



1703 Calder Street, Farmington, New Mexico 87401

November 1, 2024

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

Subject: Remediation Report with Deferral Request for the NAU CLF Filter Pot Release Remediation (nAPP2421852910)

To Whom it May Concern:

Whiptail Midstream, LLC (Whiptail) submits this Remediation Report with Deferral Request for the NAU CLF Filter Pot Release (nAPP2421852910) which describes the remediation completed to date, delineation activities and request for deferral of final remediation, reclamation, and revegetation until a major deconstruction of the facility.

Release Information

A release of approximately 42 barrels (bbls) of produced water was discovered at the NAU CLF Filter Pot release site on August 5, 2024. The release was the result of a gasket failure associated with the filter pots in the pump building. Approximately 22 barrels of produced water were recovered via a vacuum truck. No liquids were observed to have migrated off the facility pad. Note that the total volume released and recovered differs from the original notification of release provided to the New Mexico Oil Conservation Division (NMOCD) and Bureau of Land Management (BLM) of approximately 80 bbls released and 60 bbls recovered due to miscommunication with the service company regarding the amount of produced water recovered.

The Site is located in Unit Letter A, Section 1, Township 22 North, Range 08 West, in San Juan County, New Mexico at approximately 36.17404, -107.62826 (NAD 83) on public land managed by the BLM. A topographic site map is included as Figure 1, an aerial site map is included as Figure 2, and a depiction of the observed release extents is included as Figure 3.

Remediation Closure Criteria Determination / Site Characterization

The Closure Criteria for the area impacted by the release are described in Table I of 19.15.29.12 New Mexico Administrative Code (NMAC). The criteria are based upon depth to groundwater at the release

site and proximity relative to sensitive receptors as described in Paragraph (4) of Subsection C of 19.15.29.12 NMAC.

Depth to Groundwater / Wellhead Protection Area

Depth to groundwater is anticipated to be greater than 100 feet below grade surface (bgs); however, no well records within 0.5-mile report depth to groundwater or meet the stipulations of the NMOCD guidance for well record data. A search of the New Mexico Office of the State Engineer's (NMOSE) New Mexico Water Rights Reporting System (NMWRRS) reports two well records (SJ-00949-S and SJ-04379 POD 1) located approximately 0.3 miles southwest of the site appear to be a re-permitting of the same well, and report depth to groundwater as 1,106 feet bgs under artesian conditions of a screened interval of 2037 to 2634 feet bgs. Based on elevation differential between the site (6,947 feet AMSL) and the Alamito Wash (6,795 feet AMSL) located approximately 0.89 miles to the east, depth to groundwater is anticipated to be approximately 152 feet bgs. Well records, NMWRRS search results, and NMOSE POD map of the vicinity are included in Appendix A.

Distance to Significant Watercourse

The release area is located approximately 1,382 feet southeast of an ephemeral surface drainage illustrated as a blue line on a USGS topographic map included in Figure 1.

Sensitive Receptors

The proximity of the release location to sensitive receptors as described in Paragraph (4) of Subsection C of 19.15.29.12 NMAC is assessed in the following table:

19.15.29.12(C)(4). If a release occurs within the following areas, the responsible party must treat the release as if it occurred less than 50 feet to ground water in Table I of 19.15.29.12 NMAC:		
<i>Description</i>	<i>Y/N</i>	<i>Reference</i>
(a) Within (i) 300 feet of any continuously flowing watercourse or any other significant watercourse, or (ii) 200 feet of any lakebed, sinkhole or playa lake (measured from the ordinary high-water mark);	No	Figures 1 and 2
(b) Within 300 feet from an occupied permanent residence, school, hospital, institution or church;	No	Figure 2
(c) Within (i) 500 feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or (ii) 1,000 feet of any fresh water well or spring;	No	Figures 1 and 2, Appendix A
(d) Within incorporated municipal boundaries or within a defined fresh water well field covered under a municipal ordinance adopted pursuant to Section 3-27-3 NMSA 1978 as amended, unless the municipality specifically approves;	No	Figure 1

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(e) Within 300 feet of a wetland;	No	Figure 1 and Appendix B
(f) Within the area overlying a subsurface mine;	No	Appendix C
(g) Within an unstable area; or	No	Appendix C
(h) Within a 100-year floodplain.	No	Appendix D

Closure Criteria

As demonstrated above, depth to groundwater at the site is anticipated to be greater than 100 feet bgs and the release area is not located within the designated proximity or have the potential to impact the described sensitive receptors. However, no depth to groundwater information is available that meets the stipulations provided in the NMOCD's *Notice: Process Updates re: Submissions of Form C-141 Release Notification and Corrective Actions*, Frequently Asked Questions, Section I, dated December 1, 2023. Therefore, the closure criteria assumed for the release per Table 1 of 19.15.29.12 NMAC are: 10 milligrams per kilogram (mg/kg) benzene; 50 mg/kg total BTEX; 100 mg/kg total TPH (GRO/DRO/MRO); and 600 mg/kg chloride. The reclamation requirements of 19.15.29.13 NMAC are also applicable to the upper four feet of the impacted area which are the same as the closure standards for this location, and as such, are referred to collectively in this report.

Remediation/Delineation

After the recovery of approximately 22 bbls of liquid via vacuum truck, the impacted area was excavated using heavy equipment where possible and using hand-tools in areas congested by equipment.

On August 13, 2024, thirty-nine (39) composite confirmation samples were collected from the sidewalls and bases of the remedial excavation. Each confirmation sample was a five-point composite representing an area of 200 square feet or less of the excavation. Additionally, samples were collected from six (6) soil borings (B-01 through B-06) at selected depth intervals to further delineate the release area. Note that boring B-06 was advanced horizontally to demonstrate the horizontal limits of potential migration of contaminants beneath the containment liner. A figure depicting the confirmation sample and boring locations is included as Figure 3 and a photograph log of the sampled areas is included in Appendix E.

Samples were transported under chain of custody to Envirotech, Inc. in Farmington, New Mexico for analysis including:

- Benzene, toluene, ethylbenzene, and xylenes (BTEX) by United State Environmental Protection Agency (USEPA) Method 8021B;
- Total petroleum hydrocarbons (TPH) as gasoline range organics (GRO), diesel range organics (DRO) and motor oil range organics (MRO) by USEPA Method 8015D; and
- Chloride by USEPA Method 300.0/9056A.

Laboratory analytical results for the excavation confirmation samples report the following:

- Benzene, total BTEX, and total TPH concentrations are below the laboratory reporting limits which are below the applicable closure criteria for each constituent.
- Chloride concentrations range from below the laboratory reporting limits to 5,960 mg/kg. Samples exceeding the closure criteria of 600 mg/kg include samples CS-19 through CS-22, CS-24, CS-25, CS-27, CS-34, CS-36 and CS-39 with concentrations ranging from 695 to 5,960 mg/kg.

Additional excavation was possible in the areas of samples CS-34 and CS-36 with additional composite samples CS-40 and CS-41 from these areas collected on August 23, 2024. Note that samples CS-40 and CS-41 were incorrectly numbered on the day of collection. Laboratory report E408199 has been redlined to reflect the proper sample numbering schema for these two samples. Furthermore, two additional soil borings (SB-08 and SB-09) were advanced in the areas of CS-22 and CS-27, respectively, to further demonstrate the vertical extent of chloride impact in those areas.

Samples were transported under chain of custody to Envirotech, Inc. in Farmington, New Mexico for chloride analysis. Laboratory analytical results indicate that chloride concentrations for the additional samples range from 22.9 to 163 mg/kg which are below the closure criteria of 600 mg/kg. Analytical results are summarized in Table 1 and the laboratory report is included in Appendix F. Excavated material was transported for disposal/remediation at Envirotech Landfarm near Hilltop, New Mexico. The excavation area was backfilled with imported, clean earthen material.

Discussion and Request for Deferral

Excavation confirmation sample results demonstrate that the remedial excavation meets the closure criteria of Table I of 19.15.29.12 NMAC for all portions of the release area except for those areas represented by confirmation samples CS19 through CS-22, CS-24, CS-25, CS-27 and CS-29. These samples that exceed closure criteria for chloride concentrations indicate residual chloride impact below the pump building and in portions of the area between the pump building/control panels and the containment wall which are heavily congested with buried infrastructure. Samples CS-37 and CS-38, supported by horizontal boring SB-06, that minimal to no horizontal chloride migration has occurred through seepage below the containment liner and that concentrations that are present are below the closure criteria of 600 mg/kg. Additionally, Borings B-05, B-07, and B-08 demonstrate that less than 12-inches of residual chloride impacted material remain in place in the areas between the pump/building/control panels and the containment wall.

Based on these results, an estimated 256.5 cubic yards of chloride impacted material potentially above closure standards remains in place below areas occupied by site equipment/infrastructure. These surfaces of these areas have been excavated, backfilled with at least 1.5 feet of clean material, and contoured to protect surface water runoff.

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As the entire impacted area is located on the pad in active working areas, Whiptail respectfully requests deferral of final remediation, reclamation, and revegetation for the residual chloride impacted material until a major facility deconstruction or final decommissioning of the facility, as appropriate.

Whiptail appreciates the opportunity to provide this remediation report with deferral request for the NAU CLF Filter Pot (nAPP2421852910) release. Please feel free to contact me with any questions or comments at Heather.Woods@WhiptailMidstream.com or (505) 636-0574.

Sincerely,



Heather M. Woods, PG
EHS Specialist

Figures:

Figure 1. Topographic Site Map

Figure 2. Aerial Site Map

Figure 3. Sample Location Map

Table:

Table 1. Summary of Laboratory Analytical Results

Appendices:

Appendix A: Well Log and NMOSE Registered Water Well Documentation

Appendix B: Wetland Map

Appendix C: Mine Maps

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Appendix E: Photograph Log

Appendix F: Laboratory Analytical Reports

Appendix G: Correspondence

Appendix H: Field Notes

Remediation Plan
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Figures

Figures

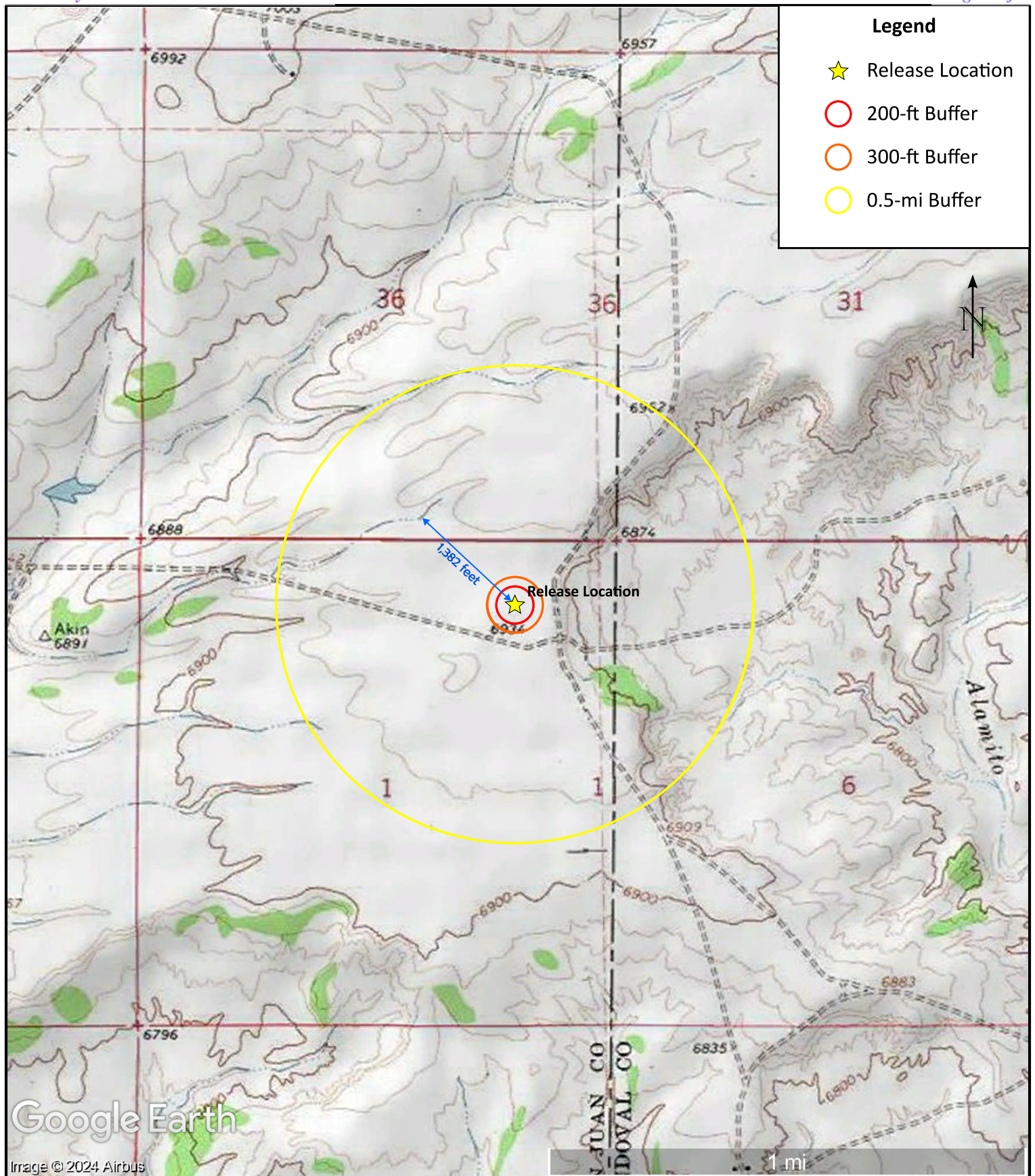


Figure 1. Topographic Site Map

NAU CLF Filter Pot Release Remediation

GPS: 36.17404, -107.62826

A-01-T22W-R08W

San Juan County, NM

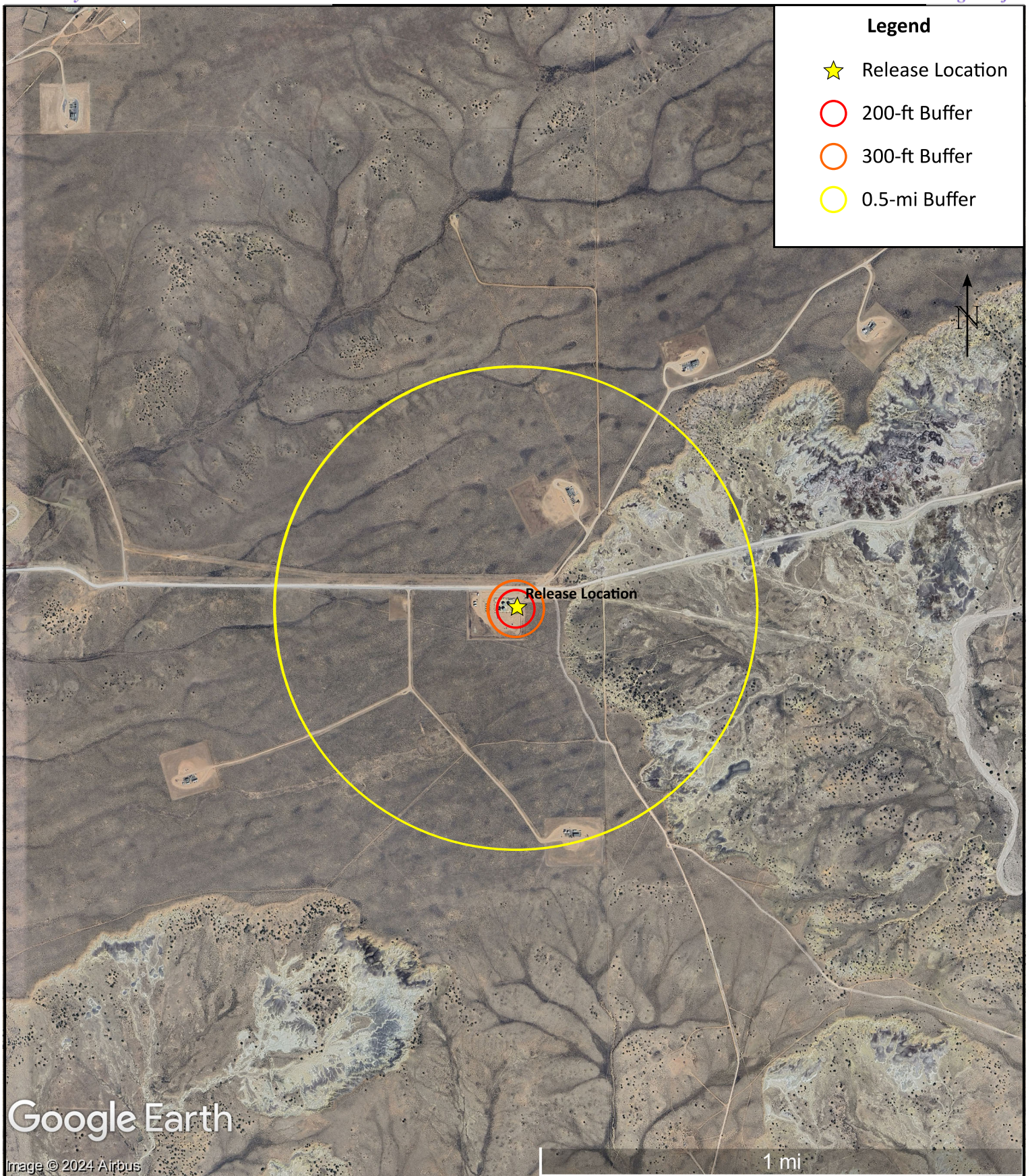
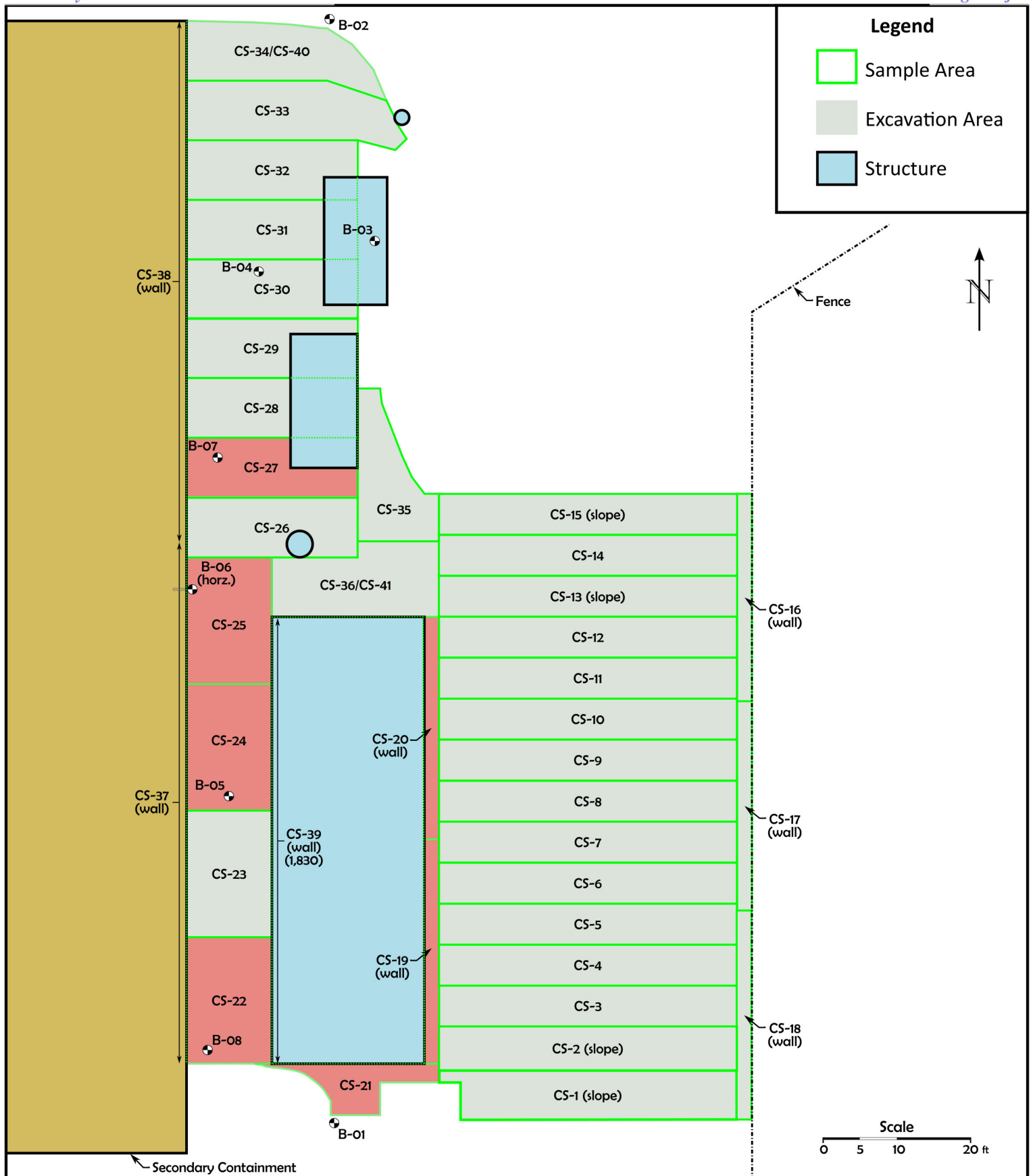


Figure 2. Aerial Site Map

NAU CLF Filter Pot Release Remediation
GPS: 36.17404, -107.62826
A-01-T22W-R08W
San Juan County, NM

**Figure 3. Sample Location Map**

NAU CLF Filter Pot Release Remediation
 GPS: 36.17404, -107.62826
 A-01-T22W-R08W
 San Juan County, NM

Remediation Plan
NAU CLF Filter Pot Release (nAPP2421852910)

Tables

Tables

Table 1. Summary of Laboratory Analytical Results

NAU CLF Filter Pot Release Remediation

Sample ID	Date	Depth (ft bgs)	Location	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl- benzene (mg/kg)	Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH (GRO) (mg/kg)	TPH (DRO) (mg/kg)	TPH (MRO) (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Closure Criteria				10	--	--	--	50	--	--	--	100	600
Excavation Confirmation Samples													
CS-1	8/13/2024	0 - 3	Wall/Slope	<0.0250	<0.0250	<0.0250	<0.0500	ND	<20.0	<25.0	<50.0	ND	297
CS-2	8/13/2024	3 - 6	Wall/Slope	<0.0250	<0.0250	<0.0250	<0.0500	ND	<20.0	<25.0	<50.0	ND	38.1
CS-3	8/13/2024	6	Base	<0.0250	<0.0250	<0.0250	<0.0500	ND	<20.0	<25.0	<50.0	ND	<20.0
CS-4	8/13/2024	6	Base	<0.0250	<0.0250	<0.0250	<0.0500	ND	<20.0	<25.0	<50.0	ND	<20.0
CS-5	8/13/2024	6	Base	<0.0250	<0.0250	<0.0250	<0.0500	ND	<20.0	<25.0	<50.0	ND	26.9
CS-6	8/13/2024	6	Base	<0.0250	<0.0250	<0.0250	<0.0500	ND	<20.0	<25.0	<50.0	ND	34.8
CS-7	8/13/2024	6	Base	<0.0250	<0.0250	<0.0250	<0.0500	ND	<20.0	<25.0	<50.0	ND	<20.0
CS-8	8/13/2024	6	Base	<0.0250	<0.0250	<0.0250	<0.0500	ND	<20.0	<25.0	<50.0	ND	38.2
CS-9	8/13/2024	6	Base	<0.0250	<0.0250	<0.0250	<0.0500	ND	<20.0	<25.0	<50.0	ND	58.0
CS-10	8/13/2024	6	Base	<0.0250	<0.0250	<0.0250	<0.0500	ND	<20.0	<25.0	<50.0	ND	34.0
CS-11	8/13/2024	6	Base	<0.0250	<0.0250	<0.0250	<0.0500	ND	<20.0	<25.0	<50.0	ND	67.3
CS-12	8/13/2024	6	Base	<0.0250	<0.0250	<0.0250	<0.0500	ND	<20.0	<25.0	<50.0	ND	51.4
CS-13	8/13/2024	3 - 6	Wall/Slope	<0.0250	<0.0250	<0.0250	<0.0500	ND	<20.0	<25.0	<50.0	ND	155
CS-14	8/13/2024	3	Base	<0.0250	<0.0250	<0.0250	<0.0500	ND	<20.0	<25.0	<50.0	ND	26.3
CS-15	8/13/2024	0 - 3	Wall/Slope	<0.0250	<0.0250	<0.0250	<0.0500	ND	<20.0	<25.0	<50.0	ND	55.0
CS-16	8/13/2024	0 - 6	Wall	<0.0250	<0.0250	<0.0250	<0.0500	ND	<20.0	<25.0	<50.0	ND	21.9
CS-17	8/13/2024	0 - 6	Wall	<0.0250	<0.0250	<0.0250	<0.0500	ND	<20.0	<25.0	<50.0	ND	<20.0
CS-18	8/13/2024	0 - 6	Wall	<0.0250	<0.0250	<0.0250	<0.0500	ND	<20.0	<25.0	<50.0	ND	<20.0
CS-19	8/13/2024	0 - 6	Wall	<0.0250	<0.0250	<0.0250	<0.0500	ND	<20.0	<25.0	<50.0	ND	5,960
CS-20	8/13/2024	0 - 6	Wall	<0.0250	<0.0250	<0.0250	<0.0500	ND	<20.0	<25.0	<50.0	ND	4,400
CS-21	8/13/2024	0 - 1.5	Base	<0.0250	<0.0250	<0.0250	<0.0500	ND	<20.0	<25.0	<50.0	ND	783
CS-22	8/13/2024	0 - 1.5	Base	<0.0250	<0.0250	<0.0250	<0.0500	ND	<20.0	<25.0	<50.0	ND	1,350
CS-23	8/13/2024	1.5 - 2	Base	<0.0250	<0.0250	<0.0250	<0.0500	ND	<20.0	<25.0	<50.0	ND	517
CS-24	8/13/2024	2 - 2.5	Base	<0.0250	<0.0250	<0.0250	<0.0500	ND	<20.0	<25.0	<50.0	ND	1,230
CS-25	8/13/2024	2 - 2.5	Base	<0.0250	<0.0250	<0.0250	<0.0500	ND	<20.0	<25.0	<50.0	ND	1,370
CS-26	8/13/2024	1 - 2.5	Base	<0.0250	<0.0250	<0.0250	<0.0500	ND	<20.0	<25.0	<50.0	ND	536
CS-27	8/13/2024	0.5 - 2	Base	<0.0250	<0.0250	<0.0250	<0.0500	ND	<20.0	<25.0	<50.0	ND	754
CS-28	8/13/2024	0.5 - 2	Base	<0.0250	<0.0250	<0.0250	<0.0500	ND	<20.0	<25.0	<50.0	ND	507
CS-29	8/13/2024	0.5 - 2	Base	<0.0250	<0.0250	<0.0250	<0.0500	ND	<20.0	<25.0	<50.0	ND	449
CS-30	8/13/2024	0.5 - 1.5	Base	<0.0250	<0.0250	<0.0250	<0.0500	ND	<20.0	<25.0	<50.0	ND	159
CS-31	8/13/2024	0.5 - 1.5	Base	<0.0250	<0.0250	<0.0250	<0.0500	ND	<20.0	<25.0	<50.0	ND	105
CS-32	8/13/2024	0.5 - 1.5	Base	<0.0250	<0.0250	<0.0250	<0.0500	ND	<20.0	<25.0	<50.0	ND	266
CS-33	8/13/2024	0.5 - 1	Base	<0.0250	<0.0250	<0.0250	<0.0500	ND	<20.0	<25.0	<50.0	ND	265

Table 1. Summary of Laboratory Analytical Results

NAU CLF Filter Pot Release Remediation

Sample ID	Date	Depth (ft bgs)	Location	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl- benzene (mg/kg)	Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH (GRO) (mg/kg)	TPH (DRO) (mg/kg)	TPH (MRO) (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Closure Criteria				10	--	--	--	50	--	--	--	100	600
CS-35	8/13/2024	0.5 - 1	Base	<0.0250	<0.0250	<0.0250	<0.0500	ND	<20.0	<25.0	<50.0	ND	25.9
CS-37	8/13/2024	0.5 - 2.5	Wall	<0.0250	<0.0250	<0.0250	<0.0500	ND	<20.0	<25.0	<50.0	ND	<20.0
CS-38	8/13/2024	0.5 - 2.5	Wall	<0.0250	<0.0250	<0.0250	<0.0500	ND	<20.0	<25.0	<50.0	ND	<20.0
CS-39	8/13/2024	0 - 2.5	Wall	<0.0250	<0.0250	<0.0250	<0.0500	ND	<20.0	<25.0	<50.0	ND	1,830
CS-40	8/23/2024	0 - 1.5	Base	--	--	--	--	--	--	--	--	--	22.9
CS-41	8/23/2024	1 - 2.5	Base	--	--	--	--	--	--	--	--	--	42.2
Excavation Confirmation Samples Removed by Additional Excavation													
CS-34	8/13/2024	0.5 - 1	Base	<0.0250	<0.0250	<0.0250	<0.0500	ND	<20.0	<25.0	<50.0	ND	770
CS-36	8/13/2024	1 - 2	Base	<0.0250	<0.0250	<0.0250	<0.0500	ND	<20.0	<25.0	<50.0	ND	695
Soil Boring Samples													
B-01	8/13/2024	0 - 0.5	Boring	<0.0250	<0.0250	<0.0250	<0.0500	ND	<20.0	<25.0	<50.0	ND	89.5
		1 - 1.5		<0.0250	<0.0250	<0.0250	<0.0500	ND	<20.0	<25.0	<50.0	ND	<20.0
B-02	8/13/2024	0 - 0.5	Boring	<0.0250	<0.0250	<0.0250	<0.0500	ND	<20.0	<25.0	<50.0	ND	<100
		1 - 1.5		<0.0250	<0.0250	<0.0250	<0.0500	ND	<20.0	<25.0	<50.0	ND	<100
B-03	8/13/2024	0 - 0.5	Boring	<0.0250	<0.0250	<0.0250	<0.0500	ND	<20.0	<25.0	<50.0	ND	<20.0
		1 - 1.5		<0.0250	<0.0250	<0.0250	<0.0500	ND	<20.0	<25.0	<50.0	ND	<20.0
B-04	8/13/2024	2 - 2.5	Boring	<0.0250	<0.0250	<0.0250	<0.0500	ND	<20.0	<25.0	<50.0	ND	<20.0
		3 - 3.5		<0.0250	<0.0250	<0.0250	<0.0500	ND	<20.0	<25.0	<50.0	ND	<20.0
		4 - 4.5		<0.0250	<0.0250	<0.0250	<0.0500	ND	<20.0	<25.0	<50.0	ND	<20.0
		5 - 5.5		<0.0250	<0.0250	<0.0250	<0.0500	ND	<20.0	<25.0	<50.0	ND	49.4
B-05	8/13/2024	3 - 3.5	Boring	<0.0250	<0.0250	<0.0250	<0.0500	ND	<20.0	<25.0	<50.0	ND	52.3
		4 - 4.5		<0.0250	<0.0250	<0.0250	<0.0500	ND	<20.0	<25.0	<50.0	ND	<20.0
		5 - 5.5		<0.0250	<0.0250	<0.0250	<0.0500	ND	<20.0	<25.0	<50.0	ND	<20.0
		6 - 6.5		<0.0250	<0.0250	<0.0250	<0.0500	ND	<20.0	<25.0	<50.0	ND	<20.0
B-06	8/13/2024	1 ft horz	Boring	<0.0250	<0.0250	<0.0250	<0.0500	ND	<20.0	<25.0	<50.0	ND	39.8
		2 ft horz		<0.0250	<0.0250	<0.0250	<0.0500	ND	<20.0	<25.0	<50.0	ND	<20.0
		3 ft horz		<0.0250	<0.0250	<0.0250	<0.0500	ND	<20.0	<25.0	<50.0	ND	<20.0
B-07	8/23/2024	3 - 3.5	Boring	--	--	--	--	--	--	--	--	--	163
B-08	8/23/2024	2.5 - 3	Boring	--	--	--	--	--	--	--	--	--	31.2

Notes: BTEX - benzene, toluene, ethylbenzene, and xylenes
 TPH - total petroleum hydrocarbons
 GRO - gasoline range organics
 DRO - diesel range organics
 MRO - motor oil range organics

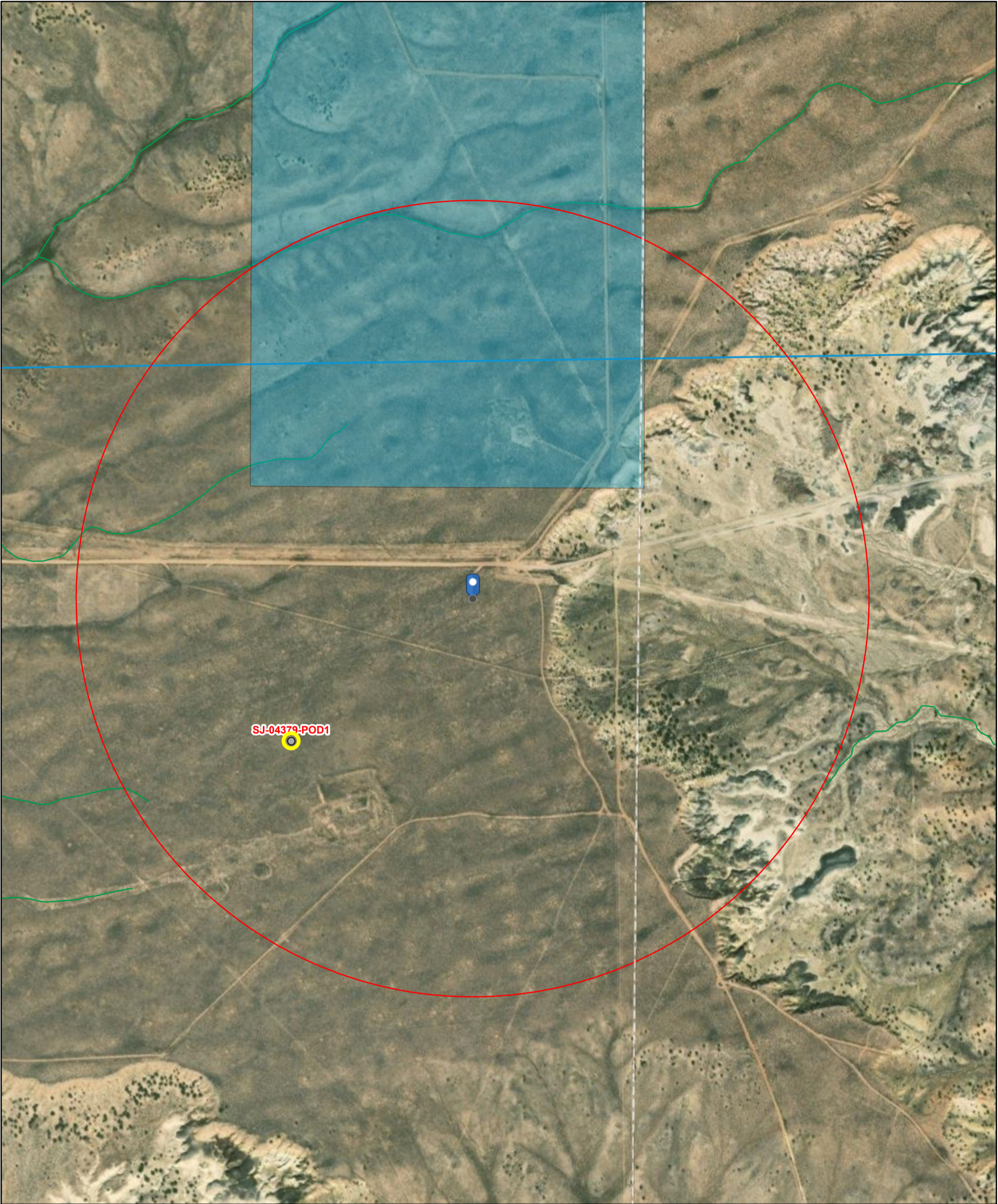
ft - feet
 bgs - below grade surface
 mg/kg - milligram per kilogram
 ND - not detectable above laboratory reporting limits
 "--" not applicable

Remediation Plan
NAU CLF Filter Pot Release (nAPP2421852910)

Appendix A

Appendix A: Well Log and NMOSE Registered Water Well Documentation

OSE POD Location Map



8/7/2024, 11:15:05 AM

GIS WATERS PODs

- Active
-

OSE District Boundary

Water Right Regulations

Artesian Planning Area

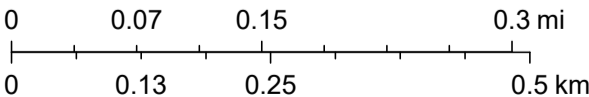
New Mexico State Trust Lands

Both Estates

NHD Flowlines

Stream River

1:9,028





Esri, HERE, iPC, Esri, HERE, Garmin, iPC, Maxar



New Mexico Office of the State Engineer

Active & Inactive Points of Diversion

			(acre ft per annum)	(R=POD has been replaced and no longer serves this file, C=the file is closed)						(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest)						(NAD83 UTM in meters)				(meters)		(in feet)		(in feet)
WR File Nbr	Sub basin	Use	Diversion	County	POD Number	Well Tag	Code	Grant	Source	q64	q16	q4	Sec	Tw	Range	X	Y	Map	Distance	Start Date	End Date	Depth Well	Depth Water	
SJ 00949	SJ	MIN	1000.000	SJ	SJ 00949 -S				Artesian	NW	SW	NE	01	22N	08W	263242.0	4006176.0 *		466.1	1980-05-19	1980-05-29	2647	1106	
SJ 04379	SJ	STK	3.000	SJ	SJ 04379 POD1	5005A				NE	SW	NW	01	22N	08W	263241.6	4006175.1		466.9			2647		

Record Count: 2

Filters Applied:

UTM Filters (in meters):

Easting: 263617.319
Northing: 4006452.334
Radius: 805

Sorted By: Distance


* UTM location was derived from PLSS - see Help

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

Point of Diversion Summary

quarters are 1=NW 2=NE 3=SW 4=SE
quarters are smallest to largest

NAD83 UTM in meters

Well Tag	POD Nbr	Q64	Q16	Q4	Sec	Tw	Rng	X	Y	Map
	SJ 00949 -S	NW	SW	NE	01	22N	08W	263242.0	4006176.0 *	

* UTM location was derived from PLSS - see Help

Driller License:	709	Driller Company:	KEY ENERGY SERVICES, INC.		
Driller Name:					
Drill Start Date:	1980-05-19	Drill Finish Date:	1980-05-29	Plug Date:	
Log File Date:	1980-08-01	PCW Rcv Date:	1984-03-15	Source:	Artesian
Pump Type:		Pipe Discharge Size:		Estimated Yield:	400
Casing Size:	13.38	Depth Well:	2647	Depth Water:	1106

Water Bearing Stratifications:

Top	Bottom	Description
2037	2634	Sandstone/Gravel/Conglomerate

Casing Perforations:


Top	Bottom
2046	2609

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.

Point of Diversion Summary

quarters are 1=NW 2=NE 3=SW 4=SE
quarters are smallest to largest

NAD83 UTM in meters

Well Tag	POD Nbr	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map
5005A	SJ 04379 POD1	NE	SW	NW	01	22N	08W	263241.6	4006175.1	

* UTM location was derived from PLSS - see Help

Driller License:	709	Driller Company:	KEY ENERGY SERVICES, INC.
Driller Name:	CHAVEZ, JACOBR C.N E.ZA		
Drill Start Date:	Drill Finish Date:		Plug Date:
Log File Date:	PCW Rcv Date:		Source:
Pump Type:	Pipe Discharge Size:		Estimated Yield:
Casing Size:	10.75	Depth Well:	2647
		Depth Water:	

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.

Remediation Plan
NAU CLF Filter Pot Release (nAPP2421852910)

Appendix B

Appendix B: Wetland Map



NAU CLF Filter Pot



October 21, 2024

Wetlands

- | | | |
|--------------------------------|-----------------------------------|----------|
| Estuarine and Marine Deepwater | Freshwater Emergent Wetland | Lake |
| Estuarine and Marine Wetland | Freshwater Forested/Shrub Wetland | Other |
| | Freshwater Pond | Riverine |

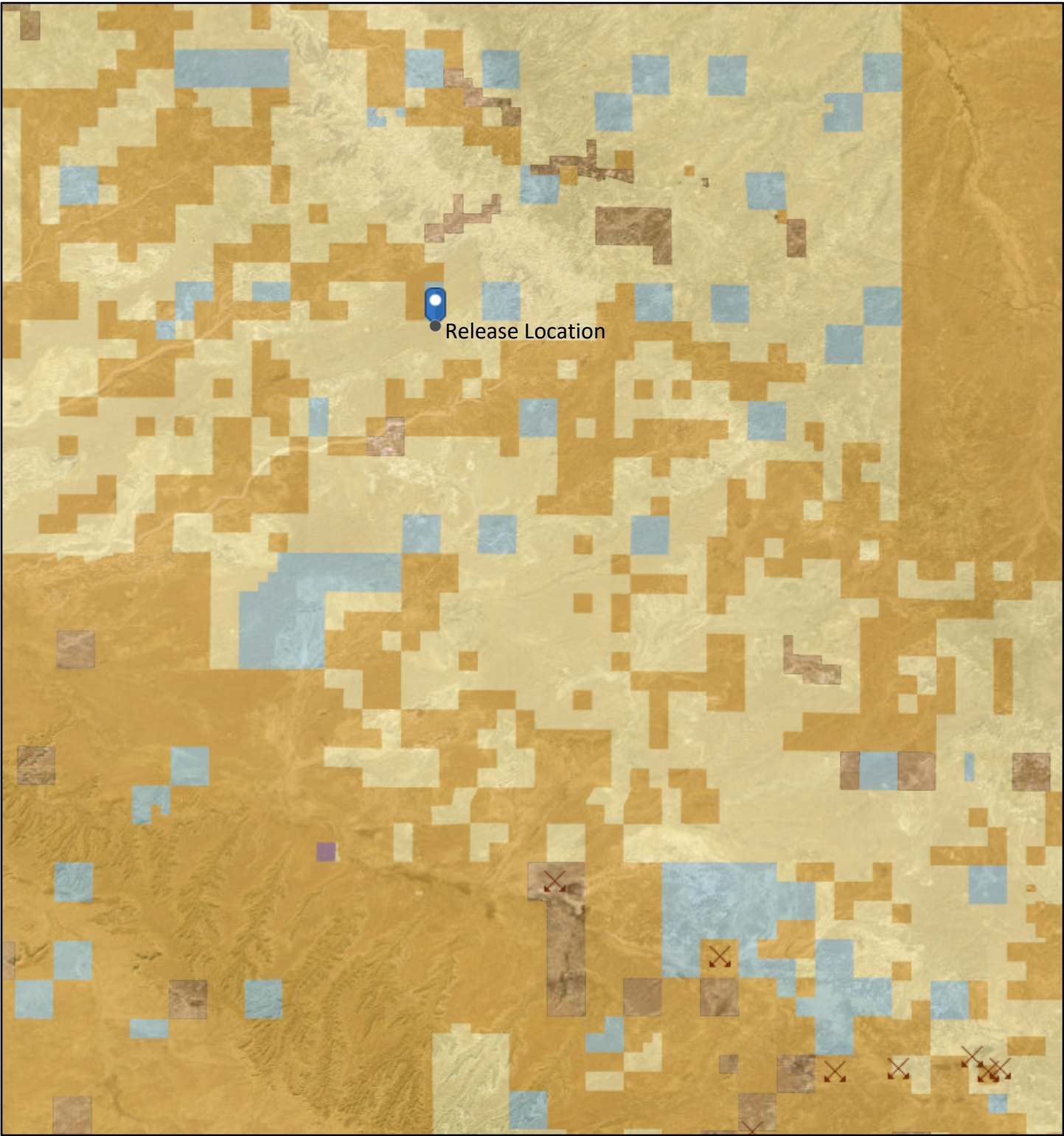
This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

Remediation Plan
NAU CLF Filter Pot Release (nAPP2421852910)

Appendix C

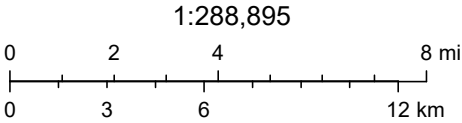
Appendix C: Mine Maps

Active Mines in New Mexico



10/21/2024, 11:52:53 AM

- Registered Mines
- Humate
 - NPS
- Land Ownership
- BLM
 - S



U.S. BLM, Earthstar Geographics

Remediation Plan
NAU CLF Filter Pot Release (nAPP2421852910)

Appendix D

Appendix D: Floodplain Map

National Flood Hazard Layer FIRMette



107°38'W 36°10'41"N



1:6,000

107°37'23"W 36°10'12"N

Legend

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

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



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

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 10/21/2024 at 2:02 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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


Remediation Plan
NAU CLF Filter Pot Release (nAPP2421852910)


Appendix E

Appendix E: Photograph Log

Photograph Log


NAU CLF Filter Pot Release Remediation


Site: NAU CLF Filter Pot Release Remediation	 <p>Local Time: Aug 13, 2024 2:51:46 PM Lat, Lon: 36.173948, -107.628182 Alt: 2104m MSL WGS84 CEP: 4m</p> <p>Azimuth and Bearing 2° N1E</p> <p>0° -1.9° -5°</p> <p>-30° -15° -10.8° 0°</p> <p>NW N NE </p>
Incident: nAPP2421852910	
GPS: 36.17404, -107.62826	
Date of Photo: 8/13/2024	
Taken by: Heather Woods	Description: Facing north, view of excavation extents on 8/13/2024.

Site: NAU CLF Filter Pot Release Remediation	 <p>Local Time: Aug 13, 2024 3:04:47 PM Lat, Lon: 36.174291, -107.628244 Alt: 2103.8m MSL WGS84 CEP: 4m</p> <p>Azimuth and Bearing 141° S50E</p> <p>+5° 0° 8°</p> <p>-30° -15° -9.9° 0°</p> <p>E SE S </p>
Incident: nAPP2421852910	
GPS: 36.17404, -107.62826	
Date of Photo: 8/13/2024	
Taken by: Heather Woods	Description: Facing south, view of excavation extents on 8/13/2024.

Photograph Log


NAU CLF Filter Pot Release Remediation


Site: NAU CLF Filter Pot Release Remediation	 <p>Local Time: Aug 13, 2024 2:51:50 PM Lat, Lon: 36.173947, -107.628185 Alt: 2102.7m MSL WGS84 CEP: 4m</p> <p>Azimuth and Bearing 305° N34W</p> <p>0° -3° -5°</p> <p>-30° -15° 0°</p> <p>-14.7°</p> <p>W NW</p>
Incident: nAPP2421852910	
GPS: 36.17404, -107.62826	
Date of Photo: 8/13/2024	
Taken by: Heather Woods	Description: Facing northwest, view of excavation extents on 8/13/2024.

Site: NAU CLF Filter Pot Release Remediation	 <p>Local Time: Aug 13, 2024 2:52:07 PM Lat, Lon: 36.173956, -107.628323 Alt: 2103.7m MSL WGS84 CEP: 4m</p> <p>Azimuth and Bearing 352° N82W</p> <p>0° -6° -5°</p> <p>-30° -15° 0°</p> <p>-13.5°</p> <p>NW N NE</p>
Incident: nAPP2421852910	
GPS: 36.17404, -107.62826	
Date of Photo: 8/13/2024	
Taken by: Heather Woods	Description: Facing north, view of excavation extents on 8/13/2024.

Photograph Log


NAU CLF Filter Pot Release Remediation


Site: NAU CLF Filter Pot Release Remediation	 <p>Local Time: Aug 13, 2024 3:05:25 PM Lat, Lon: 36.1742, -107.628328 Alt: 2100.6m MSL WGS84 CEP 4m</p> <p>Azimuth and Bearing 174° S83E</p> <p>0° -5° -5° -30° -15° -12.0° 0°</p> <p>SE S SW</p>
Incident: nAPP2421852910	
GPS: 36.17404, -107.62826	
Date of Photo: 8/13/2024	
Taken by: Heather Woods	
Description: Facing south, view of excavation extents on 8/13/2024.	

Site: NAU CLF Filter Pot Release Remediation	 <p>Local Time: Aug 13, 2024 3:06:02 PM Lat, Lon: 36.174166, -107.628337 Alt: 2102.5m MSL WGS84 CEP 4m</p> <p>Azimuth and Bearing 9° N9E</p> <p>0° -2.7° -5° -30° -15° -14.5° 0°</p> <p>NW N NE</p>
Incident: nAPP2421852910	
GPS: 36.17404, -107.62826	
Date of Photo: 8/13/2024	
Taken by: Heather Woods	
Description: Facing north, view of excavation extents on 8/13/2024.	

Photograph Log


NAU CLF Filter Pot Release Remediation

Site: NAU CLF Filter Pot Release Remediation	 <p>Local Time: Aug 13, 2024 3:04:16 PM Lat, Lon: 36.174403, -107.628296 Alt: 2105.8m MSL WGS84 CEP: 4m</p> <p>Azimuth and Bearing 178° S88E</p> <p>0° -1.2° -5°</p> <p>-30° -15° 0°</p> <p>SE S SW</p> <p>Description: Facing south- view of excavation extents on 2/21/2024.</p>
Incident: nAPP2421852910	
GPS: 36.17404, -107.62826	
Date of Photo: 8/13/2024	
Taken by: Heather Woods	

Site: NAU CLF Filter Pot Release Remediation	 <p>Local Time: Aug 13, 2024 3:05:29 PM Lat, Lon: 36.174197, -107.628328 Alt: 2100.5m MSL WGS84 CEP: 4m</p> <p>Azimuth and Bearing 73° N72E</p> <p>0° -5° -5°</p> <p>-30° -15° -9.9° 0° 5°</p> <p>NE E</p>
Incident: nAPP2421852910	
GPS: 36.17404, -107.62826	
Date of Photo: 8/13/2024	
Taken by: Heather Woods	
Description: Facing east, view of excavation extents on 8/13/2024.	

Photograph Log

NAU CLF Filter Pot Release Remediation

Site: NAU CLF Filter Pot Release Remediation	 <p>Local Time: Aug 23, 2024 9:48:18 AM Lat, Lon: 36.174386, -107.62834 Alt: 2097.7m MSL WGS84 CEP: 4m</p> <p>Azimuth and Bearing 139° S49E</p> <p>0° -5° -5°</p> <p>-30° -14.5° -15° 0°</p> <p>E SE S</p>
Incident: nAPP2421852910	
GPS: 36.17404, -107.62826	
Date of Photo: 8/23/2024	
Taken by: Heather Woods	
Description: Facing south, view of final excavation extents.	

Site: NAU CLF Filter Pot Release Remediation	 <p>Local Time: Aug 23, 2024 9:48:18 AM Lat, Lon: 36.17425, -107.628396 Alt: 2098.3m MSL WGS84 CEP: 4m</p> <p>Azimuth and Bearing 173° S82E</p> <p>+5° 0° -13.3° -30°</p> <p>SE S SW</p>
Incident: nAPP2421852910	
GPS: 36.17404, -107.62826	
Date of Photo: 8/23/2024	
Taken by: Heather Woods	
Description: Facing south, view of final excavation extents.	

Photograph Log

NAU CLF Filter Pot Release Remediation

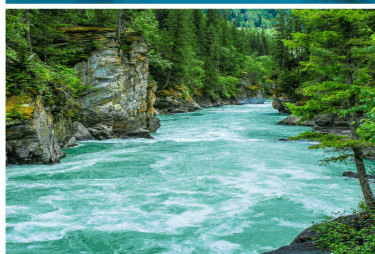
Site: NAU CLF Filter Pot Release Remediation	 <p>Local Time: Aug 23, 2024 9:49:38 AM Lat, Lon: 36.173919, -107.628268 Alt: 2100.4m MSL WGS84 CEP: 4m</p> <p>Azimuth and Bearing T4° N13E</p> <p>0° -6° -5°</p> <p>-30° -15° -12.5° 0°</p> <p>NW N NE </p>
Incident: nAPP2421852910	
GPS: 36.17404, -107.62826	
Date of Photo: 8/23/2024	
Taken by: Heather Woods	
Description: Facing north, view of final excavation extents.	

Remediation Plan
NAU CLF Filter Pot Release (nAPP2421852910)

Appendix F

Appendix F: Laboratory Analytical Reports

Report to:
Heather Woods



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Whiptail Midstream LLC

Project Name: NAU CLF FP

Work Order: E408131

Job Number: 17010-0011

Received: 8/13/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
8/20/24

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.

Date Reported: 8/20/24

Heather Woods
504 S. Bloomfield Blvd.
Bloomfield, NM 87413



Project Name: NAU CLF FP
Workorder: E408131
Date Received: 8/13/2024 4:53:00PM

Heather Woods,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/13/2024 4:53:00PM, under the Project Name: NAU CLF FP.

The analytical test results summarized in this report with the Project Name: NAU CLF FP apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
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Cell: 775-287-1762
whinchman@envirotech-inc.com

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Sample Summary

Whiptail Midstream LLC	Project Name:	NAU CLF FP	Reported:
504 S. Bloomfield Blvd.	Project Number:	17010-0011	
Bloomfield NM, 87413	Project Manager:	Heather Woods	08/20/24 08:49

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS-1	E408131-01A	Soil	08/13/24	08/13/24	Glass Jar, 2 oz.
CS-2	E408131-02A	Soil	08/13/24	08/13/24	Glass Jar, 2 oz.
CS-3	E408131-03A	Soil	08/13/24	08/13/24	Glass Jar, 2 oz.
CS-4	E408131-04A	Soil	08/13/24	08/13/24	Glass Jar, 2 oz.
CS-5	E408131-05A	Soil	08/13/24	08/13/24	Glass Jar, 2 oz.
CS-6	E408131-06A	Soil	08/13/24	08/13/24	Glass Jar, 2 oz.
CS-7	E408131-07A	Soil	08/13/24	08/13/24	Glass Jar, 2 oz.
CS-8	E408131-08A	Soil	08/13/24	08/13/24	Glass Jar, 2 oz.
CS-9	E408131-09A	Soil	08/13/24	08/13/24	Glass Jar, 2 oz.
CS-10	E408131-10A	Soil	08/13/24	08/13/24	Glass Jar, 2 oz.
CS-11	E408131-11A	Soil	08/13/24	08/13/24	Glass Jar, 2 oz.
CS-12	E408131-12A	Soil	08/13/24	08/13/24	Glass Jar, 2 oz.
CS-13	E408131-13A	Soil	08/13/24	08/13/24	Glass Jar, 2 oz.
CS-14	E408131-14A	Soil	08/13/24	08/13/24	Glass Jar, 2 oz.
CS-15	E408131-15A	Soil	08/13/24	08/13/24	Glass Jar, 2 oz.
CS-16	E408131-16A	Soil	08/13/24	08/13/24	Glass Jar, 2 oz.
CS-17	E408131-17A	Soil	08/13/24	08/13/24	Glass Jar, 2 oz.
CS-18	E408131-18A	Soil	08/13/24	08/13/24	Glass Jar, 2 oz.
CS-19	E408131-19A	Soil	08/13/24	08/13/24	Glass Jar, 2 oz.
CS-20	E408131-20A	Soil	08/13/24	08/13/24	Glass Jar, 2 oz.

Sample Data

Whiptail Midstream LLC 504 S. Bloomfield Blvd. Bloomfield NM, 87413	Project Name: NAU CLF FP Project Number: 17010-0011 Project Manager: Heather Woods	Reported: 8/20/2024 8:49:34AM
---	--	----------------------------------

CS-1

E408131-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG		Batch: 2433069	
Benzene	ND	0.0250	1	08/14/24	08/15/24	
Ethylbenzene	ND	0.0250	1	08/14/24	08/15/24	
Toluene	ND	0.0250	1	08/14/24	08/15/24	
o-Xylene	ND	0.0250	1	08/14/24	08/15/24	
p,m-Xylene	ND	0.0500	1	08/14/24	08/15/24	
Total Xylenes	ND	0.0250	1	08/14/24	08/15/24	
Surrogate: 4-Bromochlorobenzene-PID	90.6 %	70-130		08/14/24	08/15/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG		Batch: 2433069	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/14/24	08/15/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	93.9 %	70-130		08/14/24	08/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2433074	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/14/24	08/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/14/24	08/14/24	
Surrogate: n-Nonane	114 %	50-200		08/14/24	08/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2433078	
Chloride	297	20.0	1	08/14/24	08/14/24	



Sample Data

Whiptail Midstream LLC
504 S. Bloomfield Blvd.
Bloomfield NM, 87413

Project Name: NAU CLF FP
Project Number: 17010-0011
Project Manager: Heather Woods

Reported:
8/20/2024 8:49:34AM

CS-2

E408131-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: CG		Batch: 2433069	
Benzene	ND	0.0250	1	08/14/24	08/15/24	
Ethylbenzene	ND	0.0250	1	08/14/24	08/15/24	
Toluene	ND	0.0250	1	08/14/24	08/15/24	
o-Xylene	ND	0.0250	1	08/14/24	08/15/24	
p,m-Xylene	ND	0.0500	1	08/14/24	08/15/24	
Total Xylenes	ND	0.0250	1	08/14/24	08/15/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.1 %	70-130		08/14/24	08/15/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: CG		Batch: 2433069	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/14/24	08/15/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.9 %	70-130		08/14/24	08/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2433074	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/14/24	08/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/14/24	08/14/24	
<i>Surrogate: n-Nonane</i>						
	110 %	50-200		08/14/24	08/14/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2433078	
Chloride	38.1	20.0	1	08/14/24	08/14/24	



Sample Data

Whiptail Midstream LLC	Project Name:	NAU CLF FP	
504 S. Bloomfield Blvd.	Project Number:	17010-0011	Reported:
Bloomfield NM, 87413	Project Manager:	Heather Woods	8/20/2024 8:49:34AM

CS-3

E408131-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG		Batch: 2433069	
Benzene	ND	0.0250	1	08/14/24	08/15/24	
Ethylbenzene	ND	0.0250	1	08/14/24	08/15/24	
Toluene	ND	0.0250	1	08/14/24	08/15/24	
o-Xylene	ND	0.0250	1	08/14/24	08/15/24	
p,m-Xylene	ND	0.0500	1	08/14/24	08/15/24	
Total Xylenes	ND	0.0250	1	08/14/24	08/15/24	
Surrogate: 4-Bromochlorobenzene-PID	89.0 %	70-130		08/14/24	08/15/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG		Batch: 2433069	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/14/24	08/15/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	93.3 %	70-130		08/14/24	08/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2433074	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/14/24	08/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/14/24	08/14/24	
Surrogate: n-Nonane	108 %	50-200		08/14/24	08/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2433078	
Chloride	ND	20.0	1	08/14/24	08/14/24	



Sample Data

Whiptail Midstream LLC	Project Name:	NAU CLF FP	
504 S. Bloomfield Blvd.	Project Number:	17010-0011	Reported:
Bloomfield NM, 87413	Project Manager:	Heather Woods	8/20/2024 8:49:34AM

CS-4

E408131-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		mg/kg	mg/kg	Analyst: CG		Batch: 2433069
Benzene	ND	0.0250	1	08/14/24	08/15/24	
Ethylbenzene	ND	0.0250	1	08/14/24	08/15/24	
Toluene	ND	0.0250	1	08/14/24	08/15/24	
o-Xylene	ND	0.0250	1	08/14/24	08/15/24	
p,m-Xylene	ND	0.0500	1	08/14/24	08/15/24	
Total Xylenes	ND	0.0250	1	08/14/24	08/15/24	
Surrogate: 4-Bromochlorobenzene-PID		90.5 %	70-130	08/14/24	08/15/24	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: CG		Batch: 2433069
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/14/24	08/15/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.0 %	70-130	08/14/24	08/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: NV		Batch: 2433074
Diesel Range Organics (C10-C28)	ND	25.0	1	08/14/24	08/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/14/24	08/14/24	
Surrogate: n-Nonane		113 %	50-200	08/14/24	08/14/24	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: DT		Batch: 2433078
Chloride	ND	20.0	1	08/14/24	08/14/24	



Sample Data

Whiptail Midstream LLC	Project Name:	NAU CLF FP	
504 S. Bloomfield Blvd.	Project Number:	17010-0011	Reported:
Bloomfield NM, 87413	Project Manager:	Heather Woods	8/20/2024 8:49:34AM

CS-5

E408131-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG		Batch: 2433069	
Benzene	ND	0.0250	1	08/14/24	08/15/24	
Ethylbenzene	ND	0.0250	1	08/14/24	08/15/24	
Toluene	ND	0.0250	1	08/14/24	08/15/24	
o-Xylene	ND	0.0250	1	08/14/24	08/15/24	
p,m-Xylene	ND	0.0500	1	08/14/24	08/15/24	
Total Xylenes	ND	0.0250	1	08/14/24	08/15/24	
Surrogate: 4-Bromochlorobenzene-PID	88.1 %	70-130		08/14/24	08/15/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG		Batch: 2433069	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/14/24	08/15/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	94.0 %	70-130		08/14/24	08/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2433074	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/14/24	08/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/14/24	08/14/24	
Surrogate: n-Nonane	110 %	50-200		08/14/24	08/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2433078	
Chloride	26.9	20.0	1	08/14/24	08/14/24	



Sample Data

Whiptail Midstream LLC
504 S. Bloomfield Blvd.
Bloomfield NM, 87413

Project Name: NAU CLF FP
Project Number: 17010-0011
Project Manager: Heather Woods

Reported:
8/20/2024 8:49:34AM

CS-6

E408131-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: CG		Batch: 2433069	
Benzene	ND	0.0250	1	08/14/24	08/15/24	
Ethylbenzene	ND	0.0250	1	08/14/24	08/15/24	
Toluene	ND	0.0250	1	08/14/24	08/15/24	
o-Xylene	ND	0.0250	1	08/14/24	08/15/24	
p,m-Xylene	ND	0.0500	1	08/14/24	08/15/24	
Total Xylenes	ND	0.0250	1	08/14/24	08/15/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.1 %	70-130		08/14/24	08/15/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: CG		Batch: 2433069	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/14/24	08/15/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.1 %	70-130		08/14/24	08/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2433074	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/14/24	08/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/14/24	08/14/24	
<i>Surrogate: n-Nonane</i>						
	114 %	50-200		08/14/24	08/14/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2433078	
Chloride	34.8	20.0	1	08/14/24	08/14/24	



Sample Data

Whiptail Midstream LLC	Project Name:	NAU CLF FP	Reported: 8/20/2024 8:49:34AM
504 S. Bloomfield Blvd.	Project Number:	17010-0011	
Bloomfield NM, 87413	Project Manager:	Heather Woods	

CS-7

E408131-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: CG		Batch: 2433069	
Benzene	ND	0.0250	1	08/14/24	08/15/24	
Ethylbenzene	ND	0.0250	1	08/14/24	08/15/24	
Toluene	ND	0.0250	1	08/14/24	08/15/24	
o-Xylene	ND	0.0250	1	08/14/24	08/15/24	
p,m-Xylene	ND	0.0500	1	08/14/24	08/15/24	
Total Xylenes	ND	0.0250	1	08/14/24	08/15/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	89.2 %	70-130		08/14/24	08/15/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: CG		Batch: 2433069	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/14/24	08/15/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.8 %	70-130		08/14/24	08/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2433074	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/14/24	08/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/14/24	08/14/24	
<i>Surrogate: n-Nonane</i>						
	113 %	50-200		08/14/24	08/14/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2433078	
Chloride	ND	20.0	1	08/14/24	08/14/24	



Sample Data

Whiptail Midstream LLC	Project Name:	NAU CLF FP	Reported: 8/20/2024 8:49:34AM
504 S. Bloomfield Blvd.	Project Number:	17010-0011	
Bloomfield NM, 87413	Project Manager:	Heather Woods	

CS-8

E408131-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: CG		Batch: 2433069	
Benzene	ND	0.0250	1	08/14/24	08/15/24	
Ethylbenzene	ND	0.0250	1	08/14/24	08/15/24	
Toluene	ND	0.0250	1	08/14/24	08/15/24	
o-Xylene	ND	0.0250	1	08/14/24	08/15/24	
p,m-Xylene	ND	0.0500	1	08/14/24	08/15/24	
Total Xylenes	ND	0.0250	1	08/14/24	08/15/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	88.8 %	70-130		08/14/24	08/15/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: CG		Batch: 2433069	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/14/24	08/15/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.2 %	70-130		08/14/24	08/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2433074	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/14/24	08/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/14/24	08/14/24	
<i>Surrogate: n-Nonane</i>						
	113 %	50-200		08/14/24	08/14/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2433078	
Chloride	38.2	20.0	1	08/14/24	08/14/24	



Sample Data

Whiptail Midstream LLC	Project Name:	NAU CLF FP	Reported: 8/20/2024 8:49:34AM
504 S. Bloomfield Blvd.	Project Number:	17010-0011	
Bloomfield NM, 87413	Project Manager:	Heather Woods	

CS-9

E408131-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		mg/kg	mg/kg	Analyst: CG		Batch: 2433069
Benzene	ND	0.0250	1	08/14/24	08/15/24	
Ethylbenzene	ND	0.0250	1	08/14/24	08/15/24	
Toluene	ND	0.0250	1	08/14/24	08/15/24	
o-Xylene	ND	0.0250	1	08/14/24	08/15/24	
p,m-Xylene	ND	0.0500	1	08/14/24	08/15/24	
Total Xylenes	ND	0.0250	1	08/14/24	08/15/24	
Surrogate: 4-Bromochlorobenzene-PID		91.0 %	70-130	08/14/24	08/15/24	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: CG		Batch: 2433069
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/14/24	08/15/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.7 %	70-130	08/14/24	08/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: NV		Batch: 2433074
Diesel Range Organics (C10-C28)	ND	25.0	1	08/14/24	08/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/14/24	08/14/24	
Surrogate: n-Nonane		113 %	50-200	08/14/24	08/14/24	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: DT		Batch: 2433078
Chloride	58.0	20.0	1	08/14/24	08/14/24	



Sample Data

Whiptail Midstream LLC
504 S. Bloomfield Blvd.
Bloomfield NM, 87413

Project Name: NAU CLF FP
Project Number: 17010-0011
Project Manager: Heather Woods

Reported:
8/20/2024 8:49:34AM

CS-10

E408131-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: CG		Batch: 2433069	
Benzene	ND	0.0250	1	08/14/24	08/15/24	
Ethylbenzene	ND	0.0250	1	08/14/24	08/15/24	
Toluene	ND	0.0250	1	08/14/24	08/15/24	
o-Xylene	ND	0.0250	1	08/14/24	08/15/24	
p,m-Xylene	ND	0.0500	1	08/14/24	08/15/24	
Total Xylenes	ND	0.0250	1	08/14/24	08/15/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.0 %	70-130		08/14/24	08/15/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: CG		Batch: 2433069	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/14/24	08/15/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.1 %	70-130		08/14/24	08/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2433074	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/14/24	08/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/14/24	08/14/24	
<i>Surrogate: n-Nonane</i>						
	116 %	50-200		08/14/24	08/14/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2433078	
Chloride	34.0	20.0	1	08/14/24	08/14/24	



Sample Data

Whiptail Midstream LLC	Project Name:	NAU CLF FP	
504 S. Bloomfield Blvd.	Project Number:	17010-0011	Reported:
Bloomfield NM, 87413	Project Manager:	Heather Woods	8/20/2024 8:49:34AM

CS-11

E408131-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG		Batch: 2433069	
Benzene	ND	0.0250	1	08/14/24	08/15/24	
Ethylbenzene	ND	0.0250	1	08/14/24	08/15/24	
Toluene	ND	0.0250	1	08/14/24	08/15/24	
o-Xylene	ND	0.0250	1	08/14/24	08/15/24	
p,m-Xylene	ND	0.0500	1	08/14/24	08/15/24	
Total Xylenes	ND	0.0250	1	08/14/24	08/15/24	
Surrogate: 4-Bromochlorobenzene-PID	90.5 %	70-130		08/14/24	08/15/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG		Batch: 2433069	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/14/24	08/15/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	94.2 %	70-130		08/14/24	08/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2433074	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/14/24	08/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/14/24	08/14/24	
Surrogate: n-Nonane	114 %	50-200		08/14/24	08/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2433078	
Chloride	67.3	20.0	1	08/14/24	08/14/24	



Sample Data

Whiptail Midstream LLC	Project Name:	NAU CLF FP	
504 S. Bloomfield Blvd.	Project Number:	17010-0011	Reported:
Bloomfield NM, 87413	Project Manager:	Heather Woods	8/20/2024 8:49:34AM

CS-12

E408131-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		mg/kg	mg/kg	Analyst: CG		Batch: 2433069
Benzene	ND	0.0250	1	08/14/24	08/15/24	
Ethylbenzene	ND	0.0250	1	08/14/24	08/15/24	
Toluene	ND	0.0250	1	08/14/24	08/15/24	
o-Xylene	ND	0.0250	1	08/14/24	08/15/24	
p,m-Xylene	ND	0.0500	1	08/14/24	08/15/24	
Total Xylenes	ND	0.0250	1	08/14/24	08/15/24	
Surrogate: 4-Bromochlorobenzene-PID		89.7 %	70-130	08/14/24	08/15/24	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: CG		Batch: 2433069
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/14/24	08/15/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.1 %	70-130	08/14/24	08/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: NV		Batch: 2433074
Diesel Range Organics (C10-C28)	ND	25.0	1	08/14/24	08/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/14/24	08/15/24	
Surrogate: n-Nonane		110 %	50-200	08/14/24	08/15/24	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: DT		Batch: 2433078
Chloride	51.4	20.0	1	08/14/24	08/15/24	



Sample Data

Whiptail Midstream LLC	Project Name:	NAU CLF FP	Reported: 8/20/2024 8:49:34AM
504 S. Bloomfield Blvd.	Project Number:	17010-0011	
Bloomfield NM, 87413	Project Manager:	Heather Woods	

CS-13

E408131-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: CG		Batch: 2433069	
Benzene	ND	0.0250	1	08/14/24	08/15/24	
Ethylbenzene	ND	0.0250	1	08/14/24	08/15/24	
Toluene	ND	0.0250	1	08/14/24	08/15/24	
o-Xylene	ND	0.0250	1	08/14/24	08/15/24	
p,m-Xylene	ND	0.0500	1	08/14/24	08/15/24	
Total Xylenes	ND	0.0250	1	08/14/24	08/15/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.1 %	70-130		08/14/24	08/15/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: CG		Batch: 2433069	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/14/24	08/15/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.1 %	70-130		08/14/24	08/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2433074	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/14/24	08/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/14/24	08/15/24	
<i>Surrogate: n-Nonane</i>						
	112 %	50-200		08/14/24	08/15/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2433078	
Chloride	155	20.0	1	08/14/24	08/15/24	



Sample Data

Whiptail Midstream LLC 504 S. Bloomfield Blvd. Bloomfield NM, 87413	Project Name: NAU CLF FP Project Number: 17010-0011 Project Manager: Heather Woods	Reported: 8/20/2024 8:49:34AM
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CS-14

E408131-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: CG		Batch: 2433069	
Benzene	ND	0.0250	1	08/14/24	08/15/24	
Ethylbenzene	ND	0.0250	1	08/14/24	08/15/24	
Toluene	ND	0.0250	1	08/14/24	08/15/24	
o-Xylene	ND	0.0250	1	08/14/24	08/15/24	
p,m-Xylene	ND	0.0500	1	08/14/24	08/15/24	
Total Xylenes	ND	0.0250	1	08/14/24	08/15/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	88.3 %	70-130		08/14/24	08/15/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: CG		Batch: 2433069	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/14/24	08/15/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.6 %	70-130		08/14/24	08/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2433074	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/14/24	08/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/14/24	08/15/24	
<i>Surrogate: n-Nonane</i>						
	109 %	50-200		08/14/24	08/15/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2433078	
Chloride	26.3	20.0	1	08/14/24	08/15/24	



Sample Data

Whiptail Midstream LLC	Project Name:	NAU CLF FP	Reported: 8/20/2024 8:49:34AM
504 S. Bloomfield Blvd.	Project Number:	17010-0011	
Bloomfield NM, 87413	Project Manager:	Heather Woods	

CS-15

E408131-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: CG		Batch: 2433069	
Benzene	ND	0.0250	1	08/14/24	08/15/24	
Ethylbenzene	ND	0.0250	1	08/14/24	08/15/24	
Toluene	ND	0.0250	1	08/14/24	08/15/24	
o-Xylene	ND	0.0250	1	08/14/24	08/15/24	
p,m-Xylene	ND	0.0500	1	08/14/24	08/15/24	
Total Xylenes	ND	0.0250	1	08/14/24	08/15/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	89.5 %	70-130		08/14/24	08/15/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: CG		Batch: 2433069	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/14/24	08/15/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.6 %	70-130		08/14/24	08/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2433074	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/14/24	08/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/14/24	08/15/24	
<i>Surrogate: n-Nonane</i>						
	108 %	50-200		08/14/24	08/15/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2433078	
Chloride	55.0	20.0	1	08/14/24	08/15/24	



Sample Data

Whiptail Midstream LLC	Project Name:	NAU CLF FP	Reported: 8/20/2024 8:49:34AM
504 S. Bloomfield Blvd.	Project Number:	17010-0011	
Bloomfield NM, 87413	Project Manager:	Heather Woods	

CS-16

E408131-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: CG		Batch: 2433069	
Benzene	ND	0.0250	1	08/14/24	08/15/24	
Ethylbenzene	ND	0.0250	1	08/14/24	08/15/24	
Toluene	ND	0.0250	1	08/14/24	08/15/24	
o-Xylene	ND	0.0250	1	08/14/24	08/15/24	
p,m-Xylene	ND	0.0500	1	08/14/24	08/15/24	
Total Xylenes	ND	0.0250	1	08/14/24	08/15/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.1 %	70-130		08/14/24	08/15/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: CG		Batch: 2433069	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/14/24	08/15/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.4 %	70-130		08/14/24	08/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2433074	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/14/24	08/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/14/24	08/15/24	
<i>Surrogate: n-Nonane</i>						
	114 %	50-200		08/14/24	08/15/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2433078	
Chloride	21.9	20.0	1	08/14/24	08/15/24	



Sample Data

Whiptail Midstream LLC	Project Name:	NAU CLF FP	Reported: 8/20/2024 8:49:34AM
504 S. Bloomfield Blvd.	Project Number:	17010-0011	
Bloomfield NM, 87413	Project Manager:	Heather Woods	

CS-17

E408131-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		mg/kg	mg/kg	Analyst: CG		Batch: 2433069
Benzene	ND	0.0250	1	08/14/24	08/15/24	
Ethylbenzene	ND	0.0250	1	08/14/24	08/15/24	
Toluene	ND	0.0250	1	08/14/24	08/15/24	
o-Xylene	ND	0.0250	1	08/14/24	08/15/24	
p,m-Xylene	ND	0.0500	1	08/14/24	08/15/24	
Total Xylenes	ND	0.0250	1	08/14/24	08/15/24	
Surrogate: 4-Bromochlorobenzene-PID		89.3 %	70-130	08/14/24	08/15/24	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: CG		Batch: 2433069
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/14/24	08/15/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.8 %	70-130	08/14/24	08/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: NV		Batch: 2433074
Diesel Range Organics (C10-C28)	ND	25.0	1	08/14/24	08/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/14/24	08/15/24	
Surrogate: n-Nonane		114 %	50-200	08/14/24	08/15/24	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: DT		Batch: 2433078
Chloride	ND	20.0	1	08/14/24	08/15/24	



Sample Data

Whiptail Midstream LLC	Project Name:	NAU CLF FP	
504 S. Bloomfield Blvd.	Project Number:	17010-0011	Reported:
Bloomfield NM, 87413	Project Manager:	Heather Woods	8/20/2024 8:49:34AM

CS-18

E408131-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		mg/kg	mg/kg	Analyst: CG		Batch: 2433069
Benzene	ND	0.0250	1	08/14/24	08/15/24	
Ethylbenzene	ND	0.0250	1	08/14/24	08/15/24	
Toluene	ND	0.0250	1	08/14/24	08/15/24	
o-Xylene	ND	0.0250	1	08/14/24	08/15/24	
p,m-Xylene	ND	0.0500	1	08/14/24	08/15/24	
Total Xylenes	ND	0.0250	1	08/14/24	08/15/24	
Surrogate: 4-Bromochlorobenzene-PID		89.4 %	70-130	08/14/24	08/15/24	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: CG		Batch: 2433069
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/14/24	08/15/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.8 %	70-130	08/14/24	08/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: NV		Batch: 2433074
Diesel Range Organics (C10-C28)	ND	25.0	1	08/14/24	08/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/14/24	08/15/24	
Surrogate: n-Nonane		110 %	50-200	08/14/24	08/15/24	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: DT		Batch: 2433078
Chloride	ND	20.0	1	08/14/24	08/15/24	



Sample Data

Whiptail Midstream LLC	Project Name:	NAU CLF FP	
504 S. Bloomfield Blvd.	Project Number:	17010-0011	Reported:
Bloomfield NM, 87413	Project Manager:	Heather Woods	8/20/2024 8:49:34AM

CS-19

E408131-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: CG		Batch: 2433069	
Benzene	ND	0.0250	1	08/14/24	08/15/24	
Ethylbenzene	ND	0.0250	1	08/14/24	08/15/24	
Toluene	ND	0.0250	1	08/14/24	08/15/24	
o-Xylene	ND	0.0250	1	08/14/24	08/15/24	
p,m-Xylene	ND	0.0500	1	08/14/24	08/15/24	
Total Xylenes	ND	0.0250	1	08/14/24	08/15/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	89.8 %	70-130		08/14/24	08/15/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: CG		Batch: 2433069	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/14/24	08/15/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.5 %	70-130		08/14/24	08/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2433074	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/14/24	08/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/14/24	08/15/24	
<i>Surrogate: n-Nonane</i>						
	112 %	50-200		08/14/24	08/15/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2433078	
Chloride	5960	100	5	08/14/24	08/15/24	



Sample Data

Whiptail Midstream LLC	Project Name:	NAU CLF FP	
504 S. Bloomfield Blvd.	Project Number:	17010-0011	Reported:
Bloomfield NM, 87413	Project Manager:	Heather Woods	8/20/2024 8:49:34AM

CS-20

E408131-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG		Batch: 2433069	
Benzene	ND	0.0250	1	08/14/24	08/15/24	
Ethylbenzene	ND	0.0250	1	08/14/24	08/15/24	
Toluene	ND	0.0250	1	08/14/24	08/15/24	
o-Xylene	ND	0.0250	1	08/14/24	08/15/24	
p,m-Xylene	ND	0.0500	1	08/14/24	08/15/24	
Total Xylenes	ND	0.0250	1	08/14/24	08/15/24	
Surrogate: 4-Bromochlorobenzene-PID	89.3 %	70-130		08/14/24	08/15/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG		Batch: 2433069	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/14/24	08/15/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	93.3 %	70-130		08/14/24	08/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2433074	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/14/24	08/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/14/24	08/15/24	
Surrogate: n-Nonane	122 %	50-200		08/14/24	08/15/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2433078	
Chloride	4400	40.0	2	08/14/24	08/15/24	



QC Summary Data

Whiptail Midstream LLC	Project Name:	NAU CLF FP	Reported:
504 S. Bloomfield Blvd.	Project Number:	17010-0011	
Bloomfield NM, 87413	Project Manager:	Heather Woods	8/20/2024 8:49:34AM

Volatile Organics by EPA 8021B

Analyst: CG

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2433069-BLK1) Prepared: 08/14/24 Analyzed: 08/14/24

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							

Surrogate: 4-Bromochlorobenzene-PID 7.10 8.00 88.8 70-130

LCS (2433069-BS1) Prepared: 08/14/24 Analyzed: 08/15/24

Benzene	4.99	0.0250	5.00		99.8	70-130			
Ethylbenzene	4.81	0.0250	5.00		96.2	70-130			
Toluene	4.91	0.0250	5.00		98.2	70-130			
o-Xylene	4.80	0.0250	5.00		95.9	70-130			
p,m-Xylene	9.75	0.0500	10.0		97.5	70-130			
Total Xylenes	14.5	0.0250	15.0		97.0	70-130			

Surrogate: 4-Bromochlorobenzene-PID 7.13 8.00 89.2 70-130

Matrix Spike (2433069-MS1) Source: E408131-05 Prepared: 08/14/24 Analyzed: 08/15/24

Benzene	4.29	0.0250	5.00	ND	85.8	54-133			
Ethylbenzene	4.09	0.0250	5.00	ND	81.8	61-133			
Toluene	4.20	0.0250	5.00	ND	83.9	61-130			
o-Xylene	4.07	0.0250	5.00	ND	81.4	63-131			
p,m-Xylene	8.32	0.0500	10.0	ND	83.2	63-131			
Total Xylenes	12.4	0.0250	15.0	ND	82.6	63-131			

Surrogate: 4-Bromochlorobenzene-PID 7.12 8.00 89.0 70-130

Matrix Spike Dup (2433069-MSD1) Source: E408131-05 Prepared: 08/14/24 Analyzed: 08/15/24

Benzene	4.74	0.0250	5.00	ND	94.9	54-133	10.1	20	
Ethylbenzene	4.52	0.0250	5.00	ND	90.5	61-133	10.0	20	
Toluene	4.64	0.0250	5.00	ND	92.9	61-130	10.1	20	
o-Xylene	4.51	0.0250	5.00	ND	90.3	63-131	10.4	20	
p,m-Xylene	9.16	0.0500	10.0	ND	91.6	63-131	9.69	20	
Total Xylenes	13.7	0.0250	15.0	ND	91.2	63-131	9.92	20	

Surrogate: 4-Bromochlorobenzene-PID 7.08 8.00 88.5 70-130



QC Summary Data

Whiptail Midstream LLC	Project Name:	NAU CLF FP	Reported:
504 S. Bloomfield Blvd.	Project Number:	17010-0011	
Bloomfield NM, 87413	Project Manager:	Heather Woods	8/20/2024 8:49:34AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: CG

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2433069-BLK1) Prepared: 08/14/24 Analyzed: 08/14/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.63		8.00		95.3	70-130			

LCS (2433069-BS2) Prepared: 08/14/24 Analyzed: 08/15/24

Gasoline Range Organics (C6-C10)	40.8	20.0	50.0		81.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.53		8.00		94.2	70-130			

Matrix Spike (2433069-MS2) Source: E408131-05 Prepared: 08/14/24 Analyzed: 08/15/24

Gasoline Range Organics (C6-C10)	42.4	20.0	50.0	ND	84.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.64		8.00		95.4	70-130			

Matrix Spike Dup (2433069-MSD2) Source: E408131-05 Prepared: 08/14/24 Analyzed: 08/15/24

Gasoline Range Organics (C6-C10)	40.3	20.0	50.0	ND	80.7	70-130	5.02	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.62		8.00		95.3	70-130			



QC Summary Data

Whiptail Midstream LLC	Project Name:	NAU CLF FP	Reported:
504 S. Bloomfield Blvd.	Project Number:	17010-0011	
Bloomfield NM, 87413	Project Manager:	Heather Woods	8/20/2024 8:49:34AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2433074-BLK1) Prepared: 08/14/24 Analyzed: 08/14/24

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	52.7		50.0		105	50-200			

LCS (2433074-BS1) Prepared: 08/14/24 Analyzed: 08/14/24

Diesel Range Organics (C10-C28)	203	25.0	250		81.1	38-132			
Surrogate: n-Nonane	54.6		50.0		109	50-200			

Matrix Spike (2433074-MS1) Source: E408131-03 Prepared: 08/14/24 Analyzed: 08/14/24

Diesel Range Organics (C10-C28)	211	25.0	250	ND	84.5	38-132			
Surrogate: n-Nonane	56.9		50.0		114	50-200			

Matrix Spike Dup (2433074-MSD1) Source: E408131-03 Prepared: 08/14/24 Analyzed: 08/14/24

Diesel Range Organics (C10-C28)	207	25.0	250	ND	82.6	38-132	2.26	20	
Surrogate: n-Nonane	55.0		50.0		110	50-200			



QC Summary Data

Whiptail Midstream LLC	Project Name:	NAU CLF FP	Reported:
504 S. Bloomfield Blvd.	Project Number:	17010-0011	
Bloomfield NM, 87413	Project Manager:	Heather Woods	8/20/2024 8:49:34AM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2433078-BLK1)					Prepared: 08/14/24 Analyzed: 08/14/24				
Chloride	ND	20.0							
LCS (2433078-BS1)					Prepared: 08/14/24 Analyzed: 08/14/24				
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2433078-MS1)					Source: E408131-01		Prepared: 08/14/24 Analyzed: 08/14/24		
Chloride	527	20.0	250	297	92.0	80-120			
Matrix Spike Dup (2433078-MSD1)					Source: E408131-01		Prepared: 08/14/24 Analyzed: 08/14/24		
Chloride	527	20.0	250	297	92.2	80-120	0.0649	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures.
Therefore, hand calculated values may differ slightly.



Definitions and Notes

Whiptail Midstream LLC	Project Name:	NAU CLF FP	
504 S. Bloomfield Blvd.	Project Number:	17010-0011	Reported:
Bloomfield NM, 87413	Project Manager:	Heather Woods	08/20/24 08:49

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite
- DNR Did not react with the addition of acid or base.
- Note (1): Methods marked with ** are non-accredited methods.
- Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Chain of Custody

Page 1 of 4

Client Information				Invoice Information		Lab Use Only		TAT				State					
Client: <u>Whiptail Midstream</u>				Company: <u>Same</u>		Lab WO# <u>E 408131</u> Job Number <u>17010-0011</u>		1D	2D	3D	Std	NM	CO	UT	TX		
Project Name: <u>NAU CLF FP</u>				Address:													
Project Manager: <u>Heather Woods</u>				City, State, Zip:													
Address: <u>1703 Calder St.</u>				Phone:													
City, State, Zip: <u>Farmington NM 87401</u>				Email:													
Phone: <u>(505) 636-0574</u>				Miscellaneous:													
Email: <u>Heather.Woods@WhiptailMidstream.com</u>																	
Sample Information						Analysis and Method								EPA Program			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA
0911	8/13/24	S	1-2oz	CS-1		1						X					
0913	8/13/24	S	1-2oz	CS-2		2						X					
0915	8/13/24	S	1-2oz	CS-3		3						X					
0917	8/13/24	S	1-2oz	CS-4		4						X					
0918	8/13/24	S	1-2oz	CS-5		5						X					
0920	8/13/24	S	1-2oz	CS-6		6						X					
0922	8/13/24	S	1-2oz	CS-7		7						X					
0923	8/13/24	S	1-2oz	CS-8		8						X					
0925	8/13/24	S	1-2oz	CS-9		9						X					
0927	8/13/24	S	1-2oz	CS-10		10						X					
Additional Instructions:																	
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																	
Sampled by: <u>Heather Woods</u>																	
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. Lab Use Only Received on ice: <u>Y</u> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>									
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time										
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time										
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time										
Sample Matrix: S - Soil, <u>Sd</u> - Solid, <u>Sg</u> - Sludge, A - Aqueous, O - Other _____																	
Container Type: <u>g</u> - glass, <u>p</u> - poly/plastic, <u>ag</u> - amber glass, v - VOA _____																	
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																	



envirotech

Chain of Custody

Page 2 of 4

Client Information				Invoice Information		Lab Use Only		TAT				State					
Client: <u>Whiptail Midstream</u>				Company: <u>Same</u>		Lab WO# <u>E 408131</u>		Job Number <u>17010-0011</u>				1D <input type="checkbox"/> 2D <input type="checkbox"/> 3D <input type="checkbox"/> Std <input checked="" type="checkbox"/>					
Project Name: <u>NAU CLF FP</u>				Address:								NM <input type="checkbox"/> CO <input type="checkbox"/> UT <input type="checkbox"/> TX <input type="checkbox"/>					
Project Manager: <u>Heather Woods</u>				City, State, Zip:													
Address: <u>1703 Calder St.</u>				Phone:													
City, State, Zip: <u>Farmington, NM 87401</u>				Email:													
Phone: <u>(505) 636-0574</u>				Miscellaneous:													
Email: <u>Heather.Woods@WhiptailMidstream.com</u>																	
Sample Information						Analysis and Method								EPA Program			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA
0929	8/13/24	S	1-2oz	CS-11		11						X					
0931	8/13/24	S	1-2oz	CS-12		12						X					
0934	8/13/24	S	1-2oz	CS-13		13						X					
0937	8/13/24	S	1-2oz	CS-14		14						X					
0939	8/13/24	S	1-2oz	CS-15		15						X					
0943	8/13/24	S	1-2oz	CS-16		16						X					
0945	8/13/24	S	1-2oz	CS-17		17						X					
0946	8/13/24	S	1-2oz	CS-18		18						X					
0949	8/13/24	S	1-2oz	CS-19		19						X					
0950	8/13/24	S	1-2oz	CS-20		20						X					
Additional Instructions:																	
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																	
Sampled by: <u>Heather Woods</u>																	
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent day. Lab Use Only Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>									
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time										
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time										
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time										
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA _____							
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																	



envirotech

Envirotech Analytical Laboratory

Printed: 8/14/2024 9:41:19AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Whiptail Midstream LLC	Date Received:	08/13/24 16:53	Work Order ID:	E408131
Phone:	505-512-9797	Date Logged In:	08/13/24 17:09	Logged In By:	Alexa Michaels
Email:	heather.woods@whiptailmidstream.com	Due Date:	08/20/24 17:00 (5 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: Heather WoodsComments/Resolution

Project NAU CLF FP has been separated into multiple WOs due to high sample volume. Wos are E408131 and E408132.

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? No

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client Instruction

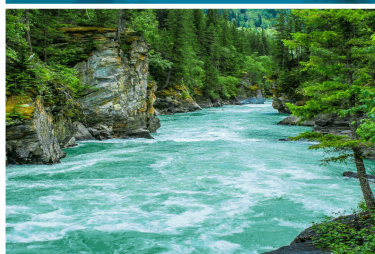
Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Heather Woods



5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Whiptail Midstream LLC

Project Name: NAU CLF FP

Work Order: E408132

Job Number: 17010-0011

Received: 8/13/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
8/19/24

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.

Date Reported: 8/19/24

Heather Woods
504 S. Bloomfield Blvd.
Bloomfield, NM 87413



Project Name: NAU CLF FP
Workorder: E408132
Date Received: 8/13/2024 4:53:00PM

Heather Woods,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/13/2024 4:53:00PM, under the Project Name: NAU CLF FP.

The analytical test results summarized in this report with the Project Name: NAU CLF FP apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
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Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
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Sample Summary

Whiptail Midstream LLC	Project Name:	NAU CLF FP	Reported:
504 S. Bloomfield Blvd.	Project Number:	17010-0011	
Bloomfield NM, 87413	Project Manager:	Heather Woods	08/19/24 09:42

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS-21	E408132-01A	Soil	08/13/24	08/13/24	Glass Jar, 2 oz.
CS-22	E408132-02A	Soil	08/13/24	08/13/24	Glass Jar, 2 oz.
CS-23	E408132-03A	Soil	08/13/24	08/13/24	Glass Jar, 2 oz.
CS-24	E408132-04A	Soil	08/13/24	08/13/24	Glass Jar, 2 oz.
CS-25	E408132-05A	Soil	08/13/24	08/13/24	Glass Jar, 2 oz.
CS-26	E408132-06A	Soil	08/13/24	08/13/24	Glass Jar, 2 oz.
CS-27	E408132-07A	Soil	08/13/24	08/13/24	Glass Jar, 2 oz.
CS-28	E408132-08A	Soil	08/13/24	08/13/24	Glass Jar, 2 oz.
CS-29	E408132-09A	Soil	08/13/24	08/13/24	Glass Jar, 2 oz.
CS-30	E408132-10A	Soil	08/13/24	08/13/24	Glass Jar, 2 oz.
CS-31	E408132-11A	Soil	08/13/24	08/13/24	Glass Jar, 2 oz.
CS-32	E408132-12A	Soil	08/13/24	08/13/24	Glass Jar, 2 oz.
CS-33	E408132-13A	Soil	08/13/24	08/13/24	Glass Jar, 2 oz.
CS-34	E408132-14A	Soil	08/13/24	08/13/24	Glass Jar, 2 oz.
CS-35	E408132-15A	Soil	08/13/24	08/13/24	Glass Jar, 2 oz.
CS-36	E408132-16A	Soil	08/13/24	08/13/24	Glass Jar, 2 oz.
CS-37	E408132-17A	Soil	08/13/24	08/13/24	Glass Jar, 2 oz.
CS-38	E408132-18A	Soil	08/13/24	08/13/24	Glass Jar, 2 oz.
CS-39	E408132-19A	Soil	08/13/24	08/13/24	Glass Jar, 2 oz.



Sample Data

Whiptail Midstream LLC 504 S. Bloomfield Blvd. Bloomfield NM, 87413	Project Name: NAU CLF FP Project Number: 17010-0011 Project Manager: Heather Woods	Reported: 8/19/2024 9:42:02AM
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CS-21
E408132-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2433068	
Benzene	ND	0.0250	1	08/14/24	08/14/24	
Ethylbenzene	ND	0.0250	1	08/14/24	08/14/24	
Toluene	ND	0.0250	1	08/14/24	08/14/24	
o-Xylene	ND	0.0250	1	08/14/24	08/14/24	
p,m-Xylene	ND	0.0500	1	08/14/24	08/14/24	
Total Xylenes	ND	0.0250	1	08/14/24	08/14/24	
Surrogate: 4-Bromochlorobenzene-PID	89.8 %	70-130		08/14/24	08/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2433068	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/14/24	08/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	104 %	70-130		08/14/24	08/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2433075	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/14/24	08/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/14/24	08/14/24	
Surrogate: n-Nonane	90.6 %	50-200		08/14/24	08/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2433077	
Chloride	783	20.0	1	08/14/24	08/14/24	



Sample Data

Whiptail Midstream LLC	Project Name:	NAU CLF FP	
504 S. Bloomfield Blvd.	Project Number:	17010-0011	Reported:
Bloomfield NM, 87413	Project Manager:	Heather Woods	8/19/2024 9:42:02AM

CS-22

E408132-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2433068	
Benzene	ND	0.0250	1	08/14/24	08/14/24	
Ethylbenzene	ND	0.0250	1	08/14/24	08/14/24	
Toluene	ND	0.0250	1	08/14/24	08/14/24	
o-Xylene	ND	0.0250	1	08/14/24	08/14/24	
p,m-Xylene	ND	0.0500	1	08/14/24	08/14/24	
Total Xylenes	ND	0.0250	1	08/14/24	08/14/24	
Surrogate: 4-Bromochlorobenzene-PID	88.6 %	70-130		08/14/24	08/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2433068	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/14/24	08/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	104 %	70-130		08/14/24	08/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2433075	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/14/24	08/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/14/24	08/14/24	
Surrogate: n-Nonane	87.6 %	50-200		08/14/24	08/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2433077	
Chloride	1350	20.0	1	08/14/24	08/14/24	



Sample Data

Whiptail Midstream LLC	Project Name:	NAU CLF FP	
504 S. Bloomfield Blvd.	Project Number:	17010-0011	Reported:
Bloomfield NM, 87413	Project Manager:	Heather Woods	8/19/2024 9:42:02AM

CS-23

E408132-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2433068	
Benzene	ND	0.0250	1	08/14/24	08/14/24	
Ethylbenzene	ND	0.0250	1	08/14/24	08/14/24	
Toluene	ND	0.0250	1	08/14/24	08/14/24	
o-Xylene	ND	0.0250	1	08/14/24	08/14/24	
p,m-Xylene	ND	0.0500	1	08/14/24	08/14/24	
Total Xylenes	ND	0.0250	1	08/14/24	08/14/24	
Surrogate: 4-Bromochlorobenzene-PID	89.3 %	70-130		08/14/24	08/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2433068	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/14/24	08/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	105 %	70-130		08/14/24	08/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2433075	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/14/24	08/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/14/24	08/14/24	
Surrogate: n-Nonane	82.9 %	50-200		08/14/24	08/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2433077	
Chloride	517	20.0	1	08/14/24	08/14/24	



Sample Data

Whiptail Midstream LLC	Project Name:	NAU CLF FP	
504 S. Bloomfield Blvd.	Project Number:	17010-0011	Reported:
Bloomfield NM, 87413	Project Manager:	Heather Woods	8/19/2024 9:42:02AM

CS-24

E408132-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2433068	
Benzene	ND	0.0250	1	08/14/24	08/14/24	
Ethylbenzene	ND	0.0250	1	08/14/24	08/14/24	
Toluene	ND	0.0250	1	08/14/24	08/14/24	
o-Xylene	ND	0.0250	1	08/14/24	08/14/24	
p,m-Xylene	ND	0.0500	1	08/14/24	08/14/24	
Total Xylenes	ND	0.0250	1	08/14/24	08/14/24	
Surrogate: 4-Bromochlorobenzene-PID	89.2 %	70-130		08/14/24	08/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2433068	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/14/24	08/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	105 %	70-130		08/14/24	08/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2433075	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/14/24	08/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/14/24	08/14/24	
Surrogate: n-Nonane	77.3 %	50-200		08/14/24	08/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2433077	
Chloride	1230	20.0	1	08/14/24	08/14/24	



Sample Data

Whiptail Midstream LLC	Project Name:	NAU CLF FP	Reported: 8/19/2024 9:42:02AM
504 S. Bloomfield Blvd.	Project Number:	17010-0011	
Bloomfield NM, 87413	Project Manager:	Heather Woods	

CS-25

E408132-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2433068	
Benzene	ND	0.0250	1	08/14/24	08/14/24	
Ethylbenzene	ND	0.0250	1	08/14/24	08/14/24	
Toluene	ND	0.0250	1	08/14/24	08/14/24	
o-Xylene	ND	0.0250	1	08/14/24	08/14/24	
p,m-Xylene	ND	0.0500	1	08/14/24	08/14/24	
Total Xylenes	ND	0.0250	1	08/14/24	08/14/24	
Surrogate: 4-Bromochlorobenzene-PID	89.5 %	70-130		08/14/24	08/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2433068	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/14/24	08/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	104 %	70-130		08/14/24	08/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2433075	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/14/24	08/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/14/24	08/14/24	
Surrogate: n-Nonane	81.0 %	50-200		08/14/24	08/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2433077	
Chloride	1370	20.0	1	08/14/24	08/14/24	



Sample Data

Whiptail Midstream LLC	Project Name:	NAU CLF FP	
504 S. Bloomfield Blvd.	Project Number:	17010-0011	Reported:
Bloomfield NM, 87413	Project Manager:	Heather Woods	8/19/2024 9:42:02AM

CS-26

E408132-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2433068	
Benzene	ND	0.0250	1	08/14/24	08/14/24	
Ethylbenzene	ND	0.0250	1	08/14/24	08/14/24	
Toluene	ND	0.0250	1	08/14/24	08/14/24	
o-Xylene	ND	0.0250	1	08/14/24	08/14/24	
p,m-Xylene	ND	0.0500	1	08/14/24	08/14/24	
Total Xylenes	ND	0.0250	1	08/14/24	08/14/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	89.2 %	70-130		08/14/24	08/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2433068	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/14/24	08/14/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	104 %	70-130		08/14/24	08/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2433075	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/14/24	08/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/14/24	08/14/24	
<i>Surrogate: n-Nonane</i>						
	82.8 %	50-200		08/14/24	08/14/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2433077	
Chloride	536	20.0	1	08/14/24	08/14/24	



Sample Data

Whiptail Midstream LLC	Project Name:	NAU CLF FP	Reported: 8/19/2024 9:42:02AM
504 S. Bloomfield Blvd.	Project Number:	17010-0011	
Bloomfield NM, 87413	Project Manager:	Heather Woods	

CS-27

E408132-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2433068	
Benzene	ND	0.0250	1	08/14/24	08/14/24	
Ethylbenzene	ND	0.0250	1	08/14/24	08/14/24	
Toluene	ND	0.0250	1	08/14/24	08/14/24	
o-Xylene	ND	0.0250	1	08/14/24	08/14/24	
p,m-Xylene	ND	0.0500	1	08/14/24	08/14/24	
Total Xylenes	ND	0.0250	1	08/14/24	08/14/24	
Surrogate: 4-Bromochlorobenzene-PID	89.1 %	70-130		08/14/24	08/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2433068	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/14/24	08/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	104 %	70-130		08/14/24	08/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2433075	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/14/24	08/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/14/24	08/14/24	
Surrogate: n-Nonane	86.9 %	50-200		08/14/24	08/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2433077	
Chloride	754	20.0	1	08/14/24	08/14/24	



Sample Data

Whiptail Midstream LLC	Project Name:	NAU CLF FP	Reported: 8/19/2024 9:42:02AM
504 S. Bloomfield Blvd.	Project Number:	17010-0011	
Bloomfield NM, 87413	Project Manager:	Heather Woods	

CS-28

E408132-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2433068	
Benzene	ND	0.0250	1	08/14/24	08/14/24	
Ethylbenzene	ND	0.0250	1	08/14/24	08/14/24	
Toluene	ND	0.0250	1	08/14/24	08/14/24	
o-Xylene	ND	0.0250	1	08/14/24	08/14/24	
p,m-Xylene	ND	0.0500	1	08/14/24	08/14/24	
Total Xylenes	ND	0.0250	1	08/14/24	08/14/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	88.8 %	70-130		08/14/24	08/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2433068	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/14/24	08/14/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	104 %	70-130		08/14/24	08/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2433075	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/14/24	08/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/14/24	08/14/24	
<i>Surrogate: n-Nonane</i>						
	79.7 %	50-200		08/14/24	08/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2433077	
Chloride	507	20.0	1	08/14/24	08/14/24	



Sample Data

Whiptail Midstream LLC	Project Name:	NAU CLF FP	
504 S. Bloomfield Blvd.	Project Number:	17010-0011	Reported:
Bloomfield NM, 87413	Project Manager:	Heather Woods	8/19/2024 9:42:02AM

CS-29

E408132-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2433068	
Benzene	ND	0.0250	1	08/14/24	08/14/24	
Ethylbenzene	ND	0.0250	1	08/14/24	08/14/24	
Toluene	ND	0.0250	1	08/14/24	08/14/24	
o-Xylene	ND	0.0250	1	08/14/24	08/14/24	
p,m-Xylene	ND	0.0500	1	08/14/24	08/14/24	
Total Xylenes	ND	0.0250	1	08/14/24	08/14/24	
Surrogate: 4-Bromochlorobenzene-PID	88.8 %	70-130		08/14/24	08/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2433068	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/14/24	08/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	105 %	70-130		08/14/24	08/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2433075	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/14/24	08/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/14/24	08/14/24	
Surrogate: n-Nonane	91.3 %	50-200		08/14/24	08/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2433077	
Chloride	449	20.0	1	08/14/24	08/14/24	



Sample Data

Whiptail Midstream LLC	Project Name:	NAU CLF FP	
504 S. Bloomfield Blvd.	Project Number:	17010-0011	Reported:
Bloomfield NM, 87413	Project Manager:	Heather Woods	8/19/2024 9:42:02AM

CS-30

E408132-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2433068	
Benzene	ND	0.0250	1	08/14/24	08/14/24	
Ethylbenzene	ND	0.0250	1	08/14/24	08/14/24	
Toluene	ND	0.0250	1	08/14/24	08/14/24	
o-Xylene	ND	0.0250	1	08/14/24	08/14/24	
p,m-Xylene	ND	0.0500	1	08/14/24	08/14/24	
Total Xylenes	ND	0.0250	1	08/14/24	08/14/24	
Surrogate: 4-Bromochlorobenzene-PID	89.1 %	70-130		08/14/24	08/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2433068	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/14/24	08/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	105 %	70-130		08/14/24	08/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2433075	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/14/24	08/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/14/24	08/14/24	
Surrogate: n-Nonane	85.6 %	50-200		08/14/24	08/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2433077	
Chloride	159	20.0	1	08/14/24	08/14/24	



Sample Data

Whiptail Midstream LLC	Project Name:	NAU CLF FP	
504 S. Bloomfield Blvd.	Project Number:	17010-0011	Reported:
Bloomfield NM, 87413	Project Manager:	Heather Woods	8/19/2024 9:42:02AM

CS-31

E408132-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		mg/kg	mg/kg	Analyst: BA		Batch: 2433068
Benzene	ND	0.0250	1	08/14/24	08/14/24	
Ethylbenzene	ND	0.0250	1	08/14/24	08/14/24	
Toluene	ND	0.0250	1	08/14/24	08/14/24	
o-Xylene	ND	0.0250	1	08/14/24	08/14/24	
p,m-Xylene	ND	0.0500	1	08/14/24	08/14/24	
Total Xylenes	ND	0.0250	1	08/14/24	08/14/24	
Surrogate: 4-Bromochlorobenzene-PID		87.7 %	70-130	08/14/24	08/14/24	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: BA		Batch: 2433068
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/14/24	08/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		103 %	70-130	08/14/24	08/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: KM		Batch: 2433075
Diesel Range Organics (C10-C28)	ND	25.0	1	08/14/24	08/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/14/24	08/14/24	
Surrogate: n-Nonane		86.8 %	50-200	08/14/24	08/14/24	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: DT		Batch: 2433077
Chloride	105	20.0	1	08/14/24	08/14/24	



Sample Data

Whiptail Midstream LLC	Project Name:	NAU CLF FP	
504 S. Bloomfield Blvd.	Project Number:	17010-0011	Reported:
Bloomfield NM, 87413	Project Manager:	Heather Woods	8/19/2024 9:42:02AM

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E408132-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2433068	
Benzene	ND	0.0250	1	08/14/24	08/14/24	
Ethylbenzene	ND	0.0250	1	08/14/24	08/14/24	
Toluene	ND	0.0250	1	08/14/24	08/14/24	
o-Xylene	ND	0.0250	1	08/14/24	08/14/24	
p,m-Xylene	ND	0.0500	1	08/14/24	08/14/24	
Total Xylenes	ND	0.0250	1	08/14/24	08/14/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	88.1 %	70-130		08/14/24	08/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2433068	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/14/24	08/14/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	104 %	70-130		08/14/24	08/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2433075	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/14/24	08/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/14/24	08/14/24	
<i>Surrogate: n-Nonane</i>						
	89.8 %	50-200		08/14/24	08/14/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2433077	
Chloride	266	20.0	1	08/14/24	08/14/24	



Sample Data

Whiptail Midstream LLC	Project Name:	NAU CLF FP	
504 S. Bloomfield Blvd.	Project Number:	17010-0011	Reported:
Bloomfield NM, 87413	Project Manager:	Heather Woods	8/19/2024 9:42:02AM

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E408132-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		mg/kg	mg/kg	Analyst: BA		Batch: 2433068
Benzene	ND	0.0250	1	08/14/24	08/14/24	
Ethylbenzene	ND	0.0250	1	08/14/24	08/14/24	
Toluene	ND	0.0250	1	08/14/24	08/14/24	
o-Xylene	ND	0.0250	1	08/14/24	08/14/24	
p,m-Xylene	ND	0.0500	1	08/14/24	08/14/24	
Total Xylenes	ND	0.0250	1	08/14/24	08/14/24	
Surrogate: 4-Bromochlorobenzene-PID		87.9 %	70-130	08/14/24	08/14/24	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: BA		Batch: 2433068
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/14/24	08/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		104 %	70-130	08/14/24	08/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: KM		Batch: 2433075
Diesel Range Organics (C10-C28)	ND	25.0	1	08/14/24	08/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/14/24	08/14/24	
Surrogate: n-Nonane		88.6 %	50-200	08/14/24	08/14/24	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: DT		Batch: 2433077
Chloride	265	20.0	1	08/14/24	08/14/24	



Sample Data

Whiptail Midstream LLC	Project Name:	NAU CLF FP	
504 S. Bloomfield Blvd.	Project Number:	17010-0011	Reported:
Bloomfield NM, 87413	Project Manager:	Heather Woods	8/19/2024 9:42:02AM

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E408132-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		mg/kg	mg/kg	Analyst: BA		Batch: 2433068
Benzene	ND	0.0250	1	08/14/24	08/15/24	
Ethylbenzene	ND	0.0250	1	08/14/24	08/15/24	
Toluene	ND	0.0250	1	08/14/24	08/15/24	
o-Xylene	ND	0.0250	1	08/14/24	08/15/24	
p,m-Xylene	ND	0.0500	1	08/14/24	08/15/24	
Total Xylenes	ND	0.0250	1	08/14/24	08/15/24	
Surrogate: 4-Bromochlorobenzene-PID		87.4 %	70-130	08/14/24	08/15/24	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: BA		Batch: 2433068
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/14/24	08/15/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		104 %	70-130	08/14/24	08/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: KM		Batch: 2433075
Diesel Range Organics (C10-C28)	ND	25.0	1	08/14/24	08/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/14/24	08/15/24	
Surrogate: n-Nonane		91.8 %	50-200	08/14/24	08/15/24	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: DT		Batch: 2433077
Chloride	770	20.0	1	08/14/24	08/14/24	



Sample Data

Whiptail Midstream LLC	Project Name:	NAU CLF FP	Reported: 8/19/2024 9:42:02AM
504 S. Bloomfield Blvd.	Project Number:	17010-0011	
Bloomfield NM, 87413	Project Manager:	Heather Woods	

CS-35

E408132-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		mg/kg	mg/kg	Analyst: BA		Batch: 2433068
Benzene	ND	0.0250	1	08/14/24	08/15/24	
Ethylbenzene	ND	0.0250	1	08/14/24	08/15/24	
Toluene	ND	0.0250	1	08/14/24	08/15/24	
o-Xylene	ND	0.0250	1	08/14/24	08/15/24	
p,m-Xylene	ND	0.0500	1	08/14/24	08/15/24	
Total Xylenes	ND	0.0250	1	08/14/24	08/15/24	
Surrogate: 4-Bromochlorobenzene-PID		88.3 %	70-130	08/14/24	08/15/24	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: BA		Batch: 2433068
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/14/24	08/15/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		103 %	70-130	08/14/24	08/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: KM		Batch: 2433075
Diesel Range Organics (C10-C28)	ND	25.0	1	08/14/24	08/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/14/24	08/15/24	
Surrogate: n-Nonane		89.4 %	50-200	08/14/24	08/15/24	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: DT		Batch: 2433077
Chloride	25.9	20.0	1	08/14/24	08/14/24	



Sample Data

Whiptail Midstream LLC 504 S. Bloomfield Blvd. Bloomfield NM, 87413	Project Name: NAU CLF FP Project Number: 17010-0011 Project Manager: Heather Woods	Reported: 8/19/2024 9:42:02AM
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CS-36

E408132-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2433068	
Benzene	ND	0.0250	1	08/14/24	08/15/24	
Ethylbenzene	ND	0.0250	1	08/14/24	08/15/24	
Toluene	ND	0.0250	1	08/14/24	08/15/24	
o-Xylene	ND	0.0250	1	08/14/24	08/15/24	
p,m-Xylene	ND	0.0500	1	08/14/24	08/15/24	
Total Xylenes	ND	0.0250	1	08/14/24	08/15/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	88.2 %	70-130		08/14/24	08/15/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2433068	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/14/24	08/15/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	104 %	70-130		08/14/24	08/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2433075	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/14/24	08/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/14/24	08/15/24	
<i>Surrogate: n-Nonane</i>						
	89.5 %	50-200		08/14/24	08/15/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2433077	
Chloride	695	20.0	1	08/14/24	08/14/24	



Sample Data

Whiptail Midstream LLC	Project Name:	NAU CLF FP	
504 S. Bloomfield Blvd.	Project Number:	17010-0011	Reported:
Bloomfield NM, 87413	Project Manager:	Heather Woods	8/19/2024 9:42:02AM

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E408132-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2433068	
Benzene	ND	0.0250	1	08/14/24	08/15/24	
Ethylbenzene	ND	0.0250	1	08/14/24	08/15/24	
Toluene	ND	0.0250	1	08/14/24	08/15/24	
o-Xylene	ND	0.0250	1	08/14/24	08/15/24	
p,m-Xylene	ND	0.0500	1	08/14/24	08/15/24	
Total Xylenes	ND	0.0250	1	08/14/24	08/15/24	
Surrogate: 4-Bromochlorobenzene-PID	88.4 %	70-130		08/14/24	08/15/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2433068	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/14/24	08/15/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	104 %	70-130		08/14/24	08/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2433075	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/14/24	08/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/14/24	08/15/24	
Surrogate: n-Nonane	87.4 %	50-200		08/14/24	08/15/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2433077	
Chloride	ND	20.0	1	08/14/24	08/14/24	



Sample Data

Whiptail Midstream LLC	Project Name:	NAU CLF FP	Reported: 8/19/2024 9:42:02AM
504 S. Bloomfield Blvd.	Project Number:	17010-0011	
Bloomfield NM, 87413	Project Manager:	Heather Woods	

CS-38

E408132-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		mg/kg	mg/kg	Analyst: BA		Batch: 2433068
Benzene	ND	0.0250	1	08/14/24	08/15/24	
Ethylbenzene	ND	0.0250	1	08/14/24	08/15/24	
Toluene	ND	0.0250	1	08/14/24	08/15/24	
o-Xylene	ND	0.0250	1	08/14/24	08/15/24	
p,m-Xylene	ND	0.0500	1	08/14/24	08/15/24	
Total Xylenes	ND	0.0250	1	08/14/24	08/15/24	
Surrogate: 4-Bromochlorobenzene-PID		88.6 %	70-130	08/14/24	08/15/24	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: BA		Batch: 2433068
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/14/24	08/15/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		104 %	70-130	08/14/24	08/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: KM		Batch: 2433075
Diesel Range Organics (C10-C28)	ND	25.0	1	08/14/24	08/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/14/24	08/15/24	
Surrogate: n-Nonane		90.1 %	50-200	08/14/24	08/15/24	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: DT		Batch: 2433077
Chloride	ND	20.0	1	08/14/24	08/14/24	



Sample Data

Whiptail Midstream LLC	Project Name:	NAU CLF FP	
504 S. Bloomfield Blvd.	Project Number:	17010-0011	Reported:
Bloomfield NM, 87413	Project Manager:	Heather Woods	8/19/2024 9:42:02AM

CS-39

E408132-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2433068	
Benzene	ND	0.0250	1	08/14/24	08/15/24	
Ethylbenzene	ND	0.0250	1	08/14/24	08/15/24	
Toluene	ND	0.0250	1	08/14/24	08/15/24	
o-Xylene	ND	0.0250	1	08/14/24	08/15/24	
p,m-Xylene	ND	0.0500	1	08/14/24	08/15/24	
Total Xylenes	ND	0.0250	1	08/14/24	08/15/24	
Surrogate: 4-Bromochlorobenzene-PID	89.0 %	70-130		08/14/24	08/15/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2433068	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/14/24	08/15/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	104 %	70-130		08/14/24	08/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2433075	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/14/24	08/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/14/24	08/15/24	
Surrogate: n-Nonane	81.6 %	50-200		08/14/24	08/15/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2433077	
Chloride	1830	40.0	2	08/14/24	08/14/24	



QC Summary Data

Whiptail Midstream LLC	Project Name:	NAU CLF FP	Reported:
504 S. Bloomfield Blvd.	Project Number:	17010-0011	
Bloomfield NM, 87413	Project Manager:	Heather Woods	8/19/2024 9:42:02AM

Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2433068-BLK1) Prepared: 08/14/24 Analyzed: 08/14/24

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.19		8.00		89.8	70-130			

LCS (2433068-BS1) Prepared: 08/14/24 Analyzed: 08/14/24

Benzene	5.37	0.0250	5.00		107	70-130			
Ethylbenzene	5.04	0.0250	5.00		101	70-130			
Toluene	5.29	0.0250	5.00		106	70-130			
o-Xylene	5.13	0.0250	5.00		103	70-130			
p,m-Xylene	10.4	0.0500	10.0		104	70-130			
Total Xylenes	15.5	0.0250	15.0		104	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.21		8.00		90.1	70-130			

Matrix Spike (2433068-MS1) Source: E408132-04 Prepared: 08/14/24 Analyzed: 08/14/24

Benzene	5.52	0.0250	5.00	ND	110	54-133			
Ethylbenzene	5.17	0.0250	5.00	ND	103	61-133			
Toluene	5.43	0.0250	5.00	ND	109	61-130			
o-Xylene	5.26	0.0250	5.00	ND	105	63-131			
p,m-Xylene	10.6	0.0500	10.0	ND	106	63-131			
Total Xylenes	15.9	0.0250	15.0	ND	106	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.22		8.00		90.3	70-130			

Matrix Spike Dup (2433068-MSD1) Source: E408132-04 Prepared: 08/14/24 Analyzed: 08/14/24

Benzene	5.33	0.0250	5.00	ND	107	54-133	3.66	20	
Ethylbenzene	5.00	0.0250	5.00	ND	100	61-133	3.17	20	
Toluene	5.25	0.0250	5.00	ND	105	61-130	3.49	20	
o-Xylene	5.09	0.0250	5.00	ND	102	63-131	3.24	20	
p,m-Xylene	10.3	0.0500	10.0	ND	103	63-131	3.14	20	
Total Xylenes	15.4	0.0250	15.0	ND	103	63-131	3.17	20	
Surrogate: 4-Bromochlorobenzene-PID	7.19		8.00		89.8	70-130			



QC Summary Data

Whiptail Midstream LLC	Project Name:	NAU CLF FP	Reported:
504 S. Bloomfield Blvd.	Project Number:	17010-0011	
Bloomfield NM, 87413	Project Manager:	Heather Woods	8/19/2024 9:42:02AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2433068-BLK1) Prepared: 08/14/24 Analyzed: 08/14/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.34		8.00		104	70-130			

LCS (2433068-BS2) Prepared: 08/14/24 Analyzed: 08/14/24

Gasoline Range Organics (C6-C10)	48.7	20.0	50.0		97.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.41		8.00		105	70-130			

Matrix Spike (2433068-MS2) Source: E408132-04 Prepared: 08/14/24 Analyzed: 08/14/24

Gasoline Range Organics (C6-C10)	47.3	20.0	50.0	ND	94.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.48		8.00		106	70-130			

Matrix Spike Dup (2433068-MSD2) Source: E408132-04 Prepared: 08/14/24 Analyzed: 08/14/24

Gasoline Range Organics (C6-C10)	49.2	20.0	50.0	ND	98.4	70-130	3.93	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.49		8.00		106	70-130			



QC Summary Data

Whiptail Midstream LLC	Project Name:	NAU CLF FP	Reported:
504 S. Bloomfield Blvd.	Project Number:	17010-0011	
Bloomfield NM, 87413	Project Manager:	Heather Woods	8/19/2024 9:42:02AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2433075-BLK1) Prepared: 08/14/24 Analyzed: 08/14/24

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	43.9		50.0		87.8	50-200			

LCS (2433075-BS1) Prepared: 08/14/24 Analyzed: 08/14/24

Diesel Range Organics (C10-C28)	166	25.0	250		66.2	38-132			
Surrogate: n-Nonane	42.2		50.0		84.4	50-200			

Matrix Spike (2433075-MS1) Source: E408132-02 Prepared: 08/14/24 Analyzed: 08/14/24

Diesel Range Organics (C10-C28)	177	25.0	250	ND	70.8	38-132			
Surrogate: n-Nonane	42.3		50.0		84.6	50-200			

Matrix Spike Dup (2433075-MSD1) Source: E408132-02 Prepared: 08/14/24 Analyzed: 08/14/24

Diesel Range Organics (C10-C28)	172	25.0	250	ND	69.0	38-132	2.56	20	
Surrogate: n-Nonane	42.2		50.0		84.4	50-200			



QC Summary Data

Whiptail Midstream LLC	Project Name:	NAU CLF FP	Reported:
504 S. Bloomfield Blvd.	Project Number:	17010-0011	
Bloomfield NM, 87413	Project Manager:	Heather Woods	8/19/2024 9:42:02AM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2433077-BLK1)					Prepared: 08/14/24 Analyzed: 08/14/24				
Chloride	ND	20.0							
LCS (2433077-BS1)					Prepared: 08/14/24 Analyzed: 08/14/24				
Chloride	250	20.0	250		100	90-110			
Matrix Spike (2433077-MS1)					Source: E408132-02		Prepared: 08/14/24 Analyzed: 08/14/24		
Chloride	1670	20.0	250	1350	128	80-120			M4
Matrix Spike Dup (2433077-MSD1)					Source: E408132-02		Prepared: 08/14/24 Analyzed: 08/14/24		
Chloride	1720	20.0	250	1350	149	80-120	3.11	20	M4

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures.
Therefore, hand calculated values may differ slightly.



Definitions and Notes

Whiptail Midstream LLC	Project Name:	NAU CLF FP	
504 S. Bloomfield Blvd.	Project Number:	17010-0011	Reported:
Bloomfield NM, 87413	Project Manager:	Heather Woods	08/19/24 09:42

- M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite
- DNR Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Chain of Custody

Page 3 of 4

Client Information				Invoice Information		Lab Use Only		TAT				State					
Client: <u>Whiptail Midstream</u>				Company: <u>Same</u>		Lab WO# <u>E408132</u> Job Number <u>17010-0011</u>		1D	2D	3D	Std	NM	CO	UT	TX		
Project Name: <u>NAU CLF FP</u>				Address:													
Project Manager: <u>Heather Woods</u>				City, State, Zip:													
Address: <u>1703 Calder St.</u>				Phone:													
City, State, Zip: <u>Farmington, NM 87401</u>				Email:													
Phone: <u>(505) 636-8574</u>				Miscellaneous:													
Email: <u>Heather.Woods@WhiptailMidstream.com</u>																	
Sample Information						Analysis and Method								EPA Program			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA
1114	8/13/24	S	1-2oz	CS-21		1						X					
1115	8/13/24	S	1-2oz	CS-22		2						X					
1116	8/13/24	S	1-2oz	CS-23		3						X					
1118	8/13/24	S	1-2oz	CS-24		4						X					
1120	8/13/24	S	1-2oz	CS-25		5						X					
1125	8/13/24	S	1-2oz	CS-26		6						X					
1128	8/13/24	S	1-2oz	CS-27		7						X					
1131	8/13/24	S	1-2oz	CS-28		8						X					
1133	8/13/24	S	1-2oz	CS-29		9						X					
1137	8/13/24	S	1-2oz	CS-30		10						X					
Additional Instructions:																	
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																	
Sampled by: <u>Heather Woods</u>																	
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. Lab Use Only Received on ice: <u>Y</u> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>									
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time										
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time										
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time										
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA _____							
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																	



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Chain of Custody

Page 4 of 4

Client Information				Invoice Information		Lab Use Only		TAT				State						
Client: <u>Whiptail Midstream</u>				Company: <u>Same</u>		Lab WO# <u>E 468132</u> Job Number <u>17010-0011</u>		1D	2D	3D	Std	NM	CO	UT	TX			
Project Name: <u>NAU CLF FP</u>				Address:														
Project Manager: <u>Heather Woods</u>				City, State, Zip:														
Address: <u>1703 Calder St.</u>				Phone:														
City, State, Zip: <u>Farmington, NM 87401</u>				Email:														
Phone: <u>(505) 636-0574</u>				Miscellaneous:														
Email: <u>Heather.Woods@WhiptailMidstream.com</u>																		
Sample Information						Analysis and Method								EPA Program				
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA	
															Compliance	Y	or	N
															PWSID #			
																		Remarks
1139	8/13/24	S	1-202	CS-31		11						X						
1141	8/13/24	S	1-202	CS-32		12						X						
1143	8/13/24	S	1-202	CS-33		13						X						
1145	8/13/24	S	1-202	CS-34		14						X						
1150	8/13/24	S	1-202	CS-35		15						X						
1200	8/13/24	S	1-202	CS-36		16						X						
1207	8/13/24	S	1-202	CS-37		17						X						
1210	8/13/24	S	1-202	CS-38		18						X						
1215	8/13/24	S	1-202	CS-39		19						X						
Additional Instructions:																		
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																		
Sampled by: <u>Heather Woods</u>																		
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. Lab Use Only Received on ice: <u>Y</u> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>										
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time											
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time											
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time											
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA _____																		
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																		


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Envirotech Analytical Laboratory

Printed: 8/14/2024 9:45:26AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Whiptail Midstream LLC	Date Received:	08/13/24 16:53	Work Order ID:	E408132
Phone:	505-512-9797	Date Logged In:	08/13/24 17:11	Logged In By:	Alexa Michaels
Email:	heather.woods@whiptailmidstream.com	Due Date:	08/20/24 17:00 (5 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: Heather WoodsComments/Resolution

Project NAU CLF FP has been separated into multiple WOs due to high sample volume. WOs are E408131 and E408132.

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? No

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Heather Woods



5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com



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Practical Solutions for a Better Tomorrow

Analytical Report

Whiptail Midstream LLC

Project Name: NAU CLF FP

Work Order: E408142

Job Number: 17010-0001

Received: 8/14/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
8/19/24

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.

Date Reported: 8/19/24

Heather Woods
504 S. Bloomfield Blvd.
Bloomfield, NM 87413



Project Name: NAU CLF FP
Workorder: E408142
Date Received: 8/14/2024 3:59:00PM

Heather Woods,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/14/2024 3:59:00PM, under the Project Name: NAU CLF FP.

The analytical test results summarized in this report with the Project Name: NAU CLF FP apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
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Sample Summary

Whiptail Midstream LLC	Project Name:	NAU CLF FP	Reported: 08/19/24 09:15
504 S. Bloomfield Blvd.	Project Number:	17010-0001	
Bloomfield NM, 87413	Project Manager:	Heather Woods	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
B-01 @ 0-0.5	E408142-01A	Soil	08/13/24	08/14/24	Glass Jar, 2 oz.
B-01 @ 1-1.5	E408142-02A	Soil	08/13/24	08/14/24	Glass Jar, 2 oz.
B-02 @ 0-0.5	E408142-03A	Soil	08/13/24	08/14/24	Glass Jar, 2 oz.
B-02 @ 1-1.5	E408142-04A	Soil	08/13/24	08/14/24	Glass Jar, 2 oz.
B-03 @ 0-0.5	E408142-05A	Soil	08/13/24	08/14/24	Glass Jar, 2 oz.
B-03 @ 1-1.5	E408142-06A	Soil	08/13/24	08/14/24	Glass Jar, 2 oz.
B-04 @ 2-2.5	E408142-07A	Soil	08/13/24	08/14/24	Glass Jar, 2 oz.
B-04 @ 3-3.5	E408142-08A	Soil	08/13/24	08/14/24	Glass Jar, 2 oz.
B-04 @ 4-4.5	E408142-09A	Soil	08/13/24	08/14/24	Glass Jar, 2 oz.
B-04 @ 5-5.5	E408142-10A	Soil	08/13/24	08/14/24	Glass Jar, 2 oz.
B-05 @ 3-3.5	E408142-11A	Soil	08/13/24	08/14/24	Glass Jar, 2 oz.
B-05 @ 4-4.5	E408142-12A	Soil	08/13/24	08/14/24	Glass Jar, 2 oz.
B-05 @ 5-5.5	E408142-13A	Soil	08/13/24	08/14/24	Glass Jar, 2 oz.
B-05 @ 6-6.5	E408142-14A	Soil	08/13/24	08/14/24	Glass Jar, 2 oz.
B-06 @ 1ft horz	E408142-15A	Soil	08/13/24	08/14/24	Glass Jar, 2 oz.
B-06 @ 2ft horz	E408142-16A	Soil	08/13/24	08/14/24	Glass Jar, 2 oz.
B-06 @ 3ft horz	E408142-17A	Soil	08/13/24	08/14/24	Glass Jar, 2 oz.

Sample Data

Whiptail Midstream LLC 504 S. Bloomfield Blvd. Bloomfield NM, 87413	Project Name: NAU CLF FP Project Number: 17010-0001 Project Manager: Heather Woods	Reported: 8/19/2024 9:15:35AM
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B-01 @ 0-0.5
E408142-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2433071	
Benzene	ND	0.0250	1	08/15/24	08/15/24	
Ethylbenzene	ND	0.0250	1	08/15/24	08/15/24	
Toluene	ND	0.0250	1	08/15/24	08/15/24	
o-Xylene	ND	0.0250	1	08/15/24	08/15/24	
p,m-Xylene	ND	0.0500	1	08/15/24	08/15/24	
Total Xylenes	ND	0.0250	1	08/15/24	08/15/24	
Surrogate: 4-Bromochlorobenzene-PID	90.2 %	70-130		08/15/24	08/15/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2433071	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/15/24	08/15/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	104 %	70-130		08/15/24	08/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2433088	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/15/24	08/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/15/24	08/15/24	
Surrogate: n-Nonane	113 %	50-200		08/15/24	08/15/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2433094	
Chloride	89.5	20.0	1	08/15/24	08/15/24	



Sample Data

Whiptail Midstream LLC	Project Name:	NAU CLF FP	Reported: 8/19/2024 9:15:35AM
504 S. Bloomfield Blvd.	Project Number:	17010-0001	
Bloomfield NM, 87413	Project Manager:	Heather Woods	

B-01 @ 1-1.5
E408142-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2433071	
Benzene	ND	0.0250	1	08/15/24	08/15/24	
Ethylbenzene	ND	0.0250	1	08/15/24	08/15/24	
Toluene	ND	0.0250	1	08/15/24	08/15/24	
o-Xylene	ND	0.0250	1	08/15/24	08/15/24	
p,m-Xylene	ND	0.0500	1	08/15/24	08/15/24	
Total Xylenes	ND	0.0250	1	08/15/24	08/15/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	89.9 %	70-130		08/15/24	08/15/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2433071	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/15/24	08/15/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	104 %	70-130		08/15/24	08/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2433088	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/15/24	08/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/15/24	08/15/24	
<i>Surrogate: n-Nonane</i>						
	99.7 %	50-200		08/15/24	08/15/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2433094	
Chloride	ND	20.0	1	08/15/24	08/15/24	



Sample Data

Whiptail Midstream LLC 504 S. Bloomfield Blvd. Bloomfield NM, 87413	Project Name: NAU CLF FP Project Number: 17010-0001 Project Manager: Heather Woods	Reported: 8/19/2024 9:15:35AM
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B-02 @ 0-0.5
E408142-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2433071	
Benzene	ND	0.0250	1	08/15/24	08/15/24	
Ethylbenzene	ND	0.0250	1	08/15/24	08/15/24	
Toluene	ND	0.0250	1	08/15/24	08/15/24	
o-Xylene	ND	0.0250	1	08/15/24	08/15/24	
p,m-Xylene	ND	0.0500	1	08/15/24	08/15/24	
Total Xylenes	ND	0.0250	1	08/15/24	08/15/24	
Surrogate: 4-Bromochlorobenzene-PID	89.5 %	70-130		08/15/24	08/15/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2433071	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/15/24	08/15/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	104 %	70-130		08/15/24	08/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2433088	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/15/24	08/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/15/24	08/15/24	
Surrogate: n-Nonane	117 %	50-200		08/15/24	08/15/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2433094	
Chloride	ND	100	5	08/15/24	08/15/24	



Sample Data

Whiptail Midstream LLC	Project Name:	NAU CLF FP	
504 S. Bloomfield Blvd.	Project Number:	17010-0001	Reported:
Bloomfield NM, 87413	Project Manager:	Heather Woods	8/19/2024 9:15:35AM

B-02 @ 1-1.5
E408142-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2433071	
Benzene	ND	0.0250	1	08/15/24	08/15/24	
Ethylbenzene	ND	0.0250	1	08/15/24	08/15/24	
Toluene	ND	0.0250	1	08/15/24	08/15/24	
o-Xylene	ND	0.0250	1	08/15/24	08/15/24	
p,m-Xylene	ND	0.0500	1	08/15/24	08/15/24	
Total Xylenes	ND	0.0250	1	08/15/24	08/15/24	
Surrogate: 4-Bromochlorobenzene-PID	89.1 %	70-130		08/15/24	08/15/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2433071	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/15/24	08/15/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	104 %	70-130		08/15/24	08/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2433088	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/15/24	08/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/15/24	08/15/24	
Surrogate: n-Nonane	110 %	50-200		08/15/24	08/15/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2433094	
Chloride	ND	100	5	08/15/24	08/15/24	



Sample Data

Whiptail Midstream LLC	Project Name:	NAU CLF FP	Reported: 8/19/2024 9:15:35AM
504 S. Bloomfield Blvd.	Project Number:	17010-0001	
Bloomfield NM, 87413	Project Manager:	Heather Woods	

B-03 @ 0-0.5
E408142-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2433071	
Benzene	ND	0.0250	1	08/15/24	08/15/24	
Ethylbenzene	ND	0.0250	1	08/15/24	08/15/24	
Toluene	ND	0.0250	1	08/15/24	08/15/24	
o-Xylene	ND	0.0250	1	08/15/24	08/15/24	
p,m-Xylene	ND	0.0500	1	08/15/24	08/15/24	
Total Xylenes	ND	0.0250	1	08/15/24	08/15/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	89.1 %	70-130		08/15/24	08/15/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2433071	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/15/24	08/15/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	104 %	70-130		08/15/24	08/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2433088	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/15/24	08/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/15/24	08/15/24	
<i>Surrogate: n-Nonane</i>						
	113 %	50-200		08/15/24	08/15/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2433094	
Chloride	ND	20.0	1	08/15/24	08/15/24	



Sample Data

Whiptail Midstream LLC 504 S. Bloomfield Blvd. Bloomfield NM, 87413	Project Name: NAU CLF FP Project Number: 17010-0001 Project Manager: Heather Woods	Reported: 8/19/2024 9:15:35AM
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B-03 @ 1-1.5
E408142-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2433071	
Benzene	ND	0.0250	1	08/15/24	08/15/24	
Ethylbenzene	ND	0.0250	1	08/15/24	08/15/24	
Toluene	ND	0.0250	1	08/15/24	08/15/24	
o-Xylene	ND	0.0250	1	08/15/24	08/15/24	
p,m-Xylene	ND	0.0500	1	08/15/24	08/15/24	
Total Xylenes	ND	0.0250	1	08/15/24	08/15/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	88.4 %	70-130		08/15/24	08/15/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2433071	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/15/24	08/15/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	103 %	70-130		08/15/24	08/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2433088	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/15/24	08/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/15/24	08/15/24	
<i>Surrogate: n-Nonane</i>						
	109 %	50-200		08/15/24	08/15/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2433094	
Chloride	ND	20.0	1	08/15/24	08/15/24	



Sample Data

Whiptail Midstream LLC	Project Name:	NAU CLF FP	
504 S. Bloomfield Blvd.	Project Number:	17010-0001	Reported:
Bloomfield NM, 87413	Project Manager:	Heather Woods	8/19/2024 9:15:35AM

B-04 @ 2-2.5

E408142-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2433094
Chloride	ND	20.0	1	08/15/24	08/15/24	



Sample Data

Whiptail Midstream LLC	Project Name:	NAU CLF FP	
504 S. Bloomfield Blvd.	Project Number:	17010-0001	Reported:
Bloomfield NM, 87413	Project Manager:	Heather Woods	8/19/2024 9:15:35AM

B-04 @ 3-3.5

E408142-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2433094
Chloride	ND	20.0	1	08/15/24	08/15/24	



Sample Data

Whiptail Midstream LLC	Project Name:	NAU CLF FP	
504 S. Bloomfield Blvd.	Project Number:	17010-0001	Reported:
Bloomfield NM, 87413	Project Manager:	Heather Woods	8/19/2024 9:15:35AM

B-04 @ 4-4.5

E408142-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2433094
Chloride	ND	20.0	1	08/15/24	08/15/24	



Sample Data

Whiptail Midstream LLC	Project Name:	NAU CLF FP	
504 S. Bloomfield Blvd.	Project Number:	17010-0001	Reported:
Bloomfield NM, 87413	Project Manager:	Heather Woods	8/19/2024 9:15:35AM

B-04 @ 5-5.5

E408142-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2433094
Chloride	49.4	20.0	1	08/15/24	08/15/24	



Sample Data

Whiptail Midstream LLC	Project Name:	NAU CLF FP	
504 S. Bloomfield Blvd.	Project Number:	17010-0001	Reported:
Bloomfield NM, 87413	Project Manager:	Heather Woods	8/19/2024 9:15:35AM

B-05 @ 3-3.5

E408142-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2433094
Chloride	52.3	20.0	1	08/15/24	08/15/24	



Sample Data

Whiptail Midstream LLC	Project Name:	NAU CLF FP	
504 S. Bloomfield Blvd.	Project Number:	17010-0001	Reported:
Bloomfield NM, 87413	Project Manager:	Heather Woods	8/19/2024 9:15:35AM

B-05 @ 4-4.5

E408142-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2433094
Chloride	ND	20.0	1	08/15/24	08/15/24	



Sample Data

Whiptail Midstream LLC	Project Name:	NAU CLF FP	
504 S. Bloomfield Blvd.	Project Number:	17010-0001	Reported:
Bloomfield NM, 87413	Project Manager:	Heather Woods	8/19/2024 9:15:35AM

B-05 @ 5-5.5

E408142-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2433094
Chloride	ND	20.0	1	08/15/24	08/15/24	



Sample Data

Whiptail Midstream LLC	Project Name:	NAU CLF FP	
504 S. Bloomfield Blvd.	Project Number:	17010-0001	Reported:
Bloomfield NM, 87413	Project Manager:	Heather Woods	8/19/2024 9:15:35AM

B-05 @ 6-6.5

E408142-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2433094
Chloride	ND	20.0	1	08/15/24	08/15/24	



Sample Data

Whiptail Midstream LLC	Project Name:	NAU CLF FP	
504 S. Bloomfield Blvd.	Project Number:	17010-0001	Reported:
Bloomfield NM, 87413	Project Manager:	Heather Woods	8/19/2024 9:15:35AM

B-06 @ 1ft horz
E408142-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2433071	
Benzene	ND	0.0250	1	08/15/24	08/15/24	
Ethylbenzene	ND	0.0250	1	08/15/24	08/15/24	
Toluene	ND	0.0250	1	08/15/24	08/15/24	
o-Xylene	ND	0.0250	1	08/15/24	08/15/24	
p,m-Xylene	ND	0.0500	1	08/15/24	08/15/24	
Total Xylenes	ND	0.0250	1	08/15/24	08/15/24	
Surrogate: 4-Bromochlorobenzene-PID	89.4 %	70-130		08/15/24	08/15/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2433071	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/15/24	08/15/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	104 %	70-130		08/15/24	08/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2433088	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/15/24	08/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/15/24	08/15/24	
Surrogate: n-Nonane	120 %	50-200		08/15/24	08/15/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2433094	
Chloride	39.8	20.0	1	08/15/24	08/15/24	



Sample Data

Whiptail Midstream LLC	Project Name:	NAU CLF FP	
504 S. Bloomfield Blvd.	Project Number:	17010-0001	Reported:
Bloomfield NM, 87413	Project Manager:	Heather Woods	8/19/2024 9:15:35AM

B-06 @ 2ft horz
E408142-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2433094
Chloride	ND	20.0	1	08/15/24	08/15/24	



Sample Data

Whiptail Midstream LLC	Project Name:	NAU CLF FP	
504 S. Bloomfield Blvd.	Project Number:	17010-0001	Reported:
Bloomfield NM, 87413	Project Manager:	Heather Woods	8/19/2024 9:15:35AM

B-06 @ 3ft horz

E408142-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2433094
Chloride	ND	20.0	1	08/15/24	08/15/24	



QC Summary Data

Whiptail Midstream LLC	Project Name:	NAU CLF FP	Reported:
504 S. Bloomfield Blvd.	Project Number:	17010-0001	
Bloomfield NM, 87413	Project Manager:	Heather Woods	8/19/2024 9:15:35AM

Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2433071-BLK1) Prepared: 08/15/24 Analyzed: 08/15/24

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.16		8.00		89.5	70-130			

LCS (2433071-BS1) Prepared: 08/15/24 Analyzed: 08/15/24

Benzene	5.07	0.0250	5.00		101	70-130			
Ethylbenzene	4.77	0.0250	5.00		95.4	70-130			
Toluene	5.00	0.0250	5.00		100	70-130			
o-Xylene	4.86	0.0250	5.00		97.1	70-130			
p,m-Xylene	9.84	0.0500	10.0		98.4	70-130			
Total Xylenes	14.7	0.0250	15.0		97.9	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.20		8.00		90.0	70-130			

Matrix Spike (2433071-MS1) Source: E408142-06 Prepared: 08/15/24 Analyzed: 08/15/24

Benzene	5.36	0.0250	5.00	ND	107	54-133			
Ethylbenzene	5.02	0.0250	5.00	ND	100	61-133			
Toluene	5.27	0.0250	5.00	ND	105	61-130			
o-Xylene	5.10	0.0250	5.00	ND	102	63-131			
p,m-Xylene	10.3	0.0500	10.0	ND	103	63-131			
Total Xylenes	15.4	0.0250	15.0	ND	103	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.07		8.00		88.4	70-130			

Matrix Spike Dup (2433071-MSD1) Source: E408142-06 Prepared: 08/15/24 Analyzed: 08/15/24

Benzene	5.29	0.0250	5.00	ND	106	54-133	1.18	20	
Ethylbenzene	4.97	0.0250	5.00	ND	99.4	61-133	0.900	20	
Toluene	5.22	0.0250	5.00	ND	104	61-130	1.06	20	
o-Xylene	5.05	0.0250	5.00	ND	101	63-131	1.00	20	
p,m-Xylene	10.2	0.0500	10.0	ND	102	63-131	0.832	20	
Total Xylenes	15.3	0.0250	15.0	ND	102	63-131	0.889	20	
Surrogate: 4-Bromochlorobenzene-PID	7.05		8.00		88.1	70-130			



QC Summary Data

Whiptail Midstream LLC	Project Name:	NAU CLF FP	Reported:
504 S. Bloomfield Blvd.	Project Number:	17010-0001	
Bloomfield NM, 87413	Project Manager:	Heather Woods	8/19/2024 9:15:35AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2433071-BLK1) Prepared: 08/15/24 Analyzed: 08/15/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.35		8.00		104	70-130			

LCS (2433071-BS2) Prepared: 08/15/24 Analyzed: 08/15/24

Gasoline Range Organics (C6-C10)	45.9	20.0	50.0		91.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.51		8.00		106	70-130			

Matrix Spike (2433071-MS2) Source: E408142-06 Prepared: 08/15/24 Analyzed: 08/15/24

Gasoline Range Organics (C6-C10)	44.2	20.0	50.0	ND	88.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.39		8.00		105	70-130			

Matrix Spike Dup (2433071-MSD2) Source: E408142-06 Prepared: 08/15/24 Analyzed: 08/15/24

Gasoline Range Organics (C6-C10)	43.0	20.0	50.0	ND	85.9	70-130	2.93	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.37		8.00		105	70-130			



QC Summary Data

Whiptail Midstream LLC	Project Name:	NAU CLF FP	Reported:
504 S. Bloomfield Blvd.	Project Number:	17010-0001	
Bloomfield NM, 87413	Project Manager:	Heather Woods	8/19/2024 9:15:35AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2433088-BLK1) Prepared: 08/15/24 Analyzed: 08/15/24

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	56.6		50.0		113	50-200			

LCS (2433088-BS1) Prepared: 08/15/24 Analyzed: 08/15/24

Diesel Range Organics (C10-C28)	199	25.0	250		79.6	38-132			
Surrogate: n-Nonane	56.4		50.0		113	50-200			

Matrix Spike (2433088-MS1) Source: E408141-02 Prepared: 08/15/24 Analyzed: 08/15/24

Diesel Range Organics (C10-C28)	209	25.0	250	ND	83.7	38-132			
Surrogate: n-Nonane	53.5		50.0		107	50-200			

Matrix Spike Dup (2433088-MSD1) Source: E408141-02 Prepared: 08/15/24 Analyzed: 08/15/24

Diesel Range Organics (C10-C28)	198	25.0	250	ND	79.1	38-132	5.72	20	
Surrogate: n-Nonane	55.9		50.0		112	50-200			



QC Summary Data

Whiptail Midstream LLC	Project Name:	NAU CLF FP	Reported:
504 S. Bloomfield Blvd.	Project Number:	17010-0001	
Bloomfield NM, 87413	Project Manager:	Heather Woods	8/19/2024 9:15:35AM

Anions by EPA 300.0/9056A

Analyst: WF

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2433094-BLK1)					Prepared: 08/15/24 Analyzed: 08/15/24				
Chloride	ND	20.0							
LCS (2433094-BS1)					Prepared: 08/15/24 Analyzed: 08/15/24				
Chloride	252	20.0	250		101	90-110			
Matrix Spike (2433094-MS1)					Source: E408137-02		Prepared: 08/15/24 Analyzed: 08/15/24		
Chloride	250	20.0	250	ND	99.9	80-120			
Matrix Spike Dup (2433094-MSD1)					Source: E408137-02		Prepared: 08/15/24 Analyzed: 08/15/24		
Chloride	258	20.0	250	ND	103	80-120	3.43	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures.
Therefore, hand calculated values may differ slightly.



Definitions and Notes

Whiptail Midstream LLC	Project Name:	NAU CLF FP	
504 S. Bloomfield Blvd.	Project Number:	17010-0001	Reported:
Bloomfield NM, 87413	Project Manager:	Heather Woods	08/19/24 09:15

- ND Analyte NOT DETECTED at or above the reporting limit
 - NR Not Reported
 - RPD Relative Percent Difference
 - DNI Did Not Ignite
 - DNR Did not react with the addition of acid or base.
- Note (1): Methods marked with ** are non-accredited methods.
- Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Chain of Custody

Page 1 of 2

Client Information				Invoice Information		Lab Use Only		TAT				State						
Client: <u>Whiptail Midstream</u>				Company: <u>Same</u>		Lab WO# <u>E 408142</u>		Job Number <u>17010-0001</u>		1D	2D	3D	Std	NM	CO	UT	TX	
Project Name: <u>NAU CLF FP</u>				Address:														
Project Manager: <u>Heather Woods</u>				City, State, Zip:														
Address: <u>1703 Calder St.</u>				Phone:														
City, State, Zip: <u>Farmington, NM 87401</u>				Email:														
Phone: <u>(505) 636-0574</u>				Miscellaneous:														
Email: <u>Heather.Woods@whiptailmidstream.com</u>																		
Sample Information										Analysis and Method				EPA Program				
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field	Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA
1237	8/13/24	S	1-2oz	B-01@0-0.5			1						X					
1239	8/13/24	S	1-2oz	B-01@1-1.5			2						X					
1247	8/13/24	S	1-2oz	B-02@0-0.5			3						X					
1252	8/13/24	S	1-2oz	B-02@1-1.5			4						X					
1258	8/13/24	S	1-2oz	B-03@0-0.5			5						X					
1300	8/13/24	S	1-2oz	B-03@1-1.5			6						X					
1308	8/13/24	S	1-2oz	B-04@2-2.5			7					X						
1311	8/13/24	S	1-2oz	B-04@3-3.5			8					X						
1314	8/13/24	S	1-2oz	B-04@4-4.5			9					X						
1318	8/13/24	S	1-2oz	B-04@5-5.5			10					X						
Additional Instructions:																		
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																		
Sampled by: <u>Heather Woods</u>																		
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. Lab Use Only Received on ice: <u>Y</u> / N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>										
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time											
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time											
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time											
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA _____								
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																		



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Chain of Custody

Page 2 of 2

Client Information					Invoice Information			Lab Use Only				TAT				State			
Client: <u>Whiptail Midstream</u>					Company: <u>Same</u>			Lab WO# <u>E408142</u>		Job Number <u>1790-0001</u>		1D	2D	3D	Std	NM	CO	UT	TX
Project Name: <u>NAU CLF FP</u>					Address:														
Project Manager: <u>Heather Woods</u>					City, State, Zip:														
Address: <u>1703 Calder St.</u>					Phone:														
City, State, Zip: <u>Farmington, NM 87401</u>					Email:														
Phone: <u>(505) 636-0574</u>					Miscellaneous:														
Email: <u>Heather.Woods@whiptailmidstream.com</u>																			
Sample Information					Analysis and Method										EPA Program				
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field	Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA	
1322	8/13/24	S	1-2oz	B-05 @ 3-3.5			11					X							
1324	8/13/24	S	1-2oz	B-05 @ 4-4.5			12					X							
1327	8/13/24	S	1-2oz	B-05 @ 5-5.5			13					X							
1330	8/13/24	S	1-2oz	B-05 @ 6-6.5			14					X							
1339	8/13/24	S	1-2oz	B-06 @ 1 ft horz			15						X						
1342	8/13/24	S	1-2oz	B-06 @ 2 ft horz			16					X							
1345	8/13/24	S	1-2oz	B-06 @ 3 ft horz			17					X							
Additional Instructions:																			
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																			
Sampled by: <u>Heather Woods</u>																			
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. Lab Use Only Received on ice: <u>Y</u> / N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>							
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time									
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA									
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																			



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Envirotech Analytical Laboratory

Printed: 8/15/2024 8:01:21AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Whiptail Midstream LLC	Date Received:	08/14/24 15:59	Work Order ID:	E408142
Phone:	505-512-9797	Date Logged In:	08/14/24 16:02	Logged In By:	Raina Schwanz
Email:	heather.woods@whiptailmidstream.com	Due Date:	08/21/24 17:00 (5 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: Heather WoodsComments/ResolutionSample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:
Sample ID? Yes
Date/Time Collected? Yes
Collectors name? Yes

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Heather Woods



5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Whiptail Midstream LLC

Project Name: NAU CLF FP

Work Order: E408199

Job Number: 17010-0011

Received: 8/23/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
8/27/24

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.

Date Reported: 8/27/24

Heather Woods
504 S. Bloomfield Blvd.
Bloomfield, NM 87413



Project Name: NAU CLF FP
Workorder: E408199
Date Received: 8/23/2024 2:02:00PM

Heather Woods,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/23/2024 2:02:00PM, under the Project Name: NAU CLF FP.

The analytical test results summarized in this report with the Project Name: NAU CLF FP apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Field Offices:

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Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljjarboe@envirotech-inc.com

Michelle Gonzales
Client Representative
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Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Whiptail Midstream LLC 504 S. Bloomfield Blvd. Bloomfield NM, 87413	Project Name: NAU CLF FP Project Number: 17010-0011 Project Manager: Heather Woods	Reported: 08/27/24 09:45
---	--	-----------------------------

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS-37/40 AW	E408199-01A	Soil	08/23/24	08/23/24	Glass Jar, 2 oz.
CS-38/41 AW	E408199-02A	Soil	08/23/24	08/23/24	Glass Jar, 2 oz.
B-07@3-3.5	E408199-03A	Soil	08/23/24	08/23/24	Glass Jar, 2 oz.
B-08@2.5-3	E408199-04A	Soil	08/23/24	08/23/24	Glass Jar, 4 oz.



Sample Data

Whiptail Midstream LLC	Project Name:	NAU CLF FP	
504 S. Bloomfield Blvd.	Project Number:	17010-0011	Reported:
Bloomfield NM, 87413	Project Manager:	Heather Woods	8/27/2024 9:45:39AM

CS-37/40 HW

E408199-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2435004
Chloride	22.9	20.0	1	08/26/24	08/26/24	



Sample Data

Whiptail Midstream LLC	Project Name:	NAU CLF FP	Reported: 8/27/2024 9:45:39AM
504 S. Bloomfield Blvd.	Project Number:	17010-0011	
Bloomfield NM, 87413	Project Manager:	Heather Woods	

CS-38 41 HW

E408199-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2435004
Chloride	42.2	20.0	1	08/26/24	08/26/24	



Sample Data

Whiptail Midstream LLC	Project Name:	NAU CLF FP	
504 S. Bloomfield Blvd.	Project Number:	17010-0011	Reported:
Bloomfield NM, 87413	Project Manager:	Heather Woods	8/27/2024 9:45:39AM

B-07@3-3.5
E408199-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2435004
Chloride	163	20.0	1	08/26/24	08/26/24	

Sample Data

Whiptail Midstream LLC	Project Name:	NAU CLF FP	Reported: 8/27/2024 9:45:39AM
504 S. Bloomfield Blvd.	Project Number:	17010-0011	
Bloomfield NM, 87413	Project Manager:	Heather Woods	

B-08@2.5-3
E408199-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2435004
Chloride	31.2	20.0	1	08/26/24	08/26/24	

QC Summary Data

Whiptail Midstream LLC	Project Name:	NAU CLF FP	Reported:
504 S. Bloomfield Blvd.	Project Number:	17010-0011	
Bloomfield NM, 87413	Project Manager:	Heather Woods	8/27/2024 9:45:39AM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2435004-BLK1)					Prepared: 08/26/24 Analyzed: 08/26/24				
Chloride	ND	20.0							
LCS (2435004-BS1)					Prepared: 08/26/24 Analyzed: 08/26/24				
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2435004-MS1)					Source: E408200-01		Prepared: 08/26/24 Analyzed: 08/26/24		
Chloride	448	20.0	250	174	109	80-120			
Matrix Spike Dup (2435004-MSD1)					Source: E408200-01		Prepared: 08/26/24 Analyzed: 08/26/24		
Chloride	499	20.0	250	174	130	80-120	10.9	20	M1

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

Whiptail Midstream LLC	Project Name:	NAU CLF FP	
504 S. Bloomfield Blvd.	Project Number:	17010-0011	Reported:
Bloomfield NM, 87413	Project Manager:	Heather Woods	08/27/24 09:45

- M1 Matrix spike recovery was above acceptance limits. The associated LCS spike recovery was acceptable.
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite
- DNR Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Chain of Custody

Client Information				Invoice Information				Lab Use Only				TAT				State				
Client: <u>Whiptail Midstream</u> Project Name: <u>NAU CLEFP</u> Project Manager: <u>Heather Woods</u> Address: <u>1703 Calder St.</u> City, State, Zip: <u>Albuquerque, NM 87101</u> Phone: <u>(505) 634-0574</u> Email: <u>Heather.Woods@whiptailmidstream.com</u>				Company: <u>Same</u> Address: _____ City, State, Zip: _____ Phone: _____ Email: _____ Miscellaneous: _____				Lab WQ# <u>E408199</u> Job Number <u>17010-0011</u>				1D <u>X</u> 2D <u>X</u> 3D <u>X</u> Std <u>X</u>				NM CO UT TX <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>				
Sample Information																				
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	Analysis and Method										EPA Program			
0910	8/23/24	S	1-2oz	CS-3740 HW		1	DR/CRO by 8015	BTEX by 8011	VOC by 8260	Chloride 300.0	HGDDC - NV	TECHNICAL	RCRA Metals	SDWA	CWA	RCRA				
0922	8/23/24	S	1-2oz	CS-3841 HW		2														
0930	8/23/24	S	1-2oz	B-07@3-3.5		3														
0940	8/27/24	S	1-4oz	B-08@2.5-3		4														
Additional Instructions: (Field samples), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: <u>Heather Woods</u>																				
Relinquished by: (Signature) <u>Heather Woods</u> Date <u>8/23/24</u> Time <u>1402</u> Relinquished by: (Signature) _____ Date _____ Time _____ Relinquished by: (Signature) _____ Date _____ Time _____ Relinquished by: (Signature) _____ Date _____ Time _____																				
Received on ice: <u>Y</u> / N T1 _____ T2 _____ T3 _____ Lab Use Only AVG Temp °C <u>4</u> Container Type: <u>g - glass, p - poly/plastic, ag - amber glass, v - vial</u>																				
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																				

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Whiptail Midstream LLC	Date Received:	08/23/24 14:02	Work Order ID:	E408199
Phone:	505-512-9797	Date Logged In:	08/23/24 14:40	Logged In By:	Noe Soto
Email:	heather.woods@whiptailmidstream.com	Due Date:	08/26/24 17:00 (1 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
 2. Does the number of samples per sampling site location match the COC? Yes
 3. Were samples dropped off by client or carrier? Yes
 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
 5. Were all samples received within holding time? Yes
- Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: Heather WoodsComments/ResolutionSample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

7. Was a sample cooler received? Yes
 8. If yes, was cooler received in good condition? Yes
 9. Was the sample(s) received intact, i.e., not broken? Yes
 10. Were custody/security seals present? No
 11. If yes, were custody/security seals intact? NA
 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Yes
- Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling
13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:

Sample ID?	Yes
Date/Time Collected?	Yes
Collectors name?	No

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client Instruction

Signature of client authorizing changes to the COC or sample disposition

Date



envirotech Inc.

Remediation Plan
NAU CLF Filter Pot Release (nAPP2421852910)

Appendix G

Appendix G: Correspondence

From: [Rodgers, Scott, EMNRD](#)
To: [Heather Woods](#)
Subject: RE: [EXTERNAL] Request of Variance - Notification of Sampling for Whiptail NAU CLF Filter Pot Release Remediation
Date: Tuesday, August 13, 2024 8:10:28 AM
Attachments: [image003.png](#)

Good Morning,

The variance request to conduct sampling without two business day notice is approved.

Please keep a copy of this communication for inclusion within the appropriate reporting documentation.

The OCD requires a copy of all correspondence related to remedial activities be included in all proposals, weekly/monthly/quarterly/semi-annual/annual, or final closure reports. Correspondence reporting requirements may include, but not limited to, time extension requests, sample event notifications, and variance requests.

If you have any questions, please contact me via email at your convenience.

Thank you.

Regards,

Scott Rodgers • Environmental Specialist – Adv.
Environmental Bureau
EMNRD - Oil Conservation Division
8801 Horizon Blvd. NE, Suite 260 | Albuquerque, NM 87113
505.469.1830 | scott.rodgers@emnrd.nm.gov
<http://www.emnrd.nm.gov/oed>



From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Monday, August 12, 2024 11:04 AM
To: Rodgers, Scott, EMNRD <Scott.Rodgers@emnrd.nm.gov>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Subject: FW: [EXTERNAL] Request of Variance - Notification of Sampling for Whiptail NAU CLF Filter Pot Release Remediation

Hi Scott,

This one's yours!

From: Heather Woods <Heather.Woods@whiptailmidstream.com>

Sent: Monday, August 12, 2024 10:19 AM

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

Subject: [EXTERNAL] Request of Variance - Notification of Sampling for Whiptail NAU CLF Filter Pot Release Remediation

You don't often get email from heather.woods@whiptailmidstream.com. [Learn why this is important](#)

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

Good Morning,

Whiptail would like to request a variance for sampling notification for the NAU CLF Filter Pot Release Remediation (nAPP2421852910), located at 36.17404, -107.62826, to allow for sampling to occur Tuesday, August 13, 2024, beginning at 9:00am MST.

If approved, I will submit the Notification of Sampling to the NMOCD Permitting Portal with a note that the variance was requested and approved via email.

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

Many Thanks,
Heather

Heather Woods
EHS Specialist
1703 Calder Street
Farmington, NM 87401
(505) 636-0574: Office
(505) 512-9797: Cell



From: OCDOnline@state.nm.us
To: [Heather Woods](#)
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 375653
Date: Tuesday, August 20, 2024 12:57:41 PM

To whom it may concern (c/o Heather Woods for Whiptail Gallup Gathering, LLC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2421852910.

The sampling event is expected to take place:

When: 08/23/2024 @ 09:00

Where: A-01-22N-08W 0 FNL 0 FEL (36.17404,-107.62826)

Additional Information: Please contact Heather Woods at (505) 512-9797.

Additional Instructions: Site is located at 36.17404, -107.62826.

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- **Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.**

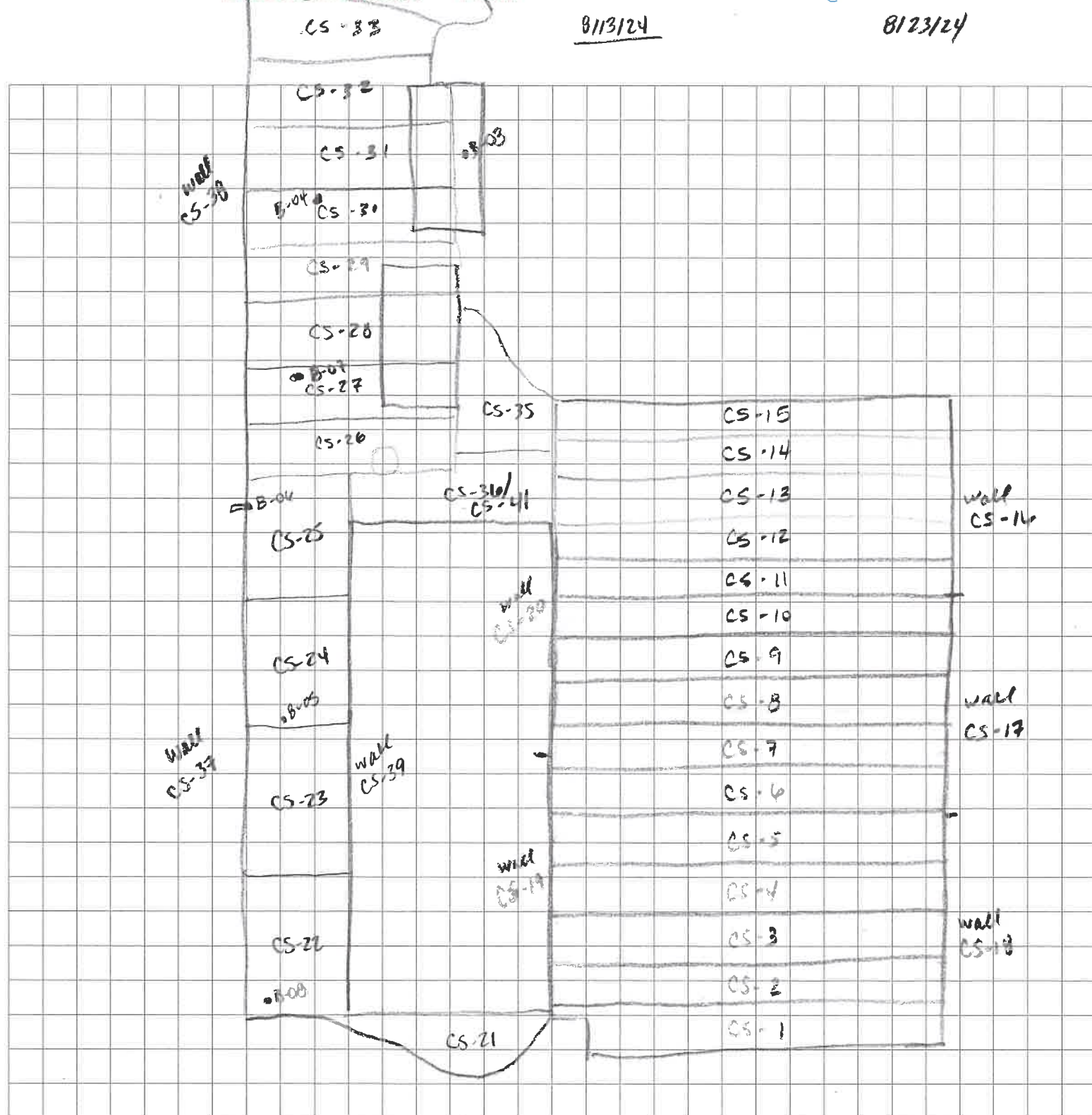
If you have any questions regarding this application, or don't know why you have received this email, please contact us.

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

Remediation Plan
NAU CLF Filter Pot Release (nAPP2421852910)

Appendix H

Appendix H: Field Notes



Remediation



B/13/24

CS-1 @ 0911		CS-31 @ 1139	
CS-2 @ 0913		CS-32 @ 1141	
CS-3 @ 0915		CS-33 @ 1143	
CS-4 @ 0917		CS-34 @ 1145	
CS-5 @ 0918		CS-35 @ 1158	
CS-6 @ 0920		CS-36 @ 1200	
CS-7 @ 0922		CS-37 @ 1207	
CS-8 @ 0923		CS-38 @ 1210	
CS-9 @ 0925		CS-39 @ 1215	
CS-10 @ 0927			
CS-11 @ 0929		B-01 @ 0-0.5 1237	
CS-12 @ 0931		@ 1-1.5 1239	
CS-13 @ 0934		B-02 @ 0-0.5 1247	
CS-14 @ 0937		@ 1-1.5 1252	
CS-15 @ 0939		B-03 @ 0-0.5 1258	
CS-16 @ 0943		@ 1-1.5 1300	
CS-17 @ 0945		B-04 @ 2-2.5 1308	
CS-18 @ 0946		@ 3-3.5 1311	
CS-19 @ 0949		@ 4-4.5 1314	
CS-20 @ 0950		@ 5-5.5 1318	
CS-21 @ 1114		B-05 @ 3-3.5 1322	
CS-22 @ 1115		@ 4-4.5 1324	
CS-23 @ 1116		@ 5-5.5 1327	
CS-24 @ 1118		@ 6-6.5 1330	
CS-25 @ 1120		B-06 @ 1 ft horiz 1339	
CS-26 @ 1125		@ 2 ft horiz 1342	
CS-27 @ 1128		@ 3 ft horiz 1345	
CS-28 @ 1131			
CS-29 @ 1133			
CS-30 @ 1137			



8/23/24

CS-34 0918
CS-35 0922

B-07 @ 3-3.5 0930
B-08 @ 2.5-3 0940

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

State of New Mexico

Energy, Minerals and Natural Resources

Oil Conservation Division

1220 S. St Francis Dr.

Santa Fe, NM 87505

QUESTIONS

Action 400010

QUESTIONS

Operator: Whiptail Gallup Gathering, LLC 15 West 6th Street Tulsa, OK 74119	OGRID: 332293
	Action Number: 400010
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2421852910
Incident Name	NAPP2421852910 NAU CLF FILTER POT RELEASE REMEDIATION @ 0
Incident Type	Produced Water Release
Incident Status	Deferral Request Received

Location of Release Source	
Please answer all the questions in this group.	
Site Name	NAU CLF Filter Pot Release Remediation
Date Release Discovered	08/05/2024
Surface Owner	Federal

Incident Details	
Please answer all the questions in this group.	
Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure Gasket Produced Water Released: 42 BBL Recovered: 22 BBL Lost: 20 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 400010

QUESTIONS (continued)

Operator: Whiptail Gallup Gathering, LLC 15 West 6th Street Tulsa, OK 74119	OGRID: 332293
	Action Number: 400010
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

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

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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

I hereby agree and sign off to the above statement	Name: Heather Woods Title: EH&S Specialist Email: heather.woods@whiptailmidstream.com Date: 08/20/2024
--	--

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QUESTIONS, Page 3

Action 400010

QUESTIONS (continued)

Operator: Whiptail Gallup Gathering, LLC 15 West 6th Street Tulsa, OK 74119	OGRID:
	332293
	Action Number: 400010
Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)	

QUESTIONS**Site Characterization**

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). 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 in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	Estimate or Other
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1000 (ft.) and ½ (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between ½ and 1 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1000 (ft.) and ½ (mi.)
Any other fresh water well or spring	Between 1000 (ft.) and ½ (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between ½ and 1 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	None
A 100-year floodplain	Between ½ and 1 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride (EPA 300.0 or SM4500 Cl B)	5960
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	0
GRO+DRO (EPA SW-846 Method 8015M)	0
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

On what estimated date will the remediation commence	08/05/2024
On what date will (or did) the final sampling or liner inspection occur	08/23/2024
On what date will (or was) the remediation complete(d)	08/23/2024
What is the estimated surface area (in square feet) that will be reclaimed	2200
What is the estimated volume (in cubic yards) that will be reclaimed	256.5
What is the estimated surface area (in square feet) that will be remediated	2200
What is the estimated volume (in cubic yards) that will be remediated	256.5

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 4

Action 400010

QUESTIONS (continued)

Operator: Whiptail Gallup Gathering, LLC 15 West 6th Street Tulsa, OK 74119	OGRID: 332293
	Action Number: 400010
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	ENVIROTECH LANDFARM #2 [FEEM0112336756]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Heather Woods Title: EH&S Specialist Email: heather.woods@whiptailmidstream.com Date: 11/18/2024
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 400010

QUESTIONS (continued)

Operator: Whiptail Gallup Gathering, LLC 15 West 6th Street Tulsa, OK 74119	OGRID: 332293
	Action Number: 400010
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Deferral Requests Only	
<i>Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.</i>	
Requesting a deferral of the remediation closure due date with the approval of this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Is the remaining contamination in areas immediately under or around production equipment where remediation could cause a major facility deconstruction	Yes
Please list or describe the production equipment and how (re)moving the equipment would cause major facility deconstruction	Remaining contaminated soils are located beneath the pump building and in the corridor adjacent to the pump building, between the building and lined containment, that is congested with buried utility lines. Temporarily moving the building and removing/replacing the buried lines, along with excavation and reclamation of the underlying impacted material, would require deconstruction and reconstruction of an integral portion of the operation of the water disposal well system at the site. The integrity of the lined secondary containment system could also be impacted by the excavation immediately adjacent to the containment wall. Remediation at a time when the tanks located in the lined containment are removed or empty would be more protective of the environment.
What is the remaining surface area (in square feet) that will still need to be remediated if a deferral is granted	2200
What is the remaining volume (in cubic yards) that will still need to be remediated if a deferral is granted	256.5
<i>Per Paragraph (2) of Subsection C of 19.15.29.12 NMAC if contamination is located in areas immediately under or around production equipment such as production tanks, wellheads and pipelines where remediation could cause a major facility deconstruction, the remediation, restoration and reclamation may be deferred with division written approval until the equipment is removed during other operations, or when the well or facility is plugged or abandoned, whichever comes first.</i>	
Enter the facility ID (#) on which this deferral should be granted	Not answered.
Enter the well API (30-) on which this deferral should be granted	30-045-38185 N ALAMITO UNIT SWD #001
Contamination does not cause an imminent risk to human health, the environment, or groundwater	True
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Heather Woods Title: EH&S Specialist Email: heather.woods@whiptailmidstream.com Date: 11/18/2024

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Phone: (505) 476-3441

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QUESTIONS, Page 6

Action 400010

QUESTIONS (continued)

Operator: Whiptail Gallup Gathering, LLC 15 West 6th Street Tulsa, OK 74119	OGRID: 332293
	Action Number: 400010
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	375653
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	08/23/2024
What was the (estimated) number of samples that were to be gathered	2
What was the sampling surface area in square feet	400

Remediation Closure Request	
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.	
Requesting a remediation closure approval with this submission	No

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CONDITIONS

Action 400010

CONDITIONS

Operator: Whiptail Gallup Gathering, LLC 15 West 6th Street Tulsa, OK 74119	OGRID: 332293
	Action Number: 400010
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	Deferral approved. Deferral of CS19 through CS22, CS24,CS25 and CS27 is approved until plugging and abandonment or a major facility deconstruction, whichever comes first. A complete and accurate remediation report and/or reclamation report will need to be submitted at that time.	12/10/2024