2022	LFS0102314	261	9122	Contaminated Soil	Wilder Pipeline Release.	Manifold N/A.	18	18.00	324.00	17.82	341.82
2/8/2022	LFS0102320	262	N/A	Contaminated Soil	Wilder Pipeline Release.	Manifold N/A.	18	18.00	324.00	17.82	341.82
2/8/2022	LFS0102327	263	N/A	Contaminated Soil	Wilder Pipeline Release.	Manifold N/A.	18	18.00	324.00	17.82	341.82



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DATE	INVOICE	MANIFEST #	TRUCK TICKET #	ITEM	LEASE	WELL	QTY	RATE	TOTAL	TAX	AMOUNT
2/8/2022	LFS0102345	264	7882	Contaminated Soil	Wilder Pipeline Release.	Manifold N/A.	18	18.00	324.00	17.82	341.82
2/8/2022	LFS0102347	265	8930	Contaminated Soil	Wilder Pipeline Release.	Manifold N/A.	18	18.00	324.00	17.82	341.82
2/8/2022	LFS0102363	266	9123	Contaminated Soil	Wilder Pipeline Release.	Manifold N/A.	18	18.00	324.00	17.82	341.82
2/7/2022	LFS0102451	N/A	N/A	Contaminated Soil	Wilder Pipeline Release.	Manifold N/A.	18	18.00	324.00	17.82	341.82
2/7/2022	LFS0102457	240	N/A	Contaminated Soil	Wilder Pipeline Release.	Manifold N/A.	18	18.00	324.00	17.82	341.82
2/7/2022	LFS0102462	246	N/A	Contaminated Soil	Wilder Pipeline Release.	Manifold N/A.	18	18.00	324.00	17.82	341.82
2/7/2022	LFS0102471	237	N/A	Contaminated Soil	Wilder Pipeline Release.	Manifold N/A.	18	18.00	324.00	17.82	341.82
2/7/2022	LFS0102593	239	N/A	Contaminated Soil	Wilder Pipeline Release.	Manifold N/A.	18	18.00	324.00	17.82	341.82
2/7/2022	LFS0102620	N/A	8928	Contaminated Soil	Wilder Pipeline Release.	Manifold N/A.	18	18.00	324.00	17.82	341.82
2/7/2022	LFS0102734			Contaminated Soil	Wilder Pipeline Release.	Manifold N/A.	18	18.00	324.00	17.82	341.82
2/7/2022	LFS0102860	247	9119	Contaminated Soil	Wilder Pipeline Release.	Manifold N/A.	18	18.00	324.00	17.82	341.82
2/7/2022	LFS0102935	243	N/A	Contaminated Soil	Wilder Pipeline Release.	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