

June 14, 2023

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

Re: Release Characterization, Remediation, and Closure Report

ConocoPhillips **Heritage Concho** Ushanka Federal Com #023H Flowline Release Unit Letter C, Section 01, Township 26 South, Range 35 East Lea County, New Mexico Incident ID# NAPP2309431095

Sir or Madam:

Tetra Tech, Inc. (Tetra Tech) was contacted by ConocoPhillips (COP) to assess a release that occurred from a flowline associated with the Ushanka Federal Com #023H (API# 30-025-44505). The release footprint is located in Public Land Survey System (PLSS) Unit Letter C, Section 01, Township 26 South, Range 35 East, in Lea County, New Mexico (Site). The approximate release point occurred at coordinates 32.078571°, -103.322728° as shown on Figures 1 and 2.

BACKGROUND

According to the State of New Mexico C-141 Initial Report (Appendix A), the release occurred from a hole in the flowline due to pressure build up, and was discovered on March 26, 2023. Approximately 0.75 barrels (bbls) of crude oil and 6.75 bbls of produced water were reported released. The provided spill calculator indicates a footprint of approximately 1,690 square feet of impacted area. Following discovery of the release, ConocoPhillips repaired the line. This release extent was verified based on information provided by ConocoPhillips representatives, a review of photographs and observations made during a site visit at the release area on April 26, 2023. The New Mexico Oil Conservation District (NMOCD) received the C-141 report form for the release on March 26, 2023. The NMOCD Incident ID for this release is NAPP2309431095.

LAND OWNERSHIP

The Site is located on land owned by the Bureau of Land Management (BLM). Following the release, Tetra Tech requested BLM clearance to remediate via email. The BLM cleared the Site for remediation activities via email, following a desktop review conducted by Shelly Taylor of the BLM. Email correspondence with the BLM is included in Appendix B.

SITE CHARACTERIZATION

A site characterization was performed and no sinkholes, residences, schools, hospitals, institutions, churches, springs, private domestic water wells, stream bodies, 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 low karst potential.

According to the New Mexico Office of the State Engineers (NMOSE) reporting system, there are no water wells within ½ mile (800 meters) of the Site. The search radius was expanded and based on available data

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ConocoPhillips

from five (5) water wells located with 1.5 miles (2,414 meters) of the site with an average depth to groundwater of 240 feet below ground surface (bgs). The site characterization data are presented in Appendix C.

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.

Due to the lack of depth to groundwater data within 0.5-mile of the Site, the most stringent RRALs from Table I of 19.15.29.12 NMAC will be applied to the Site. Hence, the proposed RRALs for the Site are as follows:

Constituent	RRAL
Chloride	600 mg/kg
TPH (GRO+DRO+ORO)	100 mg/kg
BTEX	50 mg/kg
Benzene	10 mg/kg

SITE ASSESSMENT ACTIVITIES AND RESULTS

Tetra Tech personnel were onsite to delineate and sample the release area on April 26, 2023. A total of nine (9) soil borings (HA-1 through HA-9) were installed using a hand auger within and around the release to evaluate the vertical and horizontal extents. HA-1, HA-2, and HA-3 were installed within the release extent to assess the vertical extent of impact. The remainder of the borings were installed around the perimeter of the release footprint to delineate the horizontal extent. Photographic documentation of site conditions during assessment activities is included in Appendix D. The boring locations are shown on Figure 4.

A total of sixteen (16) samples were collected from the sample locations and transferred under chain of custody and analyzed within appropriate holding times by Cardinal Laboratories (Cardinal). The soil samples were analyzed for TPH via Method 8015 Modified, chloride via Method SM4500Cl-B, and BTEX via Method 8021B. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E.

Results from the April 2023 soil sampling event are summarized in Table 1. Analytical results associated with boring location HA-1 and HA-3 exceeded the proposed Site RRALs for chloride in soils. All other analytical results from the April 2023 sampling were below Site RRALs. Both horizontal and vertical delineation of the release area footprint were achieved.

REMEDIAL ACTIVITIES AND CONFIRMATION SAMPLING

In accordance with 19.15.29.12 B (2) NMAC, COP elected to begin remediation of the impacted area in May 2023. Based on the analytical results from the soil assessment, impacted soils were excavated to a depth of 1.5 feet below surrounding grade. From May 22 to May 24, 2023, Tetra Tech personnel were onsite to supervise the remedial activities, including excavation, disposal, and confirmation sampling. Prior to confirmation sampling, on May 22, 2023, the NMOCD district office was notified via email in accordance with Subsection D of 19.15.29.12 NMAC. Documentation of associated regulatory correspondence is included in Appendix B.

Impacted soils were excavated as shown in Figure 5. Impacted soils within the vicinity of the subsurface lines which intersect the release footprint were excavated to a depth of 1.5 feet below surrounding grade via hydro-excavation. Excavation work continued 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. All excavated material was transported offsite for proper disposal. Approximately 127 cubic yards of material were

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ConocoPhillips

transported to the North Delaware Basin Landfill in Jal, New Mexico. Copies of the waste tickets are included in Appendix F.

Following excavation, confirmation floor and sidewall samples were collected and submitted for laboratory analysis to verify efficacy of remedial activities. In accordance with 19.15.29.12(D)(1)(b) NMAC, confirmation samples were collected such that each discrete sample (sidewall and floor) was representative of no more than 200 square feet of excavated area. A total of four (4) confirmation floor samples and five (5) confirmation sidewall samples were collected during remedial activities. Confirmation sidewall sample locations were categorized with the cardinal direction (N, E, S, W) followed by SW-#. Confirmation floor sample locations were labeled with "FS"-#. Excavated areas and depths and confirmation sample locations are indicated in Figure 5.

Collected confirmation samples were placed into laboratory-provided sample containers, transferred under chain-of-custody, and analyzed within appropriate holding times by Cardinal. 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. The analytical results were directly compared to the Site RRALs and reclamation requirements for soils above 4 feet bgs to demonstrate compliance. All final confirmation soil samples (floor and sidewall) were below applicable cleanup levels for chloride, TPH and BTEX. The results of the May 2023 confirmation sampling event are summarized in Table 2. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix G. The total remediated area encompassed a surface area of approximately 1,800 square ft. The impacted surface area at the site was remediated to meet the standards of Table I of 19.15.29.12 NMAC.

RECLAMATION ACTIVITIES

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. The backfilled areas were seeded in May 2023 to aid in revegetation. Based on the location of the Site, the BLM seed mixture for LPC Sand/Shinnery Sites (Appendix H) was used for seeding and planted in the amount specified in the pounds pure live seed per acre. Photographic documentation of the excavated areas prior to and immediately following placement of backfill and seeding are provided in Appendix D.

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.

CONCLUSION

ConocoPhillips has completed remediation at the release site. This final closure report has been submitted within 90 days of discovery of the release. This final closure report details the release characterization and remediation activities and the results of the confirmation sampling. ConocoPhillips respectfully requests closure of the incident based on the confirmation sampling results and remedial 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) 338-2861.

Sincerely,

Tetra Tech, Inc.

Christian M. Llull, P.G. Program Manager

CC:

Mr. Jacob Laird, GPBU - ConocoPhillips

Ms. Shelly Taylor, BLM

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ConocoPhillips

LIST OF ATTACHMENTS

Figures:

- Figure 1 Overview Map
- Figure 2 Site Location/Topographic Map
- Figure 3 Approximate Release Extent and Initial Response
- Figure 4 Site Assessment
- Figure 5 Remedial Activities and Confirmation Sampling

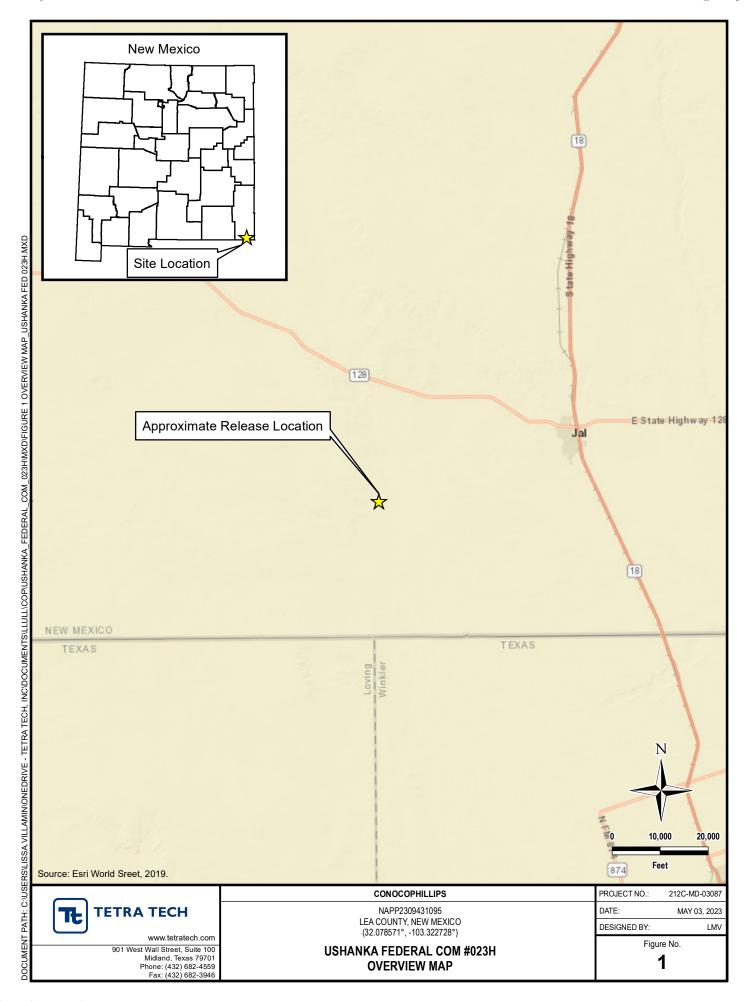
Tables:

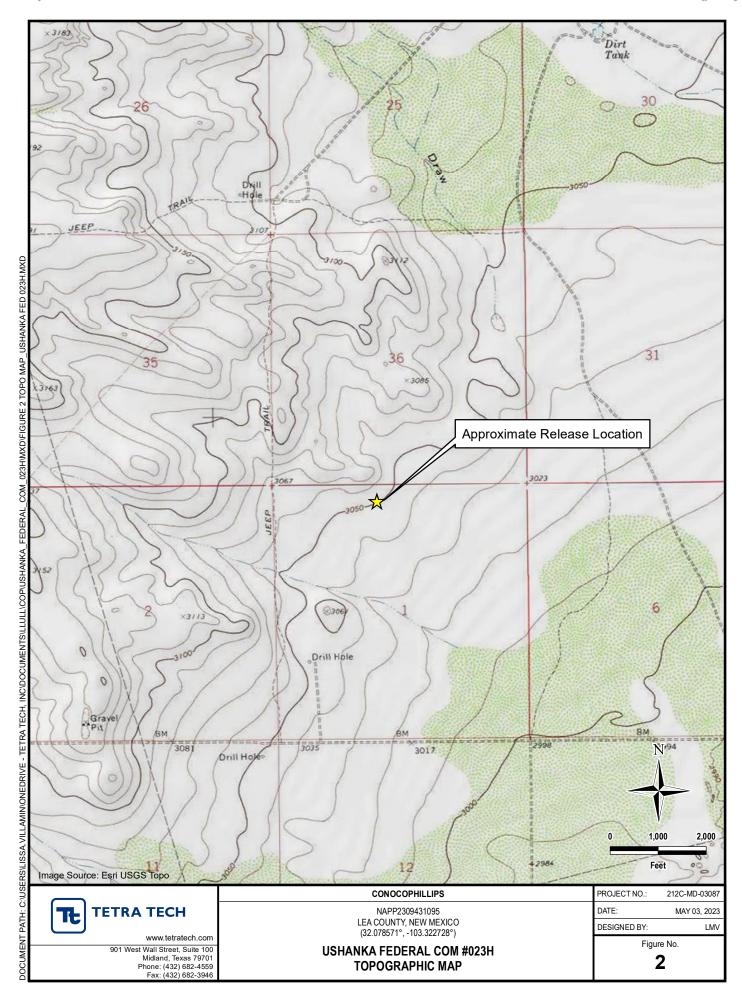
- Table 1 Summary of Analytical Results Soil Assessment
- Table 2 Summary of Analytical Results Confirmation Sampling

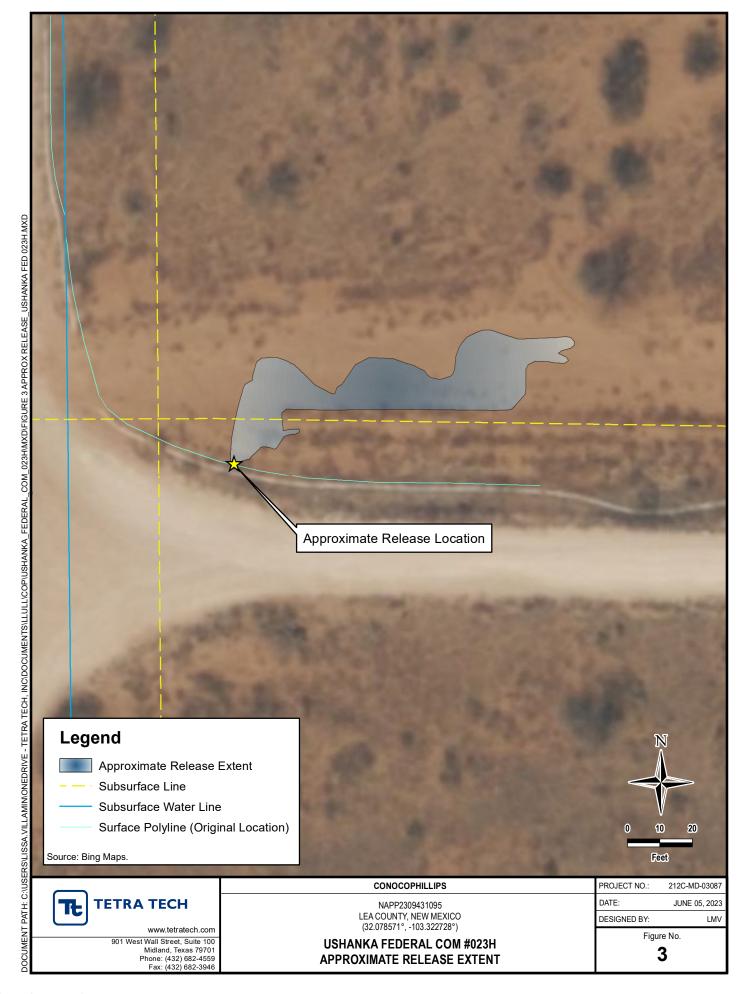
Appendices:

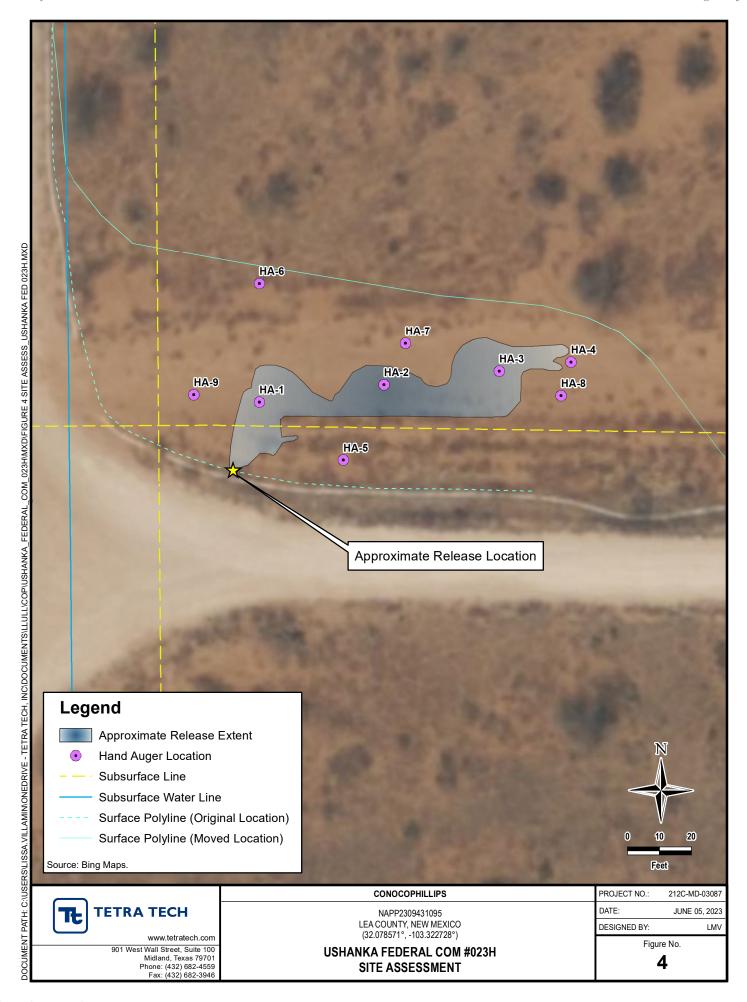
- Appendix A C-141 Forms
- Appendix B Regulatory Correspondence
- Appendix C Site Characterization Data
- Appendix D Photographic Documentation
- Appendix E Analytical Laboratory Data Assessment
- Appendix F Waste Manifests
- Appendix G Analytical Laboratory Data Remediation
- Appendix H BLM Seed Mix

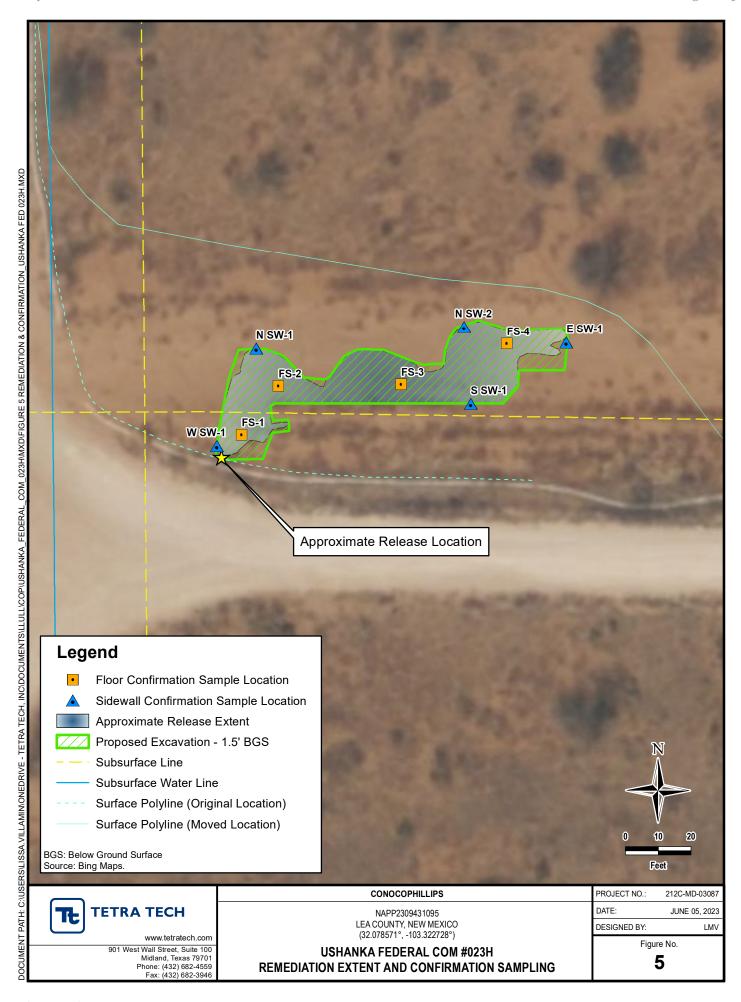
FIGURES











TABLES

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TABLE 1

SUMMARY OF ANALYTICAL RESULTS

SOIL ASSESSMENT- NAPP2309431095

CONOCOPHILLIPS

USHANKA FEDERAL COM 23H FLOWLINE RELEASE

LEA COUNTY, NM

									ВТЕХ	2								TI	PH ³		•
Sample ID Sa	Sample Date	Sample Depth	Chloride ¹		Benzene		Toluen	10	Ethylben	7000	Total Xyle	nnos	Total B1	rev	GRO		DRO		EXT DE	RO	Total TPH
	Sample Date					Denzene		Totalene		,		Total Aylenes		TOTAL		10	> C ₁₀ - C ₂₈		> C ₂₈ - C ₃₆		(GRO+DRO+EXT DRO)
		ft. bgs	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
		0-1	1,870		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		13.2		<10.0		13.2
HA-1	4/26/2023	2-3	448		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		14.7		<10.0		14.7
116.1	4/20/2023	3-4	176		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
		4-5	192		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
		0-1	592		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
HA-2 4/26/2023	4/26/2023	2-3	160		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
		3-4	96.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
		0-1	2,680		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		37.5		<10.0		37.5
HA-3	4/26/2023	2-3	96.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
		3-4	528		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
HA-4	4/26/2023	0-1	<16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
HA-5	4/26/2023	0-1	<16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
HA-6	4/26/2023	0-1	<16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
HA-7	4/26/2023	0-1	96.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
HA-8	4/26/2023	0-1	80.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
HA-9	4/26/2023	0-1	64.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-

NOTES:

t. Fee

gs Below ground surface

mg/kg Milligrams per kilogram

TPH Total Petroleum Hydrocarbons

GRO Gasoline range organics

DRO Diesel range organics

1 Method SM4500Cl-B

2 Method 8021B

3 Method 8015M

Bold and italicized values indicate exceedance of proposed RRALs and Reclamation Requirements.

Shaded rows indicate intervals removed during remedial activities.

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TABLE 2 SUMMARY OF ANALYTICAL RESULTS CONFIRMATION SAMPLING - NAPP2309431095 CONOCOPHILLIPS USHANKA FEDERAL COM 23H FLOWLINE RELEASE

HANKA FEDERAL COM 23H FLOWLINE RELEASE LEA COUNTY, NM

						BTEX ²									TPH ³						
Sample ID	Sample Date	Sample Depth	Chloride ¹		Benzene		Toluene		Ethylbenzene		Total Xylenes		Total BTEX		GRO		DRO		EXT DRO		Total TPH
Sample 1D	Sample Date				Delizei	ic	Toluei	Toluene		Total Aylelles Total BTEX		C ₆ - C ₁₀		> C ₁₀ - C ₂₈		> C ₂₈ - C ₃₆		(GRO+DRO+EXT DRO)			
		ft. bgs	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg
NSW-1	5/22/2023	-	16		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
NSW-2	5/22/2023	-	112		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
ESW-1	5/22/2023	-	32		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
SSW-1	5/22/2023	-	64.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
WSW-1	5/22/2023	-	64.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-1	5/22/2023	1.5	80.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-2	5/22/2023	1.5	64.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-3	5/22/2023	1.5	64.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-4	5/22/2023	1.5	48.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-

NOTES:

ft. Feet

bgs Below ground surface

mg/kg Milligrams per kilogram

TPH Total Petroleum Hydrocarbons

GRO Gasoline range organics

DRO Diesel range organics

1 Method SM4500Cl-B

2 Method 8021B

3 Method 8015M

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	NAPP2309431095
District RP	
Facility ID	fAPP2203453585
Application ID	

Release Notification

Responsible Party

Responsible	Party	COG Opera	iting, LLC		OGRID		217817			
Contact Nam	ne	Jacob La	ird		Contact Tel	lephone	(575) 703	-5482		
Contact ema	il	Jacob.Laird@	©ConocoPhillip	os.com	Incident # ((assigned by OCD)	NAPP230	9431095		
Contact mail	ing address	600 West III	inois Avenue,	Midlar	nd, Texas 7	79701				
			<u> </u>		<u>·</u>					
			Location	of R	elease So	urce				
Latitude	32.078	35			Longitude	-103.3	226			
			(NAD 83 in de		grees to 5 decim	al places)				
Site Name		Ushanka Fe	deral Com (023H	Site Type	Flow	line			
Date Release Discovered March 26, 2023					API# (if applicable)					
		,		ı						
Unit Letter	Section	Township	Range		Count	.y				
С	01	26S	35E		Lea	a				
0 0	D ct		"1 .1 D D.: .4. /	(), (`		
Surface Owner	r: State	Federal Tr	ibal 🔛 Private ((Name: _)		
			Nature an	d Vol	ume of R	Release				
	36	(1 1 1	٠,~ ٠			. 1		
Crude Oi		(s) Released (Select all Volume Release	1 (1 1 1)	.7531	ons or specific j	Volume Recov		0		
Produced	Water	Volume Release	1.011.	7775		Volume Recov	vered (bbls)	0		
		Is the concentrate produced water >	ion of dissolved		in the	■ Yes □ No)			
Condensa	ite	Volume Release				Volume Recov	vered (bbls)			
Natural G	ias	Volume Release	d (Mcf)			Volume Recov	vered (Mcf)			

Cause of Release

Other (describe)

The release was caused by a hole in a flowline due to built up pressure.

Volume/Weight Released (provide units)

The release was off the pad.

Evaluation will be made of the site to determine if we may commence remediation immediately or delineate any possible impact from the release and we will present a remediation work plan to the NMOCD for approval prior to any significant remediation activities.

Volume/Weight Recovered (provide units)

Form C-141 Page 2

State of New Mexico Oil Conservation Division

Ng 02-15-5 550	(181/9 enional of haznala
Incident ID	NAPP2309431095
District RP	
Facility ID	fAPP2203453585
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☐ Yes ■ No	If YES, for what reason(s) does the respon						
If YES, was immediate n	otice given to the OCD? By whom? To wl	nom? When and by what means (phone, email, etc)?					
	Initial R	esponse					
The responsible	party must undertake the following actions immediated	y unless they could create a safety hazard that would result in injury					
	ease has been stopped.						
 The impacted area has been secured to protect human health and the environment. Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. 							
All free liquids and recoverable materials have been removed and managed appropriately.							
has begun, please attach	a narrative of actions to date. If remedial	emediation immediately after discovery of a release. If remediation efforts have been successfully completed or if the release occurred blease attach all information needed for closure evaluation.					
regulations all operators are public health or the environ failed to adequately investig addition, OCD acceptance o and/or regulations.	required to report and/or file certain release notinent. The acceptance of a C-141 report by the Cate and remediate contamination that pose a threfa C-141 report does not relieve the operator of	best of my knowledge and understand that pursuant to OCD rules and fications and perform corrective actions for releases which may endanger DCD does not relieve the operator of liability should their operations have at to groundwater, surface water, human health or the environment. In responsibility for compliance with any other federal, state, or local laws					
Printed Name Brittar	ny N. Esparza	Title: Environmental Technician					
Signature:	ny N. Esparza	Date: 4/4/2023 Telephone: (432) 221-0398					
email: Brittany.Espar	za@ConocoPhillips.com	Telephone: (432) 221-0398					
OCD Only							
Received by:Jocelyr	n Harimon	Date:04/04/2023					

Mapped Area (sq. ft.)	Average Depth (in.)	On/Off Pad	Percentage of Oil if Spilled Fluid is a Mixture (%.)	Soil Spilled-Fluid Saturation	Total Estimated Volume of Spill (bbl.)	Total Estimated Volume of Spilled Oil (bbl.)	NAPP2309431095 Total Estimated Volume of Spilled Liquid other than Oil (bbl.)
1690	2	Off-Pad V	10%	15.02%	7.5305	0.7531	6.7775

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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?	(ft bgs)				
Did this release impact groundwater or surface water?	☐ Yes ☐ No				
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☐ No				
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☐ No				
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☐ No				
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☐ No				
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☐ No				
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☐ No				
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☐ No				
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☐ No				
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☐ No				
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☐ No				
Did the release impact areas not on an exploration, development, production, or storage site?	☐ Yes ☐ No				
Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soi 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 well 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	ls.				

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.

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Facility ID	
Application ID	

I hereby certify that the information given above is true and complete to the regulations all operators are required to report and/or file certain release no public health or the environment. The acceptance of a C-141 report by the failed to adequately investigate and remediate contamination that pose a thr addition, OCD acceptance of a C-141 report does not relieve the operator o and/or regulations.	tifications and perform corrective actions for releases which may endanger OCD does not relieve the operator of liability should their operations have reat to groundwater, surface water, human health or the environment. In
Printed Name:	
Signature: Jacob Laird	Date:
email:	Telephone:
OCD Only	
Received by: Jocelyn Harimon	Date: <u>06/20/2023</u>

Received by OCD: 6/19/2023 8:56:48 AM
State of New Mexico
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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 19.15.29.1	1 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					
and regulations all operators are required to report and/or file certain may endanger public health or the environment. The acceptance of	ntions. The responsible party acknowledges they must substantially nditions that existed prior to the release or their final land use in				
Printed Name:	Title:				
Signature: <u>Jacob Laird</u>	Date:				
email:	Telephone:				
OCD Only					
Received by:	Date:06/20/2023				
	of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible or regulations.				
Closure Approved by: Nelson Velez	Date: 09/18/2023				
Printed Name: Nelson Velez	Title:Environmental Specialist - Adv				

APPENDIX B Regulatory Correspondence

Poole, Nicholas

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

Sent: Tuesday, May 23, 2023 9:15 AM

To: Poole, Nicholas

Cc: Bratcher, Michael, EMNRD; Velez, Nelson, EMNRD

Subject: RE: [EXTERNAL] Incident ID: NAPP2309431095- Confirmation Sampling

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

Nicholas.

Please be aware that notification requirements are **two business days**, per rule. You may proceed on your schedule. This, and all correspondence, should be included in the closure report to insure inclusion in the project file.

JH

Jocelyn Harimon • Environmental Specialist **Environmental Bureau EMNRD** - Oil Conservation Division 1220 South St. Francis Drive | Santa Fe, NM 87505 (505)469-2821 | Jocelyn.Harimon@emnrd.nm.gov

http://www.emnrd.nm.gov



From: Poole, Nicholas < NICHOLAS.POOLE@tetratech.com>

Sent: Monday, May 22, 2023 3:36 PM

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

Subject: [EXTERNAL] Incident ID: NAPP2309431095- Confirmation Sampling

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Incident ID (n#) NAPP2309431095 (Ushanka Federal Com 23H)

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 of the release will begin Tuesday, May 23, 2023.

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 of the release will be conducted at this site Wednesday afternoon, May 24, 2023.

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

Nicholas Poole | Staff Geoscientist

Mobile +1 (512) 560-9064 | nicholas.poole@tetratech.com

Tetra Tech | Leading with Science® | OGA

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

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Please consider the environment before printing. Read more



From: Taylor, Shelly J
To: Llull, Christian

Subject: Re: [EXTERNAL] PBU - Ushanka Federal Com 23H - Site Assessment and Hydrovac SOW

Date: Friday, May 05, 2023 1:15:47 PM

Attachments: image001.png

image002.png image003.png image004.png image005.png Outlook-ossek5c3.png

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

You are cleared to proceed with remedial activities. I will get you the PBPA cost for this site.

Sincerely,

Shelly J Taylor

Environmental Protection Specialist

Realty - Compliance

Bureau of Land Management/Carlsbad Field Office

620 E. Greene St Carlsbad, NM 88220 Direct 575.234.5706 Mobile 575.499.6831

sjtaylor@blm.gov

Spill/Release email: BLM_NM_CFO_REALTY_SPILL@BLM.GOV

PLEASE NOTE: I have a new email address: sjtaylor@blm.gov



From: Llull, Christian < Christian.Llull@tetratech.com>

Sent: Friday, May 5, 2023 11:24 AM **To:** Taylor, Shelly J <sjtaylor@blm.gov>

Subject: [EXTERNAL] PBU - Ushanka Federal Com 23H - Site Assessment and Hydrovac SOW

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

Shelly, can you clear this release site for remediation?

BACKGROUND

- According to the State of New Mexico C-141 Initial Report, on March 26, 2023 a release
 occurred as a result of a hole in a flowline due to built up pressure. The release consisted of
 approximately 0.7531 bbls of oil and 6.7775 bbls of produced water, of which none were
 recovered.
 - The release reportedly affected a 1690 square feet of pasture and pipeline right of way.
 - The NMOCD approved the initial C-141 on April 4, 2023 and subsequently assigned the release the Incident ID NAPP2309431095.

Christian

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

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APPENDIX C 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)

3 ,		/	`	•						5 / (,	`	,	
POD Number	Code	POD Sub-			Q 16	_	Sec	Tws	Rna	x	Y	Distance	-	-	Water Column
	0040												****	· · · · · ·	Oolalliii
CP 01170 POD1		CP	LE	3	3	3	06	26S	36E	659282	3548984 🌍	1701	500	280	220
CP 01170 POD1	С	CP	LE	3	3	3	06	26S	36E	659282	3548984	1701	500	280	220
<u> </u>	•	•		Ū	Ū	Ŭ	•			000202	00.000.		000	_00	
CD 04000 DOD0		CD		4	4	2	00	200	205	000000	25 40720	4050	E40	040	070
CP 01263 POD3		CP	LE	4	1	3	Uб	205	36E	660038	3549729 🌍	1852	516	240	276
					_										
CP 01920 POD1		CP	LE	4	3	4	31	25S	36E	660282	3550531 🌍	1985	101		
											_				
CP 01267 POD1		CP	LE	3	4	3	06	26S	36E	659759	3548807	2140	585	200	385
CP 01267 POD1		CP	LE	3	4	3	06	265	36E	659759	3548807	2140	585	200	385

Average Depth to Water: 250 feet

Minimum Depth: 200 feet

Maximum Depth: 280 feet

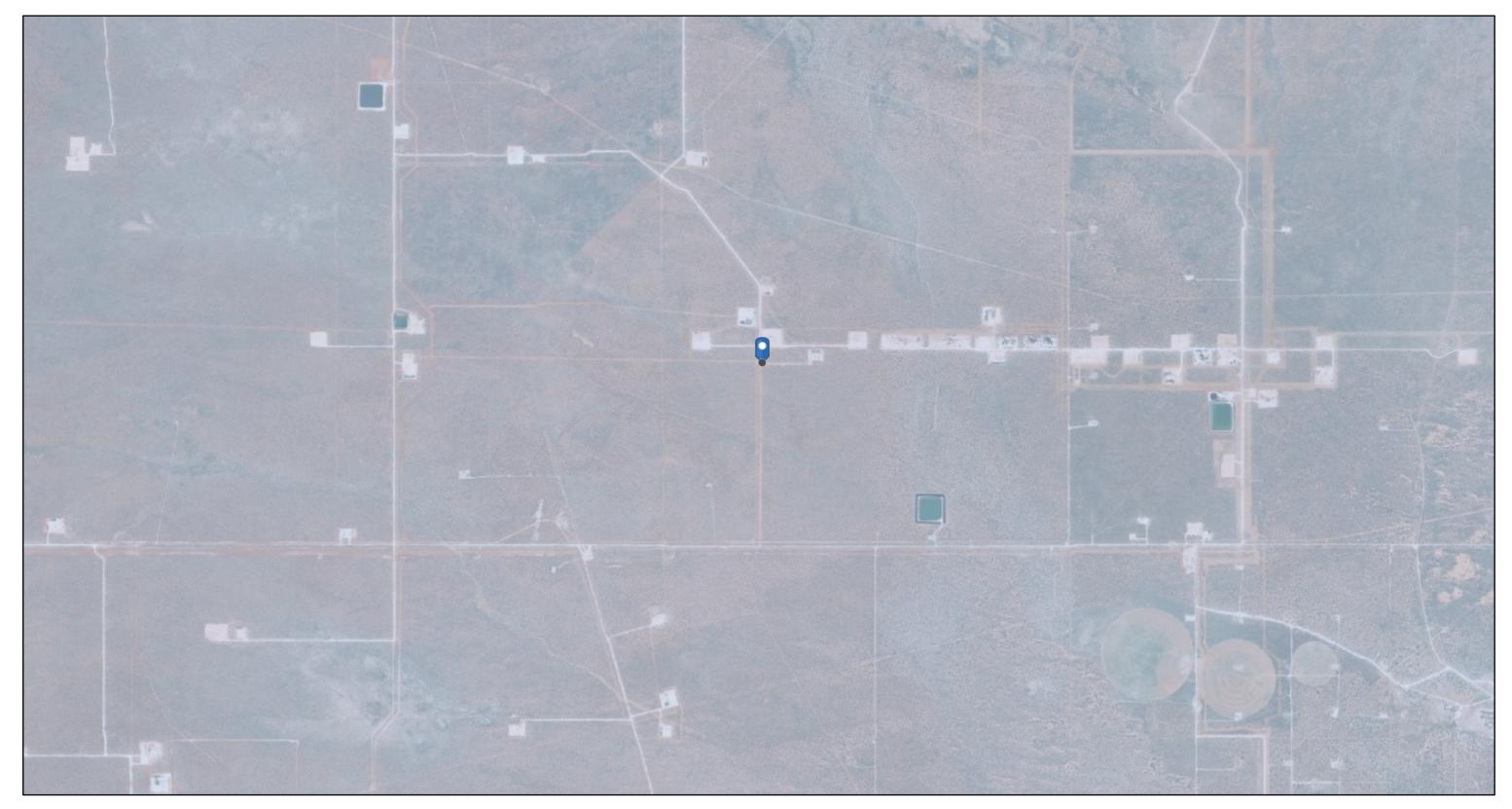
Record Count: 5

UTMNAD83 Radius Search (in meters):

Easting (X): 658301.96 **Northing (Y):** 3550375.55 **Radius:** 2400

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.

OCD Karst Potential Map



4/18/2023, 8:36:36 AM

Karst Occurrence Potential

Low

1:36,112 0 0.38 0.75 1.5 mi 0 0.5 1 2 km

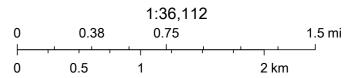
BLM, OCD, New Mexico Tech, Esri, HERE, Garmin, Maxar

OCD Waterbodies Map



4/18/2023, 8:48:52 AM

OSE Streams



Esri, HERE, Garmin, Maxar, NM OSE

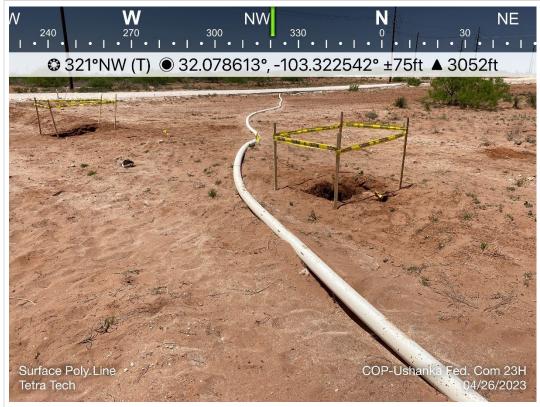
APPENDIX D Photographic Documentation



TETRA TECH, INC.	DESCRIPTION	Facing east. Spill release and extent.	1
PROJECT NO. 212C-MD-03087	SITE NAME	Ushanka Federal Com 23H Flowline Release	3/26/2023



TETRA TECH, INC. PROJECT NO. 212C-MD-03087	DESCRIPTION	Facing north. Spill release and extent.	2
	SITE NAME	Ushanka Federal Com 23H Flowline Release	4/26/23



TETRA TECH, INC.	DESCRIPTION	View northwest. Release extent, surface flowline, and daylighting Plains subsurface line.	3
PROJECT NO. 212C-MD-03087	SITE NAME	Ushanka Federal Com 23H Flowline Release	4/26/2023



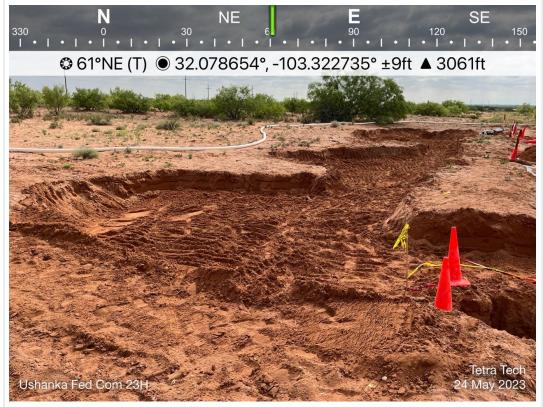
TETRA TECH, INC.	DESCRIPTION	View east. Plains subsurface line extending east-west through the release extent.	4
PROJECT NO. 212C-MD-03087	SITE NAME	Ushanka Federal Com 23H Flowline Release	4/26/23



TETRA TECH, INC.	DESCRIPTION	View north. Solaris subsurface line located west of the release extent.	5
PROJECT NO. 212C-MD-03087	SITE NAME	Ushanka Federal Com 23H Flowline Release	4/26/2023



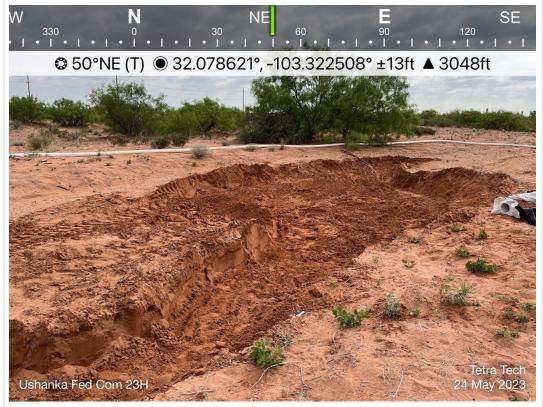
TETRA TECH, INC. PROJECT NO. 212C-MD-03087	DESCRIPTION	View west. Hand auger sampling during assessment.	6
	SITE NAME	Ushanka Federal Com 23H Flowline Release	4/26/2023



TETRA TECH, INC.	DESCRIPTION	View east. Excavated area, 1.5 ft bgs.	7
PROJECT NO. 212C-MD-03087	SITE NAME	Ushanka Federal Com 23H Flowline Release	5/24/2023



TETRA TECH, INC. PROJECT NO.	DESCRIPTION	View east. Excavated area, 1.5 ft bgs.	8
212C-MD-03087	SITE NAME	Ushanka Federal Com 23H Flowline Release	5/24/2023



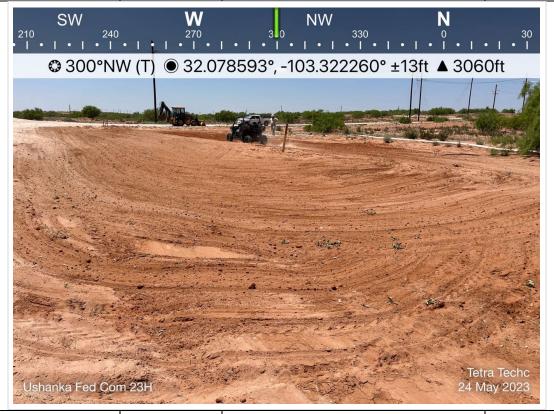
TETRA TECH, INC. PROJECT NO.	DESCRIPTION	View northeast. Excavated area, 1.5 ft bgs.	9
212C-MD-03087	SITE NAME	Ushanka Federal Com 23H Flowline Release	5/24/2023



TETRA TECH, INC. PROJECT NO. 212C-MD-03087	DESCRIPTION	View east. Backfill activities following excavation.	10
	SITE NAME	Ushanka Federal Com 23H Flowline Release	5/24/202



TETRA TECH, INC. PROJECT NO. 212C-MD-03087	DESCRIPTION	View southwest. Seeding activities following backfill.	11
	SITE NAME	Ushanka Federal Com 23H Flowline Release	5/24/2023



TETRA TECH, INC. PROJECT NO. 212C-MD-03087	DESCRIPTION	View west. Seeding activities following backfill.	12
	SITE NAME	Ushanka Federal Com 23H Flowline Release	5/24/2023

APPENDIX E Analytical Laboratory Data – Assessment



May 02, 2023

CHRISTIAN LLULL
TETRA TECH
901 WEST WALL STREET , STE 100
MIDLAND, TX 79701

RE: USHANKA FED. COM 23H

Enclosed are the results of analyses for samples received by the laboratory on 04/27/23 12:42.

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

Cardinal Laboratories is accreditated 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.

Celey D. Keine

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,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

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

Received: 04/27/2023 Sampling Date: 04/26/2023 Reported: 05/02/2023 Sampling Type: Soil

Project Name: USHANKA FED. COM 23H Sampling Condition: Cool & Intact
Project Number: 212C - MD - 03087 Sample Received By: Tamara Oldaker

A I J D. ... 711

Project Location: COP - LEA CO NM

Sample ID: HA - 1 (0-1') (H232071-01)

BTEX 8021B	mg,	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/28/2023	ND	1.68	84.1	2.00	16.0	
Toluene*	<0.050	0.050	04/28/2023	ND	1.92	95.9	2.00	15.5	
Ethylbenzene*	<0.050	0.050	04/28/2023	ND	2.18	109	2.00	14.4	
Total Xylenes*	<0.150	0.150	04/28/2023	ND	6.47	108	6.00	15.9	
Total BTEX	<0.300	0.300	04/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	122	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1870	16.0	04/28/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2023	ND	191	95.3	200	2.29	
DRO >C10-C28*	13.2	10.0	04/28/2023	ND	172	86.0	200	0.298	
EXT DRO >C28-C36	<10.0	10.0	04/28/2023	ND					
Surrogate: 1-Chlorooctane	91.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.0	% 49.1-14	8						

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Celey & Keene



Analytical Results For:

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

Received: 04/27/2023 Sampling Date: 04/26/2023

Reported: 05/02/2023 Sampling Type: Soil

Project Name: USHANKA FED. COM 23H Sampling Condition: Cool & Intact Sample Received By: Project Number: 212C - MD - 03087 Tamara Oldaker

Project Location: COP - LEA CO NM

Sample ID: HA - 1 (2'-3') (H232071-02)

BTEX 8021B	mg/	'kg	Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/28/2023	ND	1.68	84.1	2.00	16.0	
Toluene*	<0.050	0.050	04/28/2023	ND	1.92	95.9	2.00	15.5	
Ethylbenzene*	<0.050	0.050	04/28/2023	ND	2.18	109	2.00	14.4	
Total Xylenes*	<0.150	0.150	04/28/2023	ND	6.47	108	6.00	15.9	
Total BTEX	<0.300	0.300	04/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	117 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	04/28/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2023	ND	191	95.3	200	2.29	
DRO >C10-C28*	14.7	10.0	04/28/2023	ND	172	86.0	200	0.298	
EXT DRO >C28-C36	<10.0	10.0	04/28/2023	ND					
Surrogate: 1-Chlorooctane	97.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

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

Received: 04/27/2023 Sampling Date: 04/26/2023

Reported: 05/02/2023 Sampling Type: Soil

Project Name: USHANKA FED. COM 23H Sampling Condition: Cool & Intact
Project Number: 212C - MD - 03087 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COP - LEA CO NM

Sample ID: HA - 1 (3'-4') (H232071-03)

BTEX 8021B

DILX GOZID	ıııg,	, kg	Allulyzo	.u by. 511					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/28/2023	ND	1.68	84.1	2.00	16.0	
Toluene*	<0.050	0.050	04/28/2023	ND	1.92	95.9	2.00	15.5	
Ethylbenzene*	<0.050	0.050	04/28/2023	ND	2.18	109	2.00	14.4	
Total Xylenes*	<0.150	0.150	04/28/2023	ND	6.47	108	6.00	15.9	
Total BTEX	<0.300	0.300	04/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	115	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	04/28/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2023	ND	167	83.4	200	21.7	
DRO >C10-C28*	<10.0	10.0	04/28/2023	ND	166	82.8	200	23.1	
EXT DRO >C28-C36	<10.0	10.0	04/28/2023	ND					
Surrogate: 1-Chlorooctane	91.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.6	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

Received: 04/27/2023 Sampling Date: 04/26/2023

Reported: 05/02/2023 Sampling Type: Soil

Project Name: USHANKA FED. COM 23H Sampling Condition: Cool & Intact Project Number: Sample Received By: 212C - MD - 03087 Tamara Oldaker

Project Location: COP - LEA CO NM

Sample ID: HA - 1 (4'-5') (H232071-04)

BTEX 8021B	mg,	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/28/2023	ND	1.68	84.1	2.00	16.0	
Toluene*	<0.050	0.050	04/28/2023	ND	1.92	95.9	2.00	15.5	
Ethylbenzene*	<0.050	0.050	04/28/2023	ND	2.18	109	2.00	14.4	
Total Xylenes*	<0.150	0.150	04/28/2023	ND	6.47	108	6.00	15.9	
Total BTEX	<0.300	0.300	04/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	04/28/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2023	ND	167	83.4	200	21.7	
DRO >C10-C28*	<10.0	10.0	04/28/2023	ND	166	82.8	200	23.1	
EXT DRO >C28-C36	<10.0	10.0	04/28/2023	ND					
Surrogate: 1-Chlorooctane	131	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	127	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

Received: 04/27/2023 Sampling Date: 04/26/2023

Reported: 05/02/2023 Sampling Type: Soil

Project Name: USHANKA FED. COM 23H Sampling Condition: Cool & Intact Project Number: Sample Received By: 212C - MD - 03087 Tamara Oldaker

Project Location: COP - LEA CO NM

Sample ID: HA - 2 (0-1') (H232071-05)

BTEX 8021B	mg,	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/29/2023	ND	1.68	84.1	2.00	16.0	
Toluene*	<0.050	0.050	04/29/2023	ND	1.92	95.9	2.00	15.5	
Ethylbenzene*	<0.050	0.050	04/29/2023	ND	2.18	109	2.00	14.4	
Total Xylenes*	<0.150	0.150	04/29/2023	ND	6.47	108	6.00	15.9	
Total BTEX	<0.300	0.300	04/29/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	122	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	592	16.0	04/28/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2023	ND	167	83.4	200	21.7	
DRO >C10-C28*	<10.0	10.0	04/28/2023	ND	166	82.8	200	23.1	
EXT DRO >C28-C36	<10.0	10.0	04/28/2023	ND					
Surrogate: 1-Chlorooctane	102	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.6	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

Received: 04/27/2023 Sampling Date: 04/26/2023

Reported: 05/02/2023 Sampling Type: Soil

Project Name: USHANKA FED. COM 23H Sampling Condition: Cool & Intact
Project Number: 212C - MD - 03087 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COP - LEA CO NM

Sample ID: HA - 2 (2'-3') (H232071-06)

BTEX 8021B

	9,	9	7	7: 5::					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/29/2023	ND	1.68	84.1	2.00	16.0	
Toluene*	<0.050	0.050	04/29/2023	ND	1.92	95.9	2.00	15.5	
Ethylbenzene*	<0.050	0.050	04/29/2023	ND	2.18	109	2.00	14.4	
Total Xylenes*	<0.150	0.150	04/29/2023	ND	6.47	108	6.00	15.9	
Total BTEX	<0.300	0.300	04/29/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	115	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	04/28/2023	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2023	ND	167	83.4	200	21.7	
DRO >C10-C28*	<10.0	10.0	04/28/2023	ND	166	82.8	200	23.1	
EXT DRO >C28-C36	<10.0	10.0	04/28/2023	ND					
Surrogate: 1-Chlorooctane	122	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	119	% 49.1-14	8						

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Analytical Results For:

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

Received: 04/27/2023 Sampling Date: 04/26/2023

Reported: 05/02/2023 Sampling Type: Soil

Project Name: USHANKA FED. COM 23H Sampling Condition: Cool & Intact
Project Number: 212C - MD - 03087 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COP - LEA CO NM

Sample ID: HA - 2 (3'-4') (H232071-07)

BTEX 8021B

DIEX GOZID	ıııg,	ng .	Alldiyzo	.u by. 511					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/29/2023	ND	1.68	84.1	2.00	16.0	
Toluene*	<0.050	0.050	04/29/2023	ND	1.92	95.9	2.00	15.5	
Ethylbenzene*	<0.050	0.050	04/29/2023	ND	2.18	109	2.00	14.4	
Total Xylenes*	<0.150	0.150	04/29/2023	ND	6.47	108	6.00	15.9	
Total BTEX	<0.300	0.300	04/29/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	123 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	04/28/2023	ND	432	108	400	3.77	
TPH 8015M	mg/	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2023	ND	167	83.4	200	21.7	
DRO >C10-C28*	<10.0	10.0	04/28/2023	ND	166	82.8	200	23.1	
EXT DRO >C28-C36	<10.0	10.0	04/28/2023	ND					
Surrogate: 1-Chlorooctane	125 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	123 9	% 49.1-14	8						

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Analytical Results For:

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

Received: 04/27/2023 Sampling Date: 04/26/2023

Reported: 05/02/2023 Sampling Type: Soil

Project Name: USHANKA FED. COM 23H Sampling Condition: Cool & Intact Project Number: 212C - MD - 03087 Sample Received By: Tamara Oldaker

Project Location: COP - LEA CO NM

Sample ID: HA - 3 (0-1') (H232071-08)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/29/2023	ND	1.68	84.1	2.00	16.0	
Toluene*	<0.050	0.050	04/29/2023	ND	1.92	95.9	2.00	15.5	
Ethylbenzene*	<0.050	0.050	04/29/2023	ND	2.18	109	2.00	14.4	
Total Xylenes*	<0.150	0.150	04/29/2023	ND	6.47	108	6.00	15.9	
Total BTEX	<0.300	0.300	04/29/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	123 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2680	16.0	04/28/2023	ND	432	108	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2023	ND	167	83.4	200	21.7	
DRO >C10-C28*	37.5	10.0	04/28/2023	ND	166	82.8	200	23.1	
EXT DRO >C28-C36	<10.0	10.0	04/28/2023	ND					
Surrogate: 1-Chlorooctane	127 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	128 9	% 49.1-14	8						

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Analytical Results For:

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

Received: 04/27/2023 Sampling Date: 04/26/2023

Reported: 05/02/2023 Sampling Type: Soil

Project Name: USHANKA FED. COM 23H Sampling Condition: Cool & Intact
Project Number: 212C - MD - 03087 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COP - LEA CO NM

Sample ID: HA - 3 (2'-3') (H232071-09)

BTEX 8021B

	9/	9	7	7: 5::					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/29/2023	ND	1.68	84.1	2.00	16.0	
Toluene*	<0.050	0.050	04/29/2023	ND	1.92	95.9	2.00	15.5	
Ethylbenzene*	<0.050	0.050	04/29/2023	ND	2.18	109	2.00	14.4	
Total Xylenes*	<0.150	0.150	04/29/2023	ND	6.47	108	6.00	15.9	
Total BTEX	<0.300	0.300	04/29/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	119	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	04/28/2023	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2023	ND	167	83.4	200	21.7	
DRO >C10-C28*	<10.0	10.0	04/28/2023	ND	166	82.8	200	23.1	
EXT DRO >C28-C36	<10.0	10.0	04/28/2023	ND					
Surrogate: 1-Chlorooctane	118 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	116	% 49.1-14	8						

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Analytical Results For:

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

Received: 04/27/2023 Sampling Date: 04/26/2023

Reported: 05/02/2023 Sampling Type: Soil

Project Name: USHANKA FED. COM 23H Sampling Condition: Cool & Intact Project Number: Sample Received By: 212C - MD - 03087 Tamara Oldaker

Project Location: COP - LEA CO NM

Sample ID: HA - 3 (3'-4') (H232071-10)

BTEX 8021B	mg	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/29/2023	ND	1.68	84.1	2.00	16.0	
Toluene*	<0.050	0.050	04/29/2023	ND	1.92	95.9	2.00	15.5	
Ethylbenzene*	<0.050	0.050	04/29/2023	ND	2.18	109	2.00	14.4	
Total Xylenes*	<0.150	0.150	04/29/2023	ND	6.47	108	6.00	15.9	
Total BTEX	<0.300	0.300	04/29/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	122	% 71.5-13	4						
Chloride, SM4500CI-B	mg	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	528	16.0	04/28/2023	ND	432	108	400	3.77	
TPH 8015M	mg	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2023	ND	167	83.4	200	21.7	
DRO >C10-C28*	<10.0	10.0	04/28/2023	ND	166	82.8	200	23.1	
EXT DRO >C28-C36	<10.0	10.0	04/28/2023	ND					
Surrogate: 1-Chlorooctane	93.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.5	% 49.1-14	8						

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Analytical Results For:

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

Received: 04/27/2023 Sampling Date: 04/26/2023

Reported: 05/02/2023 Sampling Type: Soil

Project Name: USHANKA FED. COM 23H Sampling Condition: Cool & Intact
Project Number: 212C - MD - 03087 Sample Received By: Tamara Oldaker

Project Location: COP - LEA CO NM

Sample ID: HA - 4 (0-1') (H232071-11)

BTEX 8021B	mg,	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/29/2023	ND	1.90	95.1	2.00	11.0	
Toluene*	<0.050	0.050	04/29/2023	ND	2.20	110	2.00	10.6	
Ethylbenzene*	<0.050	0.050	04/29/2023	ND	2.55	128	2.00	11.7	
Total Xylenes*	<0.150	0.150	04/29/2023	ND	7.77	129	6.00	11.5	
Total BTEX	<0.300	0.300	04/29/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	133	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/28/2023	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2023	ND	167	83.4	200	21.7	
DRO >C10-C28*	<10.0	10.0	04/28/2023	ND	166	82.8	200	23.1	
EXT DRO >C28-C36	<10.0	10.0	04/28/2023	ND					
Surrogate: 1-Chlorooctane	104	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101	% 49.1-14	8						

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S-04



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

Analytical Results For:

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

Received: 04/27/2023 Sampling Date: 04/26/2023

Reported: 05/02/2023 Sampling Type: Soil

Project Name: USHANKA FED. COM 23H Sampling Condition: Cool & Intact
Project Number: 212C - MD - 03087 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COP - LEA CO NM

Sample ID: HA - 5 (0-1') (H232071-12)

BTEX 8021B

DILXOULID	iiig/	Ng .	Allulyzo	u Dy. 311					J 04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/29/2023	ND	1.90	95.1	2.00	11.0	
Toluene*	<0.050	0.050	04/29/2023	ND	2.20	110	2.00	10.6	
Ethylbenzene*	<0.050	0.050	04/29/2023	ND	2.55	128	2.00	11.7	
Total Xylenes*	<0.150	0.150	04/29/2023	ND	7.77	129	6.00	11.5	
Total BTEX	<0.300	0.300	04/29/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	141	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/28/2023	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2023	ND	167	83.4	200	21.7	
DRO >C10-C28*	<10.0	10.0	04/28/2023	ND	166	82.8	200	23.1	
EXT DRO >C28-C36	<10.0	10.0	04/28/2023	ND					
Surrogate: 1-Chlorooctane	123	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	119	% 49.1-14	8						

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S-04



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

Analytical Results For:

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

Received: 04/27/2023 Sampling Date: 04/26/2023

Reported: 05/02/2023 Sampling Type: Soil

Project Name: USHANKA FED. COM 23H Sampling Condition: Cool & Intact
Project Number: 212C - MD - 03087 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COP - LEA CO NM

Sample ID: HA - 6 (0-1') (H232071-13)

BTEX 8021B

DILKOULID	mg/	Ng .	Allulyzo	a by. 511					J 04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/29/2023	ND	1.90	95.1	2.00	11.0	
Toluene*	<0.050	0.050	04/29/2023	ND	2.20	110	2.00	10.6	
Ethylbenzene*	<0.050	0.050	04/29/2023	ND	2.55	128	2.00	11.7	
Total Xylenes*	<0.150	0.150	04/29/2023	ND	7.77	129	6.00	11.5	
Total BTEX	<0.300	0.300	04/29/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	140	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/28/2023	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2023	ND	167	83.4	200	21.7	
DRO >C10-C28*	<10.0	10.0	04/28/2023	ND	166	82.8	200	23.1	
EXT DRO >C28-C36	<10.0	10.0	04/28/2023	ND					
Surrogate: 1-Chlorooctane	123	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	118 9	% 49.1-14	8						

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Analytical Results For:

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

Received: 04/27/2023 Sampling Date: 04/26/2023

Reported: 05/02/2023 Sampling Type: Soil

Project Name: USHANKA FED. COM 23H Sampling Condition: Cool & Intact Project Number: 212C - MD - 03087 Sample Received By: Tamara Oldaker

Project Location: COP - LEA CO NM

Sample ID: HA - 7 (0-1') (H232071-14)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/29/2023	ND	1.90	95.1	2.00	11.0	
Toluene*	<0.050	0.050	04/29/2023	ND	2.20	110	2.00	10.6	
Ethylbenzene*	<0.050	0.050	04/29/2023	ND	2.55	128	2.00	11.7	
Total Xylenes*	<0.150	0.150	04/29/2023	ND	7.77	129	6.00	11.5	
Total BTEX	<0.300	0.300	04/29/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	130	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	04/28/2023	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2023	ND	167	83.4	200	21.7	
DRO >C10-C28*	<10.0	10.0	04/28/2023	ND	166	82.8	200	23.1	
EXT DRO >C28-C36	<10.0	10.0	04/28/2023	ND					
Surrogate: 1-Chlorooctane	110 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	106	% 49.1-14	8						

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Analytical Results For:

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

Received: 04/27/2023 Sampling Date: 04/26/2023

Reported: 05/02/2023 Sampling Type: Soil

Project Name: USHANKA FED. COM 23H Sampling Condition: Cool & Intact
Project Number: 212C - MD - 03087 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: COP - LEA CO NM

Sample ID: HA - 8 (0-1') (H232071-15)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/29/2023	ND	1.90	95.1	2.00	11.0	
Toluene*	<0.050	0.050	04/29/2023	ND	2.20	110	2.00	10.6	
Ethylbenzene*	<0.050	0.050	04/29/2023	ND	2.55	128	2.00	11.7	
Total Xylenes*	<0.150	0.150	04/29/2023	ND	7.77	129	6.00	11.5	
Total BTEX	<0.300	0.300	04/29/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	133	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	04/28/2023	ND	432	108	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2023	ND	167	83.4	200	21.7	
DRO >C10-C28*	<10.0	10.0	04/28/2023	ND	166	82.8	200	23.1	
EXT DRO >C28-C36	<10.0	10.0	04/28/2023	ND					
Surrogate: 1-Chlorooctane	107	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

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C-04



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

Analytical Results For:

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

Received: 04/27/2023 Sampling Date: 04/26/2023

Reported: 05/02/2023 Sampling Type: Soil

Project Name: USHANKA FED. COM 23H Sampling Condition: Cool & Intact
Project Number: 212C - MD - 03087 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: COP - LEA CO NM

Sample ID: HA - 9 (0-1') (H232071-16)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					5-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/29/2023	ND	1.90	95.1	2.00	11.0	
Toluene*	<0.050	0.050	04/29/2023	ND	2.20	110	2.00	10.6	
Ethylbenzene*	<0.050	0.050	04/29/2023	ND	2.55	128	2.00	11.7	
Total Xylenes*	<0.150	0.150	04/29/2023	ND	7.77	129	6.00	11.5	
Total BTEX	<0.300	0.300	04/29/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	136	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	04/28/2023	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2023	ND	167	83.4	200	21.7	
DRO >C10-C28*	<10.0	10.0	04/28/2023	ND	166	82.8	200	23.1	
EXT DRO >C28-C36	<10.0	10.0	04/28/2023	ND					
Surrogate: 1-Chlorooctane	111 5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	106	% 49.1-14	8						

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S-04



Insufficient time to reach temperature.

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

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.

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

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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Received by OCD: 6/19/2023 8:56:48 AM



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, (575) 393-2326 F						問題			li li li li											
Company Name: Tetra Tech						T		BILL TO	,				ANA	LYSIS	REQUE	ST				
Project Manager: Christian Llull						P.0). #:			T	T	Т	1	T		<u> </u>	_	_	_	_
Address: 8911 Capital o Texas Hwy, Suite 2310	0					Cor	mpany:	Tetra Tech		1										
City: Austin	State: TX	Zip	:			Attr	n: Chris	stian Llull		1										
Phone #: (512)565-0190 Fax #:						Add	ress: E	EMAIL		-				1 1						
Project #: 212C-MD-03087 Project	Owner:			Conoco	Phillin					-					- 1					
Project Name: Ushanka Fed. Com 23H				COHOCO	minp	Stat		Zip:		-										
Project Location: Lea County, New Mexico						_	ne #:	Lip.		-		1 =								
Sampler Name: Colton Bickerstaff		_				Fax				-		2								
FOR LAB USE ONLY			_	м	ATRIX		#:	V CAN	IPLING	-		SM4500CI-B								
Lab I.D.		۵.		TT.	TT	T	KESEK	v. SAN	IFLING	1=	B	4 <u>M</u>								
Sample I.D.	*	(G)RAB OR (C)OMP	# CONTAINERS	MASTEWATER	OIL	OTHER:	ICE / COOL	 		H 8015M	BTEX 8021B	Chloride SI		i						
10 000 /		(6)	# CG	WAS		F	SE SE	DATE	TIME	ТРН	BI	S P								
/ HA-1 (0-1')		G	1	X			X	4/26/2023		X	X	X			+	+	+	+	+	+
Z HA-1 (2'-3')		G	1	X			X	4/26/2023		X	X	X			\top	+	+	+	+	+
3 HA-1 (3'-4')		G	1	X			X	4/26/2023		X	X	X			\neg		+	+	+	+
4 HA-1 (4'-5')		G	1	X			X	4/26/2023		X	X	X				\top		\top	+	\forall
HA-2 (0-1')		G	1	X			X	4/26/2023		X	X	X								\forall
HA-2 (2'-3')		G	1	X	-		X	4/26/2023		X	X	X								
7 HA-2 (3'-4')		G	1	X	-	Ш	X	4/26/2023		X	X	X								\Box
HA-3 (0-1')		G	1	X		1	X	4/26/2023		X	X	X								\Box
9 HA-3 (2'-3')		G	1	X	-	1	X	4/26/2023		X	X	X								\Box
HA-3 (3'-4') PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy to	or any claim arising whether h	G	1	X	bed to the ex-		X	4/26/2023		X	X	X			i					
PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy to event shall Cardinal be liable for incidental or consequental damages, including with affiliates or successors arising out of or related to the performance of services here	thout limitation, business in eunder by Cardinal, regard	nterruption dless of v	ins, loss of whether suc	use, or loss h claim is ba	of profits inci sed upon an	urred by clie by of the abo	ent, its subs	sidiaries, easons or otherwise.	ms including those to	r negligence	e and any oth	ner cause wh	atsoever sha	all be deemed w	aived unless r	nade in writin	ng and receive	ed by Cardi	nal within 30 d	days after co
	nte: 4/27/23	Rece	ived B	nin	1869	1	Q,	late	Verbal Result All Results ar	e emaile	Yes ed. Pleas	No se provid	de Email	Add'l Pho address:	ne #: Christian	Llull@te	tratech,c	om		\neg
Relinquished By:		Rece	ived B	y:			900	1	REMARKS:											\neg
	ed Temp. °C	1		Sample (Cool In	Yes	1		CKED BY:	Turnaround Time: Rush: N/A, Stand Thermometer II		444	Bacteria Cool Intact	(only) Sampl Observe	d Temp, °C						
FORM-006 R 3.2 10/07/21				□ No □	NO		- 1		Correction Fac		:			: -	Yes	Corrected T	emp. °C			

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Received by OCD: 6/19/2023 8:56:48 AM



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	Tetra Tech									BI	LL TO					ANA	LYSIS	REC	QUES	Т				
Project Manager					*			P.O.	#:				T	Т	T	Т			T	T	Т	_	Т	\top
Address: 8911 Ca	apital o Texas Hwy, Su	uite 2310						Con	npany	: Tet	ra Tech		1								1			
City: Austin		State: TX	Zij	p:				Attn	: Chri	istian	Llull		1								1			
Phone #:	(512)565-0190	Fax #:						Add	ress:	EMA	IL		1											
Project #:	212C-MD-03087	Project Owner:			Cor	nocoP	hillips	City					1									1		
Project Name: Us	shanka Fed. Com 23H						- P	State	e:		Zip:		1		-				1	1		1	1	
Project Location:	Lea County, New Mex	xico						Pho	ne #:				1		13									
Sampler Name: C	Colton Bickerstaff							Fax	#:	_			-		18									
FOR LAB USE ONLY			Т	Т	Т	MA	TRIX		RESER	RV. I	SAM	PLING	-		50						1			
Lab I.D. H232621	Sample	I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	OIL .	OTHER:	ICE / COOL	OTHER:	DATE	TIME	TPH 8015M	BTEX 8021B	Chloride SM4500CI-B									
	HA-4 (0-1')		G	1		X			X		4/26/2023		X	X	X				T					_
	HA-5 (0-1')		G	1		X			X		4/26/2023		X	X	X									
	HA-6 (0-1')		G	1		X	Ш		X	_	4/26/2023		X	X	X						-			
	HA-7 (0-1')		G	1		X	Ш	Ш	X		4/26/2023		X	X	X									
	HA-8 (0-1')		G	1	\sqcup	X	1	1	X		4/26/2023		X	X	X									
14	HA-9 (0-1')		G	1	Н	X	Н.	1	X		4/26/2023		X	X	X									
			_	_	\vdash	\perp	Н-	Н.	\perp	_														
			-	-	\vdash	+	Н-	++	++	-														
				H	\vdash	+	₩	+	+	\rightarrow														
LEASE NOTE: Liability and Dar	mages. Cardinal's liability and client's excl	usive remedy for any claim arising whethe	r based in	contrac	t or tort, sh	all be limite	ed to the arm	ount paid h	the client i	for the	nahses All chie	ns including those for	L	and any -th				4						
rent shall Cardinal be liable for ffiliates or successors arising	or incidental or consequental damages out of or related to the performance of	, including without limitation, business f services hereunder by Cardinal, rega	interrup	tions, lo	es of use, er such cla	or loss of	profits incu	rred by clie	nt, its sub	bsidiarie	s, or otherwise	Linux y I ruse 10	negagence	and any oth	er cause w	nusoever shal	oe deeme	ra warved u	niess made	e in writing	and received	s by Cardina	il within 30	days after
	Colton Bickerstaff	Date: 4/27/23			d By:			/	1	1/	7	(V-1-12-	-											
tomiquioned by:	CONTON DICKETSTAIN	Time: 342 (Rec	eive		116	ra	d.	We	le	tol	Verbal Result All Results an	e emaile	d. Pleas	No se provi	de Email	Add'l P address	hone #: s: Chris	stian.Ll	ull@tetr	atech.co	om		
Relinquished By:		Date: Time:	Rec	eive	d By:			(-	1	REMARKS:												
Delivered By: (Circle Sampler - UPS - Bus		Observed Temp. °C	4		Cod	nple Co	Yes			ECKEI (Initial	le1	Turnaround Time: Rush: N/A, Standa Thermometer ID Correction Factor	#113			(only) Sample Observed	i Temp. °C		Yes					

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APPENDIX F Waste Manifests

----WEIGHT TICKET-----Ticket # 171615 Start:05/22/2023 04:31 PM

End:05/22/2023 05:35 PM

By:owl.amy GROSS

TARE : NET PRICE

THLOMA

Contaminated Soil

\$0.05

Hauler: McNabb Partners Driver: Isaiah Garcia Lease: Ushanka Fed Com

Well: 23H AFE #: N/A

County, State: LEA (NM) API #: 3002544505

Manifest #: 01

Client Company Man: Andrew Garcia. .

Rig Name & Number: N/A Trucking Co Ticket #: N/A Truck Type: Hydro Vac

DOM: Duyd UOM Count: 5

PF Test Result: Pass

H2S Test: Pass

H2S Testing - PASS

01 \$0.00 C1 00 \$0.00

Paint Filter - PASS

01 \$0.00 \$0.00

NORM - FASS

___ 01 00 01 \$:0.00 \$0.00

Additional Photos

01 01 \$0.00 \$0.00

09 \$:0.01 \$0.05

SUBTOTAL ---> \$0.05

TAX ---> \$0.00

ACUNDING ---> \$0.00

TOTAL ---> \$0.05

Custome : ConocoPhillips Company

Criver: Karen Work

TD/Liberce:



WEIGHT TICKET---Ticket # 171751

Start:05/23/2023 11:28 AM End:05/23/2023 11:40 AM

By:cwl.adan

GROSS TARE NET PRICE AMOUNT

Contaminated Soil

16 00 16 \$0.01 \$0.16

hauler: McNabb Driver: Josh Busby Lease: Lshanka Fed Com

Well: 023H AFE #: N/A

Lounty, State: LEA (NM) API #: 8002544505

Manifest #: 02

Client Company Man: Andrew Garcia

Rig Name & Number: N/A Trucking Co Ticket #: N/A Truck Type: Dump Truck

UOM: Duyd UOM Count: 16

PF Test Result: Pass

H2S Test: Pass

H2S Testing - PASS

C1 00 01 \$0.00 \$0.00

Paint Filter - PASS

01 00 01 \$0.00 \$0.00

NORM - FASS

61 00 01 \$0.00 \$0.00

Additional Photos

01 00 01 \$0.00 \$0.00

20 \$0.01 \$0.16

SUETOTAL ---> \$0.16

TAX ---> \$0.01

ROUNDING ---> \$0.00

TOTAL ---> \$0.17

Customer: ConocoPhillips Company

Driver: Karen Work

ID/Liberce:



-----WEIGHT TICKET-----Ticket # 171753

Start: 05/23/2023 11:33 AM End:05/23/2023 11:42 AM

By:cwl.adan

GROSS TARE NET FRICE

THLOMA

Contaminated Soil

16 00 16 \$0.01

\$0.16

Hauler: McNabb Driver: Lumer Rdz

Lease: Lshanka Fed Com

Well: 023H AFE #: N/A

County, State: LEA (NM)

API #: 3002544505 Manifest #: 03

Client Company Man: Andrew Garcia

Rig Name & Number: N/A Trucking Co Ticket #: N/A Truck Type: Dump Truck M36

UOM: DuYd LOM Count: 16 PF Test Result: Pass H2S Test: Pass

H2S Testing - PASS

00

01 \$0.00

Paint Filter - PASS

00

01 \$0.00

\$0.00

\$0.00

\$0.00

NORM - FASS

01

00

01 \$0.00

Additional Photos

01 00

01 \$0.00

\$0.00

\$0.01

\$0.16

SUBTOTAL ---> \$0.16

TAX ---> \$0.01

ROUNDING ---> \$0.00

TOTAL ---> \$0.17

Customer: ConocoPhillips Company

Driver: Karen Work

ID/Liberce:



----WEIGHT TICKET----Ticket # 171778 Start:05/23/2023 01:05 PM

End:05/23/2023 01:11 PM By:cwl.adan

TARE NET FRICE

TIALOMA

Contaminated Soil 14 00 14 \$0.01 \$0.14

GROSS

Hauler: McNabio

Oriver: Josh Bushy

Lease: Ushanka Fed Com

Well: 023H AFE #: N/A

County, State: LEA (NM)

API #: 3002544505

Manifest #: 04

Client Company Man: Andrew Garcia

Rig Name & Number: N/A Trucking Co Ticket #: N/A Truck Type: Dump Truck

LIOM: DUYE

LIDM Court: 14

PF Test Result: Pass

H23 Tast: Pass

H2S Testing - PASS 01 \$0.00 \$0.00 C1 00

Paint Filter - PASS \$0.00 01 \$0.00 0.1

NORM - PASS \$0.00 01 \$0.00 00 01

Additional Photos \$0.00 \$0.00 01

\$0.14 \$0.01 18 SLETOTAL -> \$0.14 TAX - WAY SO LOO CHADING -- \$ 6-0.00

_ 150, 15

Customer: Corocoff Eliter Day Driver: Karamatak

00

ID/Liberbec



-----WEIGHT TICKET-----Ticket # 171780

Start:05/23/2023 01:18 PM End:05/23/2023 01:26 PM

By:owl.adan

NET FRICE

TALOMA

Contaminated Soil

GROSS

16 00

TARE

16 \$0.01

\$0.16

Hauler: McNabb Driver: Lumer Rdz

Lease: Eshanka Fed Com

Well: 023H

AFE #: N/A

County, State: LEA (NM) API #: 3002544505

Manifest #: 05

Client Company Man: Andrew Garcia

Rig Name & Number: N/A Trucking Co Ticket #: N/A Truck Type: Dump Truck M36

UOM: Court: 16

PF Test Result: Pass

H23 Test: Pass

H2S Testing - PASS 01 \$0.00 \$0.00

Paint Filter - PASS 01 00 01 \$0.00 \$0.00

20 \$0.01 \$0.16

SUBTOTAL ---> \$0.16 TAX ---> \$0.01

ROUNDING ---> \$0.00 TOTAL ---> \$0.17

Dustomer: ComocoPhillips Company

Driver: Karen Work

ID/Liberce:



WEIGHT TICKET Ticket # 171804 Start:05/23/2023 03:05 PM End:05/23/2023 03:14 PM

By:owl.adan GROSS TARE NET FRICE AMOUNT

Contaminated Soil

14 00 14 \$0.01 \$0.14

Hauler: McNabb Driver: Josh Busby Lease: Lshanka Fed Com

Well: 023H AFE #: N/A

County, State: LEA (NM)
API #: 3002544505
Manifest #: 06

Client Company Man: Andrew Garcia

Rig Name & Number: N/A Trucking Co Ticket #: N/A Truck Type: Dump Truck

UOM: DuYd UOM Court: 14 PF Test Result: Pass H2S Test: Pass

H2S Testing - PASS C1 00. 01 \$0.00 \$0.00

Paint Filter - PASS 01 00 01 \$0.00 \$0.00

NORM - PASS 01 00 01 \$0.00 \$0.00

Additional Photos C1 C0 C1 \$0.00 \$0.00 \$0.00

18 \$0.01 \$0.14

SUBTOTAL ---> \$0.14 TAX ---> \$0.01 ROUNDING ---> \$-0.00 TOTAL ---> \$0.15

Customer: ConocoPhillips Company

Driver: Karen Work ID/Liberce:

powered by TrueClaudEFP.com



-----WEIGHT TICKET----Ticket # 171808

Start:05/23/2023 03:23 PM End:05/23/2023 03:33 PM

By:owl.judy

FRICE

TARE NET

AMO JNT

Contaminated Soil 16 00 16 \$0.01 \$0.16

Hauler: McNabb Driver: Lumer Rdz Lease: Ushanka Fed Com

Well: 023H AFE #: N/A

GROSS

County, State: LEA (NM) API #: 3002544505 Manifest #: 07

Client Company Man: Andrew Carcia

Rig Name & Number: N/A Trucking Co Ticket #: N/A Truck Type: Dump Truck

UOM: Duyd UDM Count: 16 PF Test Result: Fail

H28 Test: Pass

H2S Testing - PASS 01 \$:0.00 \$0.00 00

Paint Filter - PASS \$0.00 01 \$0.00 00

NORM - PASS \$0.00 00 01 \$0.00 01

Additional Photos \$0.00 01 \$0.00

\$0.01 \$0.16

> SUETUTAL ---> \$0.16 TAX ---> \$0.01 ROUNDING ---> \$0.00

TOTAL ---> \$0.17

Customer: ConocoPhillips Company

Driver: Karen Work ID/Liberca:

20



----WEIGHT TICKEY-----Ticket # 171922

Start: 05/24/2023 10:40 AM End: 05/24/2023 10:52 AM

By:owl.amy

GROSS

TARE NET

FRICE

THLOMA

Contaminated Soil

10

00 10

\$0.01

\$0.10

Hauler: McNabb Partners Driver: Michael Quinones Lease: Lshanka Fed Com

Well: 023H

AFE #: N/A

County, State: LEA (NM)

API #: 3002544505 Manifest #: 08

Client Company Man: Andrew Garcia

Rig Name & Number: N/A Trucking Co Ticket #: N/A Truck Type: Dump Truck

DOM: Suyd UOM Count: 10 PF Test Result: Pass H2S Test: Pass

H2S Testing - PASS C1 00

01

\$0.00

\$0.00

Paint Filter - PASS

01

00

\$0.00

\$0.00

NORM - FASS

01

00

01 90.00

\$0.00

Additional Photos

0.1

00

\$0.00

01

\$0.00

14

\$0.01

\$0.10

SUETOTAL ---> \$0.10

TAX ---> \$0.01

- RCUNDING ---> \$0.00

TOTAL ---> \$0.11

Customer: ConocoPhillips Company

Driver: Karen Work

ID/Liberce:



-----WEIGHT TICKET-----Ticket # 171950

Start: 05/24/2023 12:26 PM End: 05/24/2023 12:32 PM

By:owl.amy GROSS TARE

FRICE NET

\$0.01

THLOMA

Contaminated Soil

10 00 10

\$0.10

Hauler: McNabb Partners Oriver: Michael Quinones Lease: Lshanka Fed Com

Well: 023H AFE #: N/A

County, State: LEA (NM) API #: 3002544505 Manifest #: 09

Client Company Man: Andrew Garcia

Rig Name & Number: N/A Trucking Go Ticket #: N/A Truck Type: Dump Truck

LIOM: DuYd UOM Court: 10 PF Test Result: Pass H2S Test: Pass

H2S Testing - PASS \$0.00 \$0.00 00 01

Paint Filter - PASS \$:0.00 \$0.00 01 01 00

NORM - PASS \$0.00 \$:0.00 01 C1

Additional Photos \$0.00 \$0.00 01 0.1

> \$0.10 \$0.01 14

> > SUETOTAL ---> \$0.10 TAX ---> \$0.01

ROUNDING ---> \$0.00 TOTAL ---> \$0.11

Eustomer: ConocoPhillips Company

Driver: Karen Work

ID/Liberca:



----WEIGHT TICKET----Ticket # 171973

Start: 05/24/2023 02:11 PM End: 05/24/2023 02:33 PM

By:owl.amy

GROSS

NET

THLOMA

Contaminated Soil (IL)

00 10 -

TARE

\$0.01

FRICE

\$0.10

Hauler: McNabb Partners Driver: Michael Quinones Lease: Ushanka Fed Com

Well: 023H AFE #: N/A

County, State: LEA (NM) API #: 3002544505

Manifest #: 10

Client Company Man: Andrew Garcia

Rig Name & Number: N/A Trucking Co Ticket #: N/A Truck Type: Dump Truck

UOM: DuYd UOM Court: 10

PF Test Result: Pass

H2S Test: Pass

H2S Testing - PASS

C1 00

\$:0,00 01

01

\$0.00

Paint Filter - PASS

00 01

00

\$:0.00

\$0.00

NORM - FASS

0.1

\$:0.00 01

\$0.00

Additional Photos 00

0.1

\$:0.00 01

\$0.00

14

\$0.01

\$0.10

SUBTOTAL ---> \$0.10

TAX ---> \$0.01 RCUNDING ---> \$0.00

TOTAL ---> \$0.11

Customer: ConocoPhillips Company

Driver: Karen Work

ID/Liberce:

APPENDIX G Analytical Laboratory Data – Remediation



May 23, 2023

CHRISTIAN LLULL
TETRA TECH
901 WEST WALL STREET , STE 100
MIDLAND, TX 79701

RE: USHANKA FED. COM 23H

Enclosed are the results of analyses for samples received by the laboratory on 05/22/23 16:35.

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

Cardinal Laboratories is accreditated 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.

Celey D. Keine

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,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

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

Received: 05/22/2023 Sampling Date: 05/22/2023 Reported: 05/23/2023 Sampling Type: Soil

** (See Notes) Project Name: USHANKA FED. COM 23H Sampling Condition: Project Number: 212C - MD - 03087 Sample Received By: Shari Cisneros

Project Location: COP - LEA CO NM

Sample ID: NSW - 1 (H232591-01)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/23/2023	ND	2.34	117	2.00	3.31	
Toluene*	<0.050	0.050	05/23/2023	ND	2.32	116	2.00	4.38	
Ethylbenzene*	<0.050	0.050	05/23/2023	ND	2.24	112	2.00	3.16	
Total Xylenes*	<0.150	0.150	05/23/2023	ND	6.81	114	6.00	3.01	
Total BTEX	<0.300	0.300	05/23/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	05/23/2023	ND	448	112	400	3.64	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/23/2023	ND	201	101	200	7.18	
DRO >C10-C28*	<10.0	10.0	05/23/2023	ND	179	89.3	200	0.0991	
EXT DRO >C28-C36	<10.0	10.0	05/23/2023	ND					
Surrogate: 1-Chlorooctane	80.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	84.9	% 49.1-14	8						

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Celeg D. Kreene



Analytical Results For:

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

Received: 05/22/2023 Sampling Date: 05/22/2023

Reported: Sampling Type: 05/23/2023 Soil

Project Name: USHANKA FED. COM 23H Sampling Condition: ** (See Notes) Project Number: 212C - MD - 03087 Sample Received By: Shari Cisneros

Project Location: COP - LEA CO NM

Sample ID: NSW - 2 (H232591-02)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/23/2023	ND	2.34	117	2.00	3.31	
Toluene*	<0.050	0.050	05/23/2023	ND	2.32	116	2.00	4.38	
Ethylbenzene*	<0.050	0.050	05/23/2023	ND	2.24	112	2.00	3.16	
Total Xylenes*	<0.150	0.150	05/23/2023	ND	6.81	114	6.00	3.01	
Total BTEX	<0.300	0.300	05/23/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	05/23/2023	ND	448	112	400	3.64	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/23/2023	ND	201	101	200	7.18	
DRO >C10-C28*	<10.0	10.0	05/23/2023	ND	179	89.3	200	0.0991	
EXT DRO >C28-C36	<10.0	10.0	05/23/2023	ND					
Surrogate: 1-Chlorooctane	75.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	63.6	% 49.1-14	8						

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Celeg D. Freene



Analytical Results For:

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

Received: 05/22/2023 Sampling Date: 05/22/2023

Reported: 05/23/2023 Sampling Type: Soil
Project Name: USHANKA FED. COM 23H Sampling Condition: ** (See Notes)

Project Number: 212C - MD - 03087 Sample Received By: Shari Cisneros

Applyzod By: 14

Project Location: COP - LEA CO NM

ma/ka

Sample ID: ESW - 1 (H232591-03)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/23/2023	ND	2.34	117	2.00	3.31	
Toluene*	<0.050	0.050	05/23/2023	ND	2.32	116	2.00	4.38	
Ethylbenzene*	<0.050	0.050	05/23/2023	ND	2.24	112	2.00	3.16	
Total Xylenes*	<0.150	0.150	05/23/2023	ND	6.81	114	6.00	3.01	
Total BTEX	<0.300	0.300	05/23/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/23/2023	ND	448	112	400	3.64	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/23/2023	ND	201	101	200	7.18	
DRO >C10-C28*	<10.0	10.0	05/23/2023	ND	179	89.3	200	0.0991	
EXT DRO >C28-C36	<10.0	10.0	05/23/2023	ND					
Surrogate: 1-Chlorooctane	79.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	83.8	% 49.1-14	8						

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Celeg D. Freene



Analytical Results For:

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

Received: 05/22/2023 Sampling Date: 05/22/2023

Reported: 05/23/2023 Sampling Type: Soil

Project Name: USHANKA FED. COM 23H Sampling Condition: ** (See Notes)
Project Number: 212C - MD - 03087 Sample Received By: Shari Cisneros

Analyzed By: 14

Project Location: COP - LEA CO NM

ma/ka

Sample ID: SSW - 1 (H232591-04)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	а ву: ЈН					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/23/2023	ND	2.34	117	2.00	3.31	
Toluene*	<0.050	0.050	05/23/2023	ND	2.32	116	2.00	4.38	
Ethylbenzene*	<0.050	0.050	05/23/2023	ND	2.24	112	2.00	3.16	
Total Xylenes*	<0.150	0.150	05/23/2023	ND	6.81	114	6.00	3.01	
Total BTEX	<0.300	0.300	05/23/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	05/23/2023	ND	448	112	400	3.64	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/23/2023	ND	201	101	200	7.18	
DRO >C10-C28*	<10.0	10.0	05/23/2023	ND	179	89.3	200	0.0991	
EXT DRO >C28-C36	<10.0	10.0	05/23/2023	ND					
Surrogate: 1-Chlorooctane	80.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	83.7	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

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

Received: 05/22/2023 Sampling Date: 05/22/2023

Reported: Sampling Type: 05/23/2023 Soil

Project Name: USHANKA FED. COM 23H Sampling Condition: ** (See Notes) Project Number: 212C - MD - 03087 Sample Received By: Shari Cisneros

Project Location: COP - LEA CO NM

Sample ID: WSW - 1 (H232591-05)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/23/2023	ND	2.34	117	2.00	3.31	
Toluene*	<0.050	0.050	05/23/2023	ND	2.32	116	2.00	4.38	
Ethylbenzene*	<0.050	0.050	05/23/2023	ND	2.24	112	2.00	3.16	
Total Xylenes*	<0.150	0.150	05/23/2023	ND	6.81	114	6.00	3.01	
Total BTEX	<0.300	0.300	05/23/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	05/23/2023	ND	448	112	400	3.64	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/23/2023	ND	201	101	200	7.18	
DRO >C10-C28*	<10.0	10.0	05/23/2023	ND	179	89.3	200	0.0991	
EXT DRO >C28-C36	<10.0	10.0	05/23/2023	ND					
Surrogate: 1-Chlorooctane	82.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	83.7	% 49.1-14	8						

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Celeg D. Freene



Analytical Results For:

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

Received: 05/22/2023 Sampling Date: 05/22/2023

Reported: 05/23/2023 Sampling Type: Soil

Project Name: USHANKA FED. COM 23H Sampling Condition: ** (See Notes)
Project Number: 212C - MD - 03087 Sample Received By: Shari Cisneros

Analyzed By: JH

Project Location: COP - LEA CO NM

mg/kg

Sample ID: FS - 1 (H232591-06)

BTEX 8021B

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/23/2023	ND	2.34	117	2.00	3.31	
Toluene*	<0.050	0.050	05/23/2023	ND	2.32	116	2.00	4.38	
Ethylbenzene*	<0.050	0.050	05/23/2023	ND	2.24	112	2.00	3.16	
Total Xylenes*	<0.150	0.150	05/23/2023	ND	6.81	114	6.00	3.01	
Total BTEX	<0.300	0.300	05/23/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.4	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	05/23/2023	ND	448	112	400	3.64	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/23/2023	ND	201	101	200	7.18	
DRO >C10-C28*	<10.0	10.0	05/23/2023	ND	179	89.3	200	0.0991	
EXT DRO >C28-C36	<10.0	10.0	05/23/2023	ND					
Surrogate: 1-Chlorooctane	84.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.6	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

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

Received: 05/22/2023 Sampling Date: 05/22/2023

Reported: 05/23/2023 Sampling Type: Soil

Project Name: USHANKA FED. COM 23H Sampling Condition: ** (See Notes)
Project Number: 212C - MD - 03087 Sample Received By: Shari Cisneros

Analyzed By: JH

Project Location: COP - LEA CO NM

mg/kg

Sample ID: FS - 2 (H232591-07)

BTEX 8021B

	9,	9	7	7: 5::					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/23/2023	ND	2.34	117	2.00	3.31	
Toluene*	<0.050	0.050	05/23/2023	ND	2.32	116	2.00	4.38	
Ethylbenzene*	<0.050	0.050	05/23/2023	ND	2.24	112	2.00	3.16	
Total Xylenes*	<0.150	0.150	05/23/2023	ND	6.81	114	6.00	3.01	
Total BTEX	<0.300	0.300	05/23/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	05/23/2023	ND	448	112	400	3.64	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/23/2023	ND	201	101	200	7.18	
DRO >C10-C28*	<10.0	10.0	05/23/2023	ND	179	89.3	200	0.0991	
EXT DRO >C28-C36	<10.0	10.0	05/23/2023	ND					
Surrogate: 1-Chlorooctane	79.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	81.4	% 49.1-14	8						

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Analytical Results For:

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

Received: 05/22/2023 Sampling Date: 05/22/2023

Reported: Sampling Type: 05/23/2023 Soil

Project Name: USHANKA FED. COM 23H Sampling Condition: ** (See Notes) Project Number: 212C - MD - 03087 Sample Received By: Shari Cisneros

Project Location: COP - LEA CO NM

Sample ID: FS - 3 (H232591-08)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/23/2023	ND	2.34	117	2.00	3.31	
Toluene*	<0.050	0.050	05/23/2023	ND	2.32	116	2.00	4.38	
Ethylbenzene*	<0.050	0.050	05/23/2023	ND	2.24	112	2.00	3.16	
Total Xylenes*	<0.150	0.150	05/23/2023	ND	6.81	114	6.00	3.01	
Total BTEX	<0.300	0.300	05/23/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	05/23/2023	ND	400	100	400	3.92	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/23/2023	ND	201	101	200	7.18	
DRO >C10-C28*	<10.0	10.0	05/23/2023	ND	179	89.3	200	0.0991	
EXT DRO >C28-C36	<10.0	10.0	05/23/2023	ND					
Surrogate: 1-Chlorooctane	86.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.0	% 49.1-14	8						

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Celeg D. Freene



Analytical Results For:

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

Received: 05/22/2023 Sampling Date: 05/22/2023

Reported: 05/23/2023 Sampling Type: Soil

Project Name: USHANKA FED. COM 23H Sampling Condition: ** (See Notes)
Project Number: 212C - MD - 03087 Sample Received By: Shari Cisneros

Applyzod By: 14

Project Location: COP - LEA CO NM

ma/ka

Sample ID: FS - 4 (H232591-09)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	а ву: ЈН					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/23/2023	ND	2.34	117	2.00	3.31	
Toluene*	<0.050	0.050	05/23/2023	ND	2.32	116	2.00	4.38	
Ethylbenzene*	<0.050	0.050	05/23/2023	ND	2.24	112	2.00	3.16	
Total Xylenes*	<0.150	0.150	05/23/2023	ND	6.81	114	6.00	3.01	
Total BTEX	<0.300	0.300	05/23/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	05/23/2023	ND	400	100	400	3.92	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/23/2023	ND	201	101	200	7.18	
DRO >C10-C28*	<10.0	10.0	05/23/2023	ND	179	89.3	200	0.0991	
EXT DRO >C28-C36	<10.0	10.0	05/23/2023	ND					
Surrogate: 1-Chlorooctane	83.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	85.7	% 49.1-14	8						

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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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Received by OCD: 6/19/2023 8:56:48 AM

Company Name:

Project Manager:

Page 12 of 12

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

page 1 of 1

ANALYSIS REQUEST

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

Lonoco Phillips

Christian Und

Address:						C	omp	ány:	T	etra Te	ch							'				
City:	State:	Zip:		•		At	ttn:	Ch	n's	tianL	Inh				.							
Phone #:	Fax #:					A	ddre	ss:						0				-				
Project #: 212	C- MD- 030 87 Project (Owner:				Ci	ity:							Ö								
Project Name:	WASHAT AG UShar		Co	m 2	3 H	St	tate:			Zip:				450								
-	: Lea Co, NM					PI	hone	#:												Ì		
Sampler Name:	Andrew Garca					Fa	ax #:							95								
FOR LAB USE ONLY	71 00 00		Γ	MAT	RIX	_	PR	ESEF	RV.	SAMPI	LING			8			1					
Lab I.D. H 232591	Sample I.D.	(G)RAB OR (C)OMP. # CONTAINERS	GROUNDWATER	WASTEWATER	OIL	OTHER:	ACID/BASE:	ICE / COOT	OTHER:	2023 DATE	TIME	BTEX	HOLL	Chlori							¥.	
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BILL TO

P.O. #:

APPENDIX H BLM Seed Mix

(27)

BLM Serial #:

Company Reference:

3.2 Seed Mixture for LPC Sand/Shinnery Sites

The holder shall seed all disturbed areas with the seed mixture listed below. The seed mixture shall be planted in the amounts specified in pounds of pure live seed (PLS)* per acre. There shall be <u>no</u> primary or secondary noxious weeds in the seed mixture. Seed will be tested and the viability testing of seed will be done in accordance with State law(s) and within nine (9) months prior to purchase. Commercial seed will be either certified or registered seed. The seed container will be tagged in accordance with State law(s) and available for inspection by the authorized officer.

Seed will be planted using a drill equipped with a depth regulator to ensure proper depth of planting where drilling is possible. The seed mixture will be evenly and uniformly planted over the disturbed area (smaller/heavier seeds have a tendency to drop the bottom of the drill and are planted first). The holder shall take appropriate measures to ensure this does not occur. Where drilling is not possible, seed will be broadcast and the area shall be raked or chained to cover the seed. When broadcasting the seed, the pounds per acre are to be doubled. The seeding will be repeated until a satisfactory stand is established as determined by the authorized officer. Evaluation of growth will not be made before completion of at least one full growing season after seeding.

Species to be planted in pounds of pure live seed* per acre:

<u>Species</u>	<u>lb/acre</u>
Plains Bristlegrass	5lbs/A
Sand Bluestem	5lbs/A
Little Bluestem	3lbs/A
Big Bluestem	6lbs/A
Plains Coreopsis	2lbs/A
Sand Dropseed	1lbs/A

^{*}Pounds of pure live seed: Pounds of seed **x** percent purity **x** percent germination = pounds pure live seed

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

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 229983

CONDITIONS

Operator:	OGRID:
COG OPERATING LLC	229137
600 W Illinois Ave	Action Number:
Midland, TX 79701	229983
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
nvelez	None	9/18/2023