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April 9, 2025

Mike Bratcher
District Supervisor
Oil Conservation Division, District 2
811 S. First Street
Artesia, New Mexico 88210

Re: Site Characterization and Remediation Work Plan
Mewbourne Oil Company
Wellspring Goose Frac Temp Booster
Unit G, Section 29, Township 23S, Range 27E
Site Coordinates: 32.28029, -104.22029
Eddy County, New Mexico
Incident ID: nAPP2429951763

Introduction

On behalf of Mewbourne Oil Company (Mewbourne), New Tech Global Environmental, LLC (NTGE) has prepared this Site Characterization and Remediation Work Plan for submittal to the New Mexico Oil Conservation Division (NMCOD) District 2 Office in Artesia, New Mexico to document site assessment, remedial action activities, and sample analysis results for incident ID: nAPP2429951763 – Wellspring Goose Frac Temp Booster (Site). The Site is in Unit Letter G, Section 29, of Township 23 South and Range 27 East in Lea County, New Mexico. The GPS coordinates for the release site are 32.28029° N latitude and 104.22029° W longitude. The site location with respect to the nearest town is shown on Figure 1 and the topography of the area is shown on Figure 2.

Background

Incident nAPP2429951763: Based on Release Notification and Corrective Action Form C-141 the release was discovered on October 13, 2024, and was due to an equipment failure at a pump. Upon discovery, all associated equipment was shut in, the area was secured. Approximately ninety-one (91) barrels (bbls) of produced water was released with thirty (30) bbls recovered, resulting in the net loss of approximately sixty-one (61) bbls. On January 7, 2025, the NMOCD granted a ninety (90) extension request for remediation activities of this Site. The release area is shown on Figure 3.

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Groundwater and Site Characterization

Based on a review of the New Mexico Office of State Engineers and USGS databases, there is one known active water well source within a ½-mile radius of the Site. The well is located 0.4 miles Southeast of the Site with a depth to groundwater at 119' bgs. Additionally, there are two (2) receptors, a riverine located 326 feet northwest of the Site and a freshwater emergent wetland located 778 feet southeast of the Site, both within a ½-mile of the Site. No other receptors (playas, wetlands, waterways, lakebeds, or ordinance boundaries) are located within each specific boundary or distance from the Site. According to the OSE Oil and Gas Map, the Site is located within a High Karst area. The Site characterization documentation (Points of Diversion, Karst Potential, Significant Watercourse Map, Wetlands Map, and FEMA Map) is attached to the report.

NTGE characterized the Site according to Table I, Closure Criteria for Soils Impacted by a Release, from the New Mexico Administrative Code (NMCA) Title 19, Chapter 15, Part 29, Section 12 (NMAC 19.15.29.12).

General Site Characterization and Groundwater:

Site Characterization	Average Groundwater Depth (ft)
High Karst	119'

Table 3.1 Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29.12)

Regulatory Standard	Chloride	TPH (GRO+DRO+MRO)	GRO+DRO	BTEX	Benzene
19.15.23.12 Remediation and Closure Criteria for Soils Impacted by a Release	600 mg/kg	100 mg/kg	---	50 mg/kg	10 mg/kg
Notes: --- = not defined					

Cultural Properties Protection Rule and Biological Sensitivity Areas

The release is entirely within areas previously disturbed by oil and gas (within multiple right-of-ways {ROWS}) therefore the Cultural Properties Protection Rule (CPP) is not applicable for this release site. If the release is found to be outside of the ROWs work will be stopped and an Archaeologist will be contracted to perform at a minimum an ARMS review and any other requirements that will be needed based on their findings.

NTGE's Botanist conducted a tabletop review of the area of the Site, which is summarized here, and the report is attached to the end of this work plan.

On March 25, 2025, NTGE completed a desktop review of potential habitat of Special Status Plant Species (SSPS) within the vicinity of the Site. SSPS of concern included Allred's Flax, Gypsum milkvetch, Gypsum wild buckwheat, Kuenzler's hedgehog cactus, Lee's pincushion cactus, Scheer's beehive cactus, Tharp's blue-star, and Wright's waterwillow. The Site is located

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entirely within Scheer's Beehive Cactus potential habitat. The habitat can be seen in the attachment "SSPS Potential Habitat".

On March 25, 2025, NTGE completed a desktop review of sensitive wildlife habitat within the vicinity of the Site. The Wildlife habitat of concern included Dunes sagebrush lizard and Lesser prairie chicken. The desktop review included considerations such as habitat, core management area, habitat evaluation area, isolated population area, primary population area, and sparse and scattered population area. The nearest potential habitat zone is approximately 23 miles away from the Site. Wildlife habitat zones can be seen in the attachment "Protected Wildlife Habitat".

On March 25, 2025, NTGE completed a desktop review of migratory species that have the potential to be present and breeding within the vicinity of the Site. Species of consideration included Monarch butterfly, Broad-tailed hummingbird, Chimney Swift, Ferruginous hawk, Golden eagle, Long-billed curlew, and Northern harrier. It was found that migratory species have a probability of presence or breeding within the vicinity of the Site January through March.

On March 25, 2025, NTGE completed a desktop review of surface water resources within the vicinity of the Site. It was found that a riverine and a freshwater emergent wetland are mapped within reasonable proximity of the Site. Surface water resources can be seen in the attachment "Water".

On March 25, 2025, NTGE completed a desktop review of potential Karst resources within the vicinity of the Site. There is a High potential of Karst resources within and surrounding the Site. The Karst potential map can be seen in the attachment "Karst Potential Map".

Initial Soil Delineation Assessment Summary and Findings

On January 31, 2024, NTGE conducted site assessment activities to assess the extent of impacts at the Site. Six (6) vertical sample points (V-1 through V-7) were installed within the release area and eight (8) horizontal sample points (H-1 through H-8) were installed adjacent to the release area in order to vertically and horizontally characterize the impacts. Vertical soil samples were collected at half (0.5) foot intervals from depths ranging from zero (0) to seven and a half (7.5) ft bgs, and horizontal soil samples were collected at zero to half a foot (0-0.5') increments with a geotechnical hand auger. The auger was decontaminated with Alconox® and deionized water between sample points to prevent cross contamination. Soil samples were placed directly into laboratory provided samples containers, placed on ice, and transported under proper chain-of-custody protocol to Eurofins Laboratories in Carlsbad, New Mexico for analysis of benzene, toluene, ethylbenzene, and xylene (BTEX) (Method SW846 8021B), total petroleum hydrocarbon (TPH) (Method SW846 8015B), and chloride (method EPA 300.0). Analytical results indicated that chloride concentrations exceeded the NMOCD regulatory limits at various depths in the areas of vertical samples V-1 to a depth of two and a half (2.5) ft bgs, V-2 and V-3 to a depth of a half foot (0.5) ft bgs, V-4 to a depth of six and a half (6.5) ft bgs, V-5 to a depth of three and a half (3.5) ft bgs, and V-6 to a depth of one and a half (1.5) ft bgs exceeding TPH and chloride concentrations. All horizontal samples collected at zero to half a foot (0-0.5') were below regulatory limits for BTEX, TPH, and chloride.

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Analytical results are included in Table 1, while soil boring and delineated locations are shown on Figure 3. Laboratory reports containing analytical methods and chain-of-custody documents are attached to the report.

Remediation Activities to Date

After evaluating data NTGE and Sentry Construction Services, LLC (Sentry) mobilized to the Site and began excavation activities. On March 19, 2025, NTGE conducted a confirmation sampling event where thirty-two (32) confirmation samples were collected from the bottom of the excavation (CS-1 through CS-32) and seven (7) confirmation samples were collected from the sidewalls of the excavation (SW-1 through SW-7). Soil samples were placed directly into laboratory provided samples containers, placed on ice, and transported under proper chain-of-custody protocol to Eurofins Laboratories in Carlsbad, New Mexico. All samples exhibited benzene, BTEX, TPH, and chloride concentration below Table I Closure Criteria with the exception of SW-3 which exhibited a chloride concentration of 624 mg/kg. This sidewall will be further excavated and resampled at a later date.

On March 26, 2025, NTGE returned to the Site to conduct confirmation sampling where six confirmation samples were collected from the bottom of the excavation (CS-69, CS-82 through CS-84, CS-87, and CS-88). Soil samples were placed directly into laboratory provided samples containers, placed on ice, and transported under proper chain-of-custody protocol to Eurofins Laboratories in Carlsbad, New Mexico. All samples exhibited benzene, BTEX, TPH, and chloride concentration below Table I Closure Criteria.

Proposed Work Plan

After receiving and evaluating the soil boring data NTGE proposes to excavate the area of V-1 to a depth of three and a half (3.5) ft bgs, V-2 and V-3 to a depth of one and half (1.5) ft bgs, and V-4 to a depth of seven and a half (7.5) ft bgs to ensure that the impacted soil has been removed from the Site. Approximately 2,362 cubic yards of impacted material will be excavated and transported offsite for disposal at an NMOCD approved landfill. The proposed excavation map is shown on Figure 4.

Based on NTGE site assessment activities and soil data evaluation for delineation samples V-5 and V-6, NTGE is proposing to defer these areas, as well as the V-4 area up to the fence line parallel to Old Cavern Rural Hwy due to safety concerns. There is no shoulder along the highway to safely have a backhoe or other equipment to conduct excavation activities in these areas. Additionally, there are overhead powerlines present alongside the road which cause additional safety concerns, thus making further remediation of the areas immediately west of the fence and between Old Cavern Rural Hwy not feasible without compromising or destabilizing the integrity of the surrounding highway and power poles.

On March 11, 2025, a representative of the County Road Department emailed NTGE after visiting the site and inspecting the area within the road ROE. They stated that they wanted to defer excavation of the area until they have construction on the existing road and that it was fairly newly paved. The email is attached to this report for reference.

Initially, V-6 was not delineated vertically due to a thick layer of asphalt adjacent to the road that was put in place during construction of the highway. Analytical results indicated TPH
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concentrations above Table I Closure Criteria at surface. NTGE believes this is from the asphalt from the road and not associated with the release as no other samples exhibited TPH detections. NTGE further vertically delineated V-6 on April 1, 2025, to a depth of two to two and a half foot (2'-2.5') ft bgs. Analytical results indicated that V-6 was below regulatory limits for BTEX, TPH, and chloride, thus vertical delineation was achieved in this area.

Additionally, there are two (2) on-site utility power poles believed to belong to Xcel Energy that are near or within the excavation area. On April 1, 2025, NTGE collected three (3) sidewall samples (PPA-1, PPA-2, and PPB-1) around the safety perimeter of the power pole areas. Analytical results indicated that PPB-1 exceeded chloride concentrations above NMOCD regulatory limits for BTEX, TPH, and chloride. Soil samples PPA-1 and PPA-2 exhibited chloride concentrations below Table I Closure Criteria. NTGE may request a deferral for the soil around one of the power poles, due to safety concerns. Soils near and around the power poles will be left in place to ensure the integrity of the power poles. At the time of this report, NTGE has not been able to find a contact at Xcel Energy to discuss safety concerns with excavating around the power poles and a twenty-five (25) ft island is being left around them.

Based on supporting documentation provided in this report, NTGE, on behalf of Mewbourne, respectfully requests to defer excavation of soils left in-situ above NMOCD standards near and around soil sample V-4 directly west between the fence and Old Cavern Rural Hwy, and soil samples V-5, V-6, H-5, H-6, and H-7 until the safety concerns can be addressed and at the request of Eddy County Roads Department. Additionally, NTGE is requesting to defer the soils being left in place around the XCEL Energy power poles due to safety concerns, if it is necessary to do so. NTGE will proceed with the remediation of areas V-1 to V-4.

Upon completion of the excavations, confirmation samples will be taken with a five (5) point composite sample that represents an area no greater than 200 square feet to comply with NMAC 19.15.23.12 and 19.15.29.13. Discrete soil samples will be collected from the sidewalls and bottom of the excavation if any staining is observed. All confirmation samples will be taken to a certified laboratory and analyzed for BTEX, TPH, and chloride. If any of the confirmation samples collected exhibit concentrations above regulatory standards set by NMAC 19.15.23.12 and 19.15.23.13, the areas will be further excavated until concentrations are below Table I Closure Criteria.

NTGE, on behalf of Mewbourne, requests an extension for completion of remediation activities and closure report preparation of 60 days. Remediation activities have started and will continue until all impacted soils have been removed that are not being deferred. Excavation activities were halted due to a line strike and a hydro vacuum crew had to be called out. Hydrovac activities were extensive due to all of the lines in the area and held up the excavation work for approximately eleven (11) days. Additionally, the operators of some of the lines in the area require one of their representatives be on site when excavation is occurring around their lines and scheduling conflicts have slowed down excavation progress.

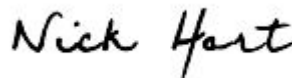
If you have any questions regarding this letter, please contact us at (432)-766-1918.

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Sincerely,
NTG Environmental



Rebecca Haskell
Senior Project Manager



Nick Hart
Project Manager

Attachments:

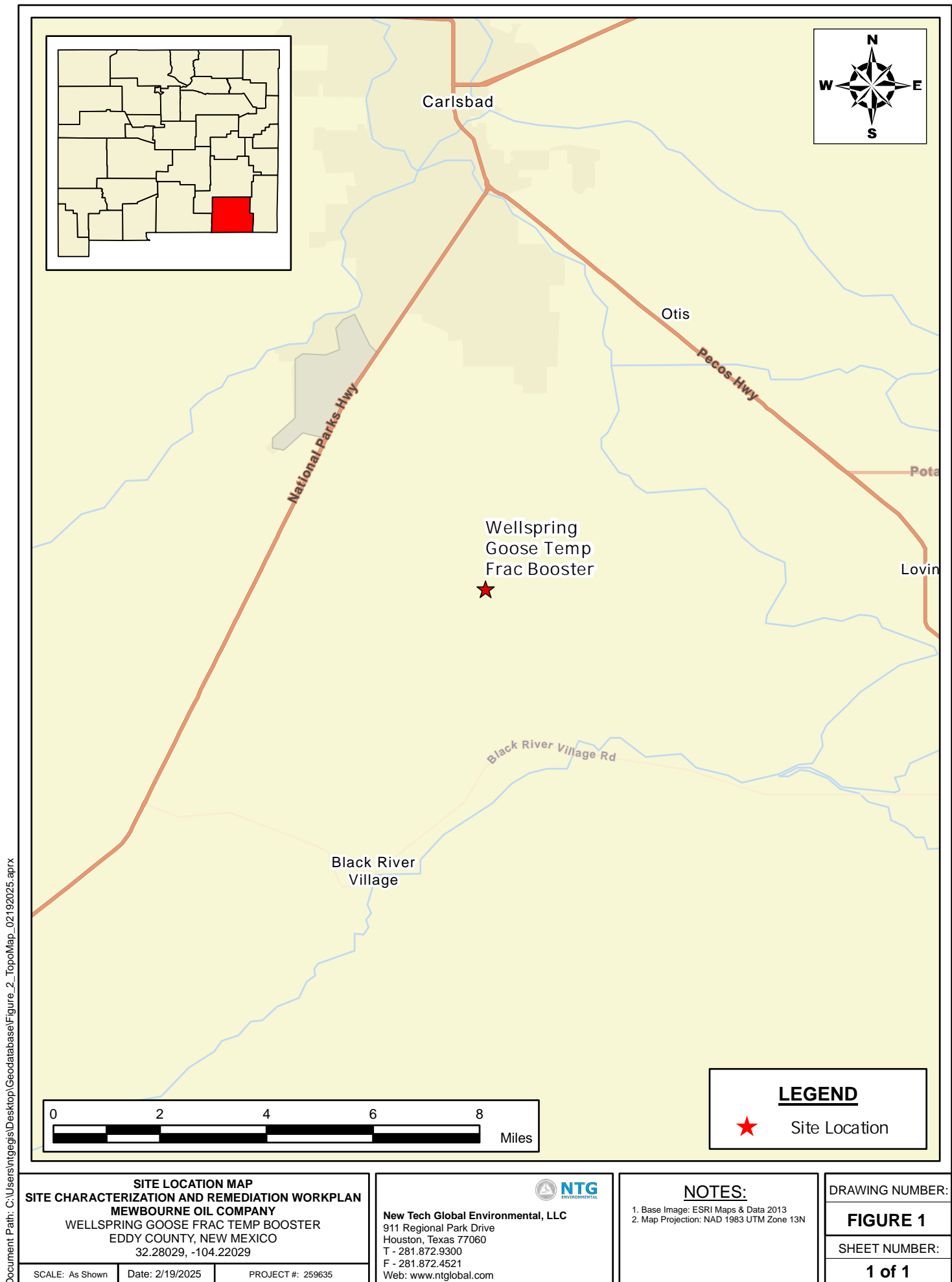
- Figures
- Tables
- Site Characterization Documentation
- Photographic Log
- Laboratory Reports and Chain-of-Custody Documents
- Email Correspondence
- Biological Review Report
- Confirmation Sampling Notifications

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FIGURES





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**LEGEND**

★ Site Location

TOPOGRAPHIC MAP
SITE CHARACTERIZATION AND REMEDIATION WORKPLAN
MEWBOURNE OIL COMPANY
 WELLSRING GOOSE FRAC TEMP BOOSTER
 EDDY COUNTY, NEW MEXICO
 32.28029, -104.22029

SCALE: As Shown

Date: 2/19/2025

PROJECT #: 259635



New Tech Global Environmental, LLC
 911 Regional Park Drive
 Houston, Texas 77060
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NOTES:

1. Base Image: ESRI Maps & Data 2013
2. Map Projection: NAD 1983 UTM Zone 13N

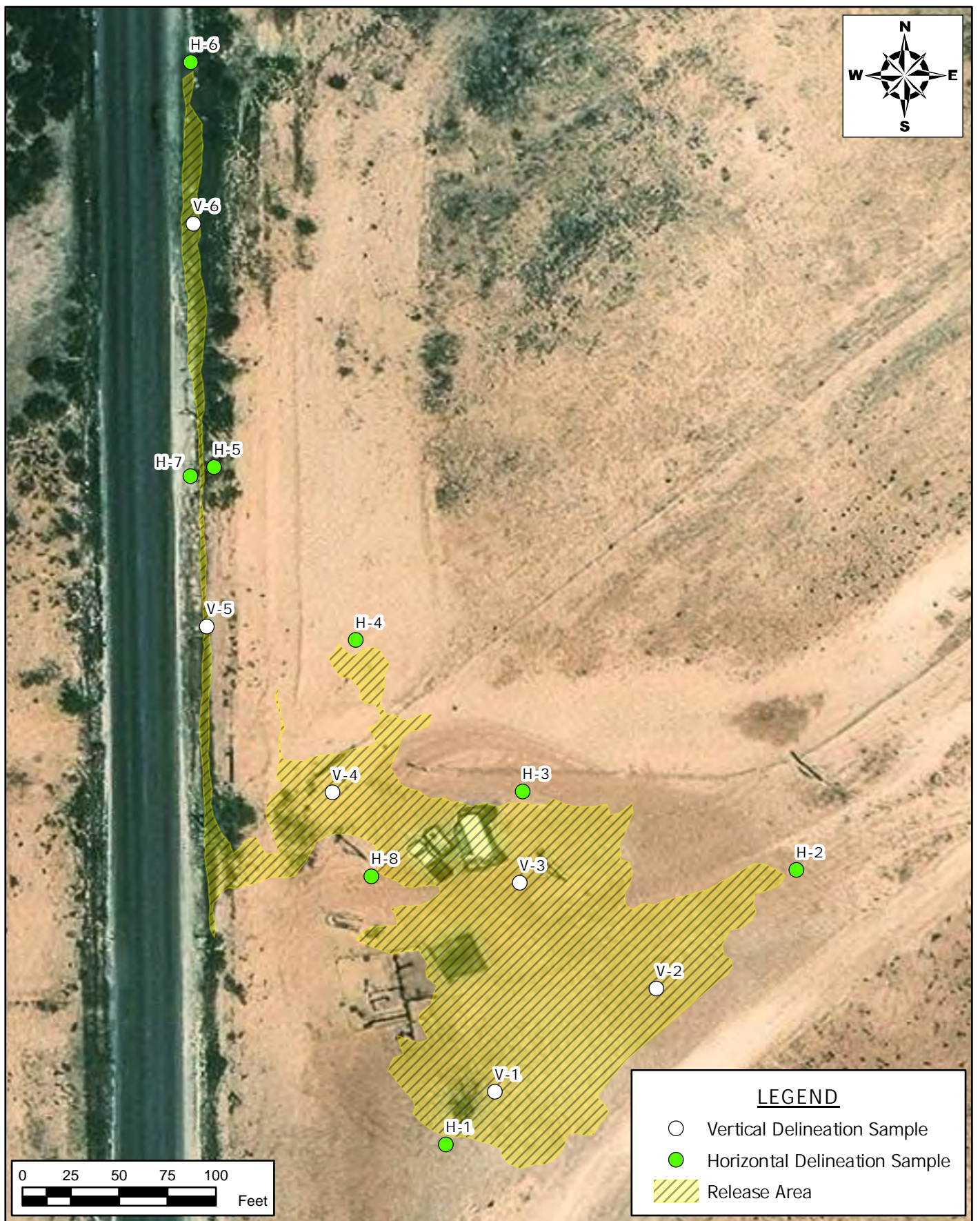
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FIGURE 2

SHEET NUMBER:

1 of 1

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DELINEATION SAMPLE MAP
SITE CHARACTERIZATION AND REMEDIATION WORKPLAN
MEWBOURNE OIL COMPANY
 WELLSRING GOOSE FRAC TEMP BOOSTER
 EDDY COUNTY, NEW MEXICO
 32.28029, -104.22029

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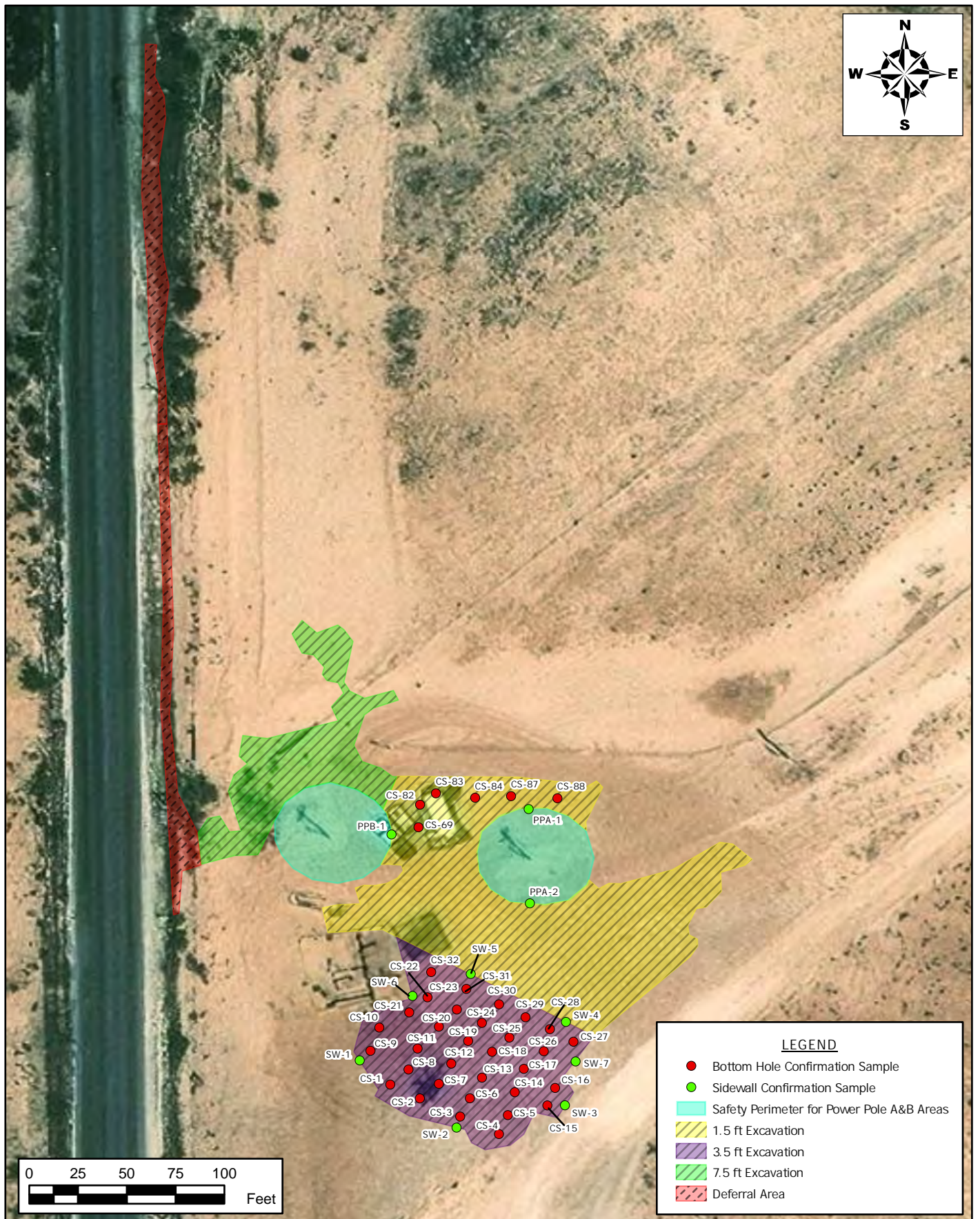
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FIGURE 3

SHEET NUMBER:

1 of 1

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CONFIRMATION SAMPLE MAP AS OF 4/1/25
SITE CHARACTERIZATION AND REMEDIATION WORK PLAN
MEWBOURNE OIL COMPANY
 WELLSRING GOOSE FRAC TEMP BOOSTER
 EDDY COUNTY, NEW MEXICO
 32.28029,-104.22029

SCALE: As Shown

Date: 4/9/2025

PROJECT #: 259635

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**NOTES:**

1. Base Image: ESRI Maps & Data 2013
2. Map Projection: NAD 1983 UTM Zone 13N

DRAWING NUMBER:

FIGURE 4

SHEET NUMBER:

1 of 1

TABLES



Table 1
Summary of Soil Analytical Data - Delineation Samples
Wellspring Goose Frac Temp Booster
Sentry Construction
Eddy Co., NM

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH					Chloride
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	GRO (C6-C10)	DRO (C10-C28)	GRO + DRO	MRO (C28-C35)	Total GRO/DRO/MRO (C6-C35)	
			Table I Closure Criteria for Soil ≤ 50 feet Depth to Groundwater 19.15.29 NMAC										
			10 mg/kg	---	---	---	50 mg/kg	---	---	---	---	100 mg/kg	600 mg/kg
Vertical Delineation Samples													
V-1	1/31/2025	0-6"	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<49.8	<49.8	<49.8	<49.8	<49.8	10,600
	1/31/2025	1'-1.5'	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	6,290
	1/31/2025	2'-2.5'	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<49.8	<49.8	<49.8	<49.8	<49.8	1,700
	1/31/2025	3'-3.5'	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	53.3
	1/31/2025	4'-4.5'	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	<49.8	<49.8	<49.8	<49.8	<49.8	82.5
V-2	1/31/2025	0-6"	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	<49.8	<49.8	<49.8	<49.8	<49.8	4,040
	1/31/2025	1'-1.5'	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<49.7	<49.7	<49.7	<49.7	<49.7	51.9
	1/31/2025	2'-2.5'	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	<49.8	<49.8	<49.8	<49.8	<49.8	75.1
	1/31/2025	3'-3.5'	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	<49.9	<49.9	<49.9	<49.9	<49.9	56.7
	1/31/2025	4'-4.5'	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	<50.0	<50.0	<50.0	<50.0	<50.0	78.2
V-3	1/31/2025	0-6"	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<49.8	<49.8	<49.8	<49.8	<49.8	8,080
	1/31/2025	1'-1.5'	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	<49.8	<49.8	<49.8	<49.8	<49.8	179
	1/31/2025	2'-2.5'	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	43.7
	1/31/2025	3'-3.5'	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	<49.9	<49.9	<49.9	<49.9	<49.9	39.5
	1/31/2025	4'-4.5'	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<49.7	<49.7	<49.7	<49.7	<49.7	78.9
V-4	1/31/2025	0-6"	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<49.8	<49.8	<49.8	<49.8	<49.8	10,400
	1/31/2025	1'-1.5'	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<49.8	<49.8	<49.8	<49.8	<49.8	8,060
	1/31/2025	2'-2.5'	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<49.7	<49.7	<49.7	<49.7	<49.7	6,330
	1/31/2025	3'-3.5'	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	<49.8	<49.8	<49.8	<49.8	<49.8	5,490
	1/31/2025	4'-4.5'	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<49.8	<49.8	<49.8	<49.8	<49.8	4,560
	1/31/2025	5'-5.5'	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	3,840
	1/31/2025	6'-6.5'	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<49.8	<49.8	<49.8	<49.8	<49.8	775
	1/31/2025	7'-7.5'	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<49.7	<49.7	<49.7	<49.7	<49.7	108
V-5	1/31/2025	0-6"	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	<49.8	<49.8	<49.8	<49.8	<49.8	7,260
	1/31/2025	1'-1.5'	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	5,820
	1/31/2025	2'-2.5'	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<49.8	<49.8	<49.8	<49.8	<49.8	5,310
	1/31/2025	3'-3.5'	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	<49.8	<49.8	<49.8	<49.8	<49.8	1,250
	1/31/2025	4'-4.5'	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<49.6	<49.6	<49.6	<49.6	<49.6	154
V-6	1/31/2025	0-6"	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	<49.8	171	171	<49.8	171	155
	1/31/2025	1'-1.5'	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<49.7	<49.7	<49.7	<49.7	<49.7	2,630
	4/1/2025	2'-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0

Table 1
Summary of Soil Analytical Data - Delineation Samples
Wellspring Goose Frac Temp Booster
Sentry Construction
Eddy Co., NM

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH					Chloride
								GRO (C6-C10)	DRO (C10-C28)	GRO + DRO	MRO (C28-C35)	Total GRO/DRO/MRO (C6-C35)	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	
			Table I Closure Criteria for Soil ≤ 50 feet Depth to Groundwater 19.15.29 NMAC										
			10 mg/kg	---	---	---	50 mg/kg	---	---	---	---	100 mg/kg	600 mg/kg
Horizontal Delineation Samples													
H-1	1/31/2025	0-6"	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	<49.8	<49.8	<49.8	<49.8	<49.8	120
H-2	1/31/2025	0-6"	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	<49.7	<49.7	<49.7	<49.7	<49.7	15.5
H-3	1/31/2025	0-6"	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<49.8	<49.8	<49.8	<49.8	<49.8	51.3
H-4	1/31/2025	0-6"	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	<49.8	<49.8	<49.8	<49.8	<49.8	<9.98
H-5	1/31/2025	0-6"	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	<10.0
H-6	1/31/2025	0-6"	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	<10.0
H-7	1/31/2025	0-6"	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<49.8	<49.8	<49.8	<49.8	<49.8	<9.96
H-8	1/31/2025	0-6"	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	<49.7	<49.7	<49.7	<49.7	<49.7	104

- Notes:
1. Values reported in mg/kg

2.< = Value Less Than Reporting Limit (RL)

3. Bold indicates Analyte Detected

4. BTEX analyses by EPA Method SW 8021B

SP-1

Sample Point Excavated
5. TPH analyses by EPA Method SW 8015 Mod.

6. GRO/DRO/MRO - Gasoline/Diesel/Motor Oil

7. Yellow shaded cells indicate analytical samples that exceed the NMAC 19.15.29.12 Table I Closure Criteria for the site.

8. Peach shaded cells indicate analytical samples that exceed the NMAC 19.15.29.13 Table I Closure Criteria for the site (Surface to 4 Feet Below Grade).

9. --- Not Analyzed

Table 2
Summary of Soil Analytical Data - Confirmation Samples
Wellspring Goose Frac Temp Booster
Sentry Construction
Eddy Co., NM

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH					Chloride
								GRO (C6-C10)	DRO (C10-C28)	GRO + DRO	MRO (C28-C35)	Total GRO/DRO/MRO (C6-C35)	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	
			Table I Closure Criteria for Soil ≤ 50 feet Depth to Groundwater 19.15.29 NMAC										
			10 mg/kg	---	---	---	50 mg/kg	---	---	---	---	100 mg/kg	600 mg/kg
Bottom Hole Confirmation Samples													
CS-1	3/19/2025	3.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
CS-2	3/19/2025	3.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
CS-3	3/19/2025	3.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
CS-4	3/19/2025	3.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
CS-5	3/19/2025	3.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	288
CS-6	3/19/2025	3.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
CS-7	3/19/2025	3.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
CS-8	3/19/2025	3.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
CS-9	3/19/2025	3.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
CS-10	3/19/2025	3.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	256
CS-11	3/19/2025	3.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
CS-12	3/19/2025	3.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
CS-13	3/19/2025	3.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
CS-14	3/19/2025	3.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
CS-15	3/19/2025	3.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
CS-16	3/19/2025	3.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
CS-17	3/19/2025	3.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
CS-18	3/19/2025	3.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
CS-19	3/19/2025	3.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	400
CS-20	3/19/2025	3.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
CS-21	3/19/2025	3.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	272
CS-22	3/19/2025	3.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
CS-23	3/19/2025	3.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	384
CS-24	3/19/2025	3.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
CS-25	3/19/2025	3.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	320
CS-26	3/19/2025	3.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
CS-27	3/19/2025	3.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
CS-28	3/19/2025	3.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
CS-29	3/19/2025	3.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
CS-30	3/19/2025	3.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	256
CS-31	3/19/2025	3.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	272
CS-32	3/19/2025	3.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
CS-69	3/26/2025	1.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
CS-82	3/26/2025	1.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	336

Table 2
Summary of Soil Analytical Data - Confirmation Samples
Wellspring Goose Frac Temp Booster
Sentry Construction
Eddy Co., NM

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH					Chloride
								GRO (C6-C10)	DRO (C10-C28)	GRO + DRO	MRO (C28-C35)	Total GRO/DRO/MRO (C6-C35)	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	
			Table I Closure Criteria for Soil ≤ 50 feet Depth to Groundwater 19.15.29 NMAC										
			10 mg/kg	---	---	---	50 mg/kg	---	---	---	---	100 mg/kg	600 mg/kg
CS-83	3/26/2025	1.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	256
CS-84	3/26/2025	1.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	13.4	13.4	<10.0	13.4	400
CS-87	3/26/2025	1.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	480
CS-88	3/26/2025	1.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	416
Sidewall Confirmations Samples													
SW-1	3/19/2025	0-3.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
SW-2	3/19/2025	0-3.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
SW-3	3/19/2025	0-3.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	624
SW-4	3/19/2025	1.5'-3.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SW-5	3/19/2025	1.5'-3.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SW-6	3/19/2025	0-3.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	336
SW-7	3/19/2025	0-3.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
Power Pole Samples													
PPA-1	4/1/2025	0-1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
PPA-2	4/1/2025	0-1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
PPB-1	4/1/2025	0-1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,060

Notes:

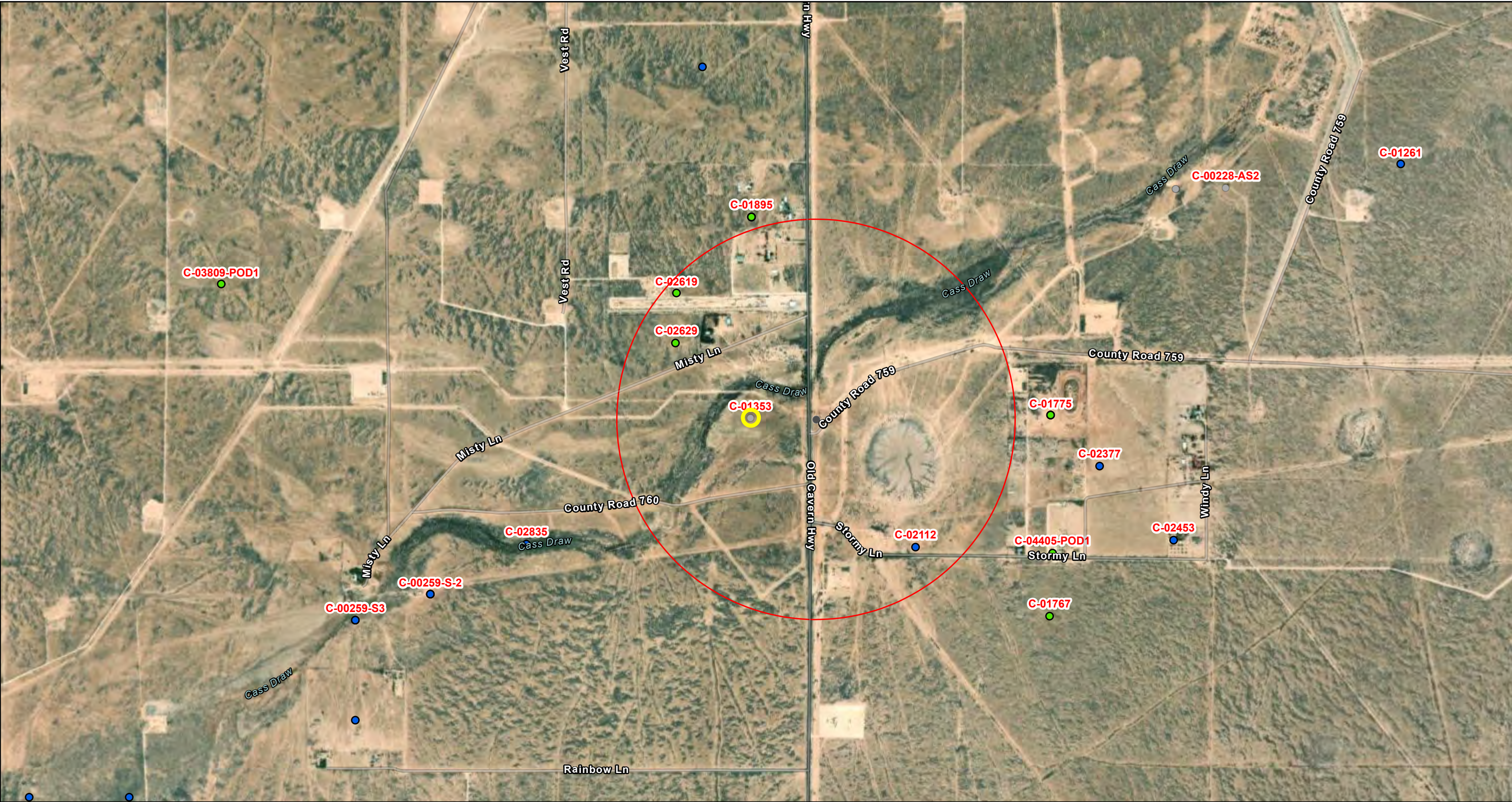
- Values reported in mg/kg
- < = Value Less Than Reporting Limit (RL)
- Bold indicates Analyte Detected
- BTEX analyses by EPA Method SW 8021B
- TPH analyses by EPA Method SW 8015 Mod.
- GRO/DRO/MRO - Gasoline/Diesel/Motor Oil
- Yellow shaded cells indicate analytical samples that exceed the NMAC 19.15.29.12 Table I Closure Criteria for the site.
- Peach shaded cells indicate analytical samples that exceed the NMAC 19.15.29.13 Table I Closure Criteria for the site (Surface to 4 Feet Below Grade).
- Not Analyzed

 Sample Point Excavated

SITE CHARACTERIZATION DOCUMENTATION



OSE POD Location Map

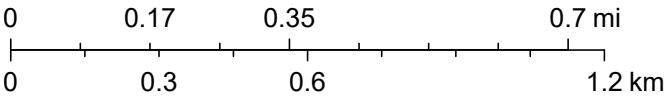


1/28/2025, 3:32:51 PM

GIS WATERS PODs

- Active
- Pending
-

1:18,056




Esri Community Maps Contributors, New Mexico State University, Texas Parks & Wildlife, CONANP, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS, Maxar

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
	C 02112	NW	SW	SE	13	21S	24E	573830.8	3571337.3	

* UTM location was derived from PLSS - see Help

Driller License:	1041	Driller Company:	BUREAU OF RECLAMATION		
Driller Name:	JAMES A. AMOS				
Drill Start Date:	1985-07-06	Drill Finish Date:	1985-07-15	Plug Date:	
Log File Date:	1985-11-15	PCW Rcv Date:		Source:	Shallow
Pump Type:		Pipe Discharge Size:		Estimated Yield:	1
Casing Size:	6.00	Depth Well:	182	Depth Water:	119

Water Bearing Stratifications:

Top	Bottom	Description
119	182	Other/Unknown

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.

Revised June 1972

STATE ENGINEER OFFICE
WELL RECORD

Section 1. GENERAL INFORMATION

468598

(A) Owner of well United States-Surface George Michaelis-Lessee Owner's Well No. _____
Street or Post Office Address P. O. Box 1356
City and State Carlsbad, New Mexico

Well was drilled under Permit No. C-2112 and is located in the:

a. 1/4 NW 1/4 SW 1/4 SE 1/4 of Section 13 Township 21 S. Range 24 E. N.M.P.M.
b. Tract No. _____ of Map No. _____ of the _____
c. Lot No. _____ of Block No. _____ of the _____
Subdivision, recorded in Eddy County.
d. X= 536,417 feet, Y= 464,230 feet, N.M. Coordinate System XXXXXXXXXXXXXXXXXXXX Zone in
the XXXXXXXXXXXXXXXXXXXX Grant.

(B) Drilling Contractor Bureau of Reclamation License No. 1041
Address P. O. Box 1356, Carlsbad, New Mexico

Drilling Began 7-06-85 Completed 7-15-85 Type tools Rock Bit Size of hole 5 5/8 in.
Elevation of land surface or _____ at well is _____ ft. Total depth of well 182' ft.
Completed well is ☒ shallow ☐ artesian. Depth to water upon completion of well 119' ft.

Section 2. PRINCIPAL WATER-BEARING STRATA

Depth in Feet		Thickness in Feet	Description of Water-Bearing Formation	Estimated Yield (gallons per minute)
From	To			
119	182	63	Seven Rivers	0.8

Section 3. RECORD OF CASING

Diameter (inches)	Pounds per foot	Threads per in.	Depth in Feet		Length (feet)	Type of Shoe	Perforations	
			Top	Bottom			From	To
6" I.D.	19	3	+5'	10.0	10.5	SW.CS Bit	-	open

Section 4. RECORD OF MUDDING AND CEMENTING

Depth in Feet		Hole Diameter	Sacks of Mud	Cubic Feet of Cement	Method of Placement
From	To				
			N/A		

Section 5. PLUGGING RECORD

Plugging Contractor N/A
Address _____
Plugging Method _____
Date Well Plugged _____
Plugging approved by: _____
State Engineer Representative

No.	Depth in Feet		Cubic Feet of Cement
	Top	Bottom	
1			
2			
3			
4			

FOR USE OF STATE ENGINEER ONLY

Date Received November 15, 1985 Quad _____ FWL _____ FSL _____
File No. C-2112 Use Stock Location No. 21.24.13.431

[illegible]


STATE ENGINEER
ROSWELL, NM
NOV 15 8 32 AM '85


James R. Amos
Driller


Released to Imaging: 5/9/2025 2:04:25 PM




1/28/2025, 3:20:47 PM


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Override 1
- 

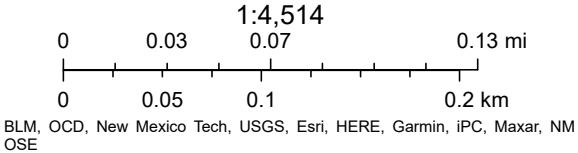
OSE Water PODs
- 

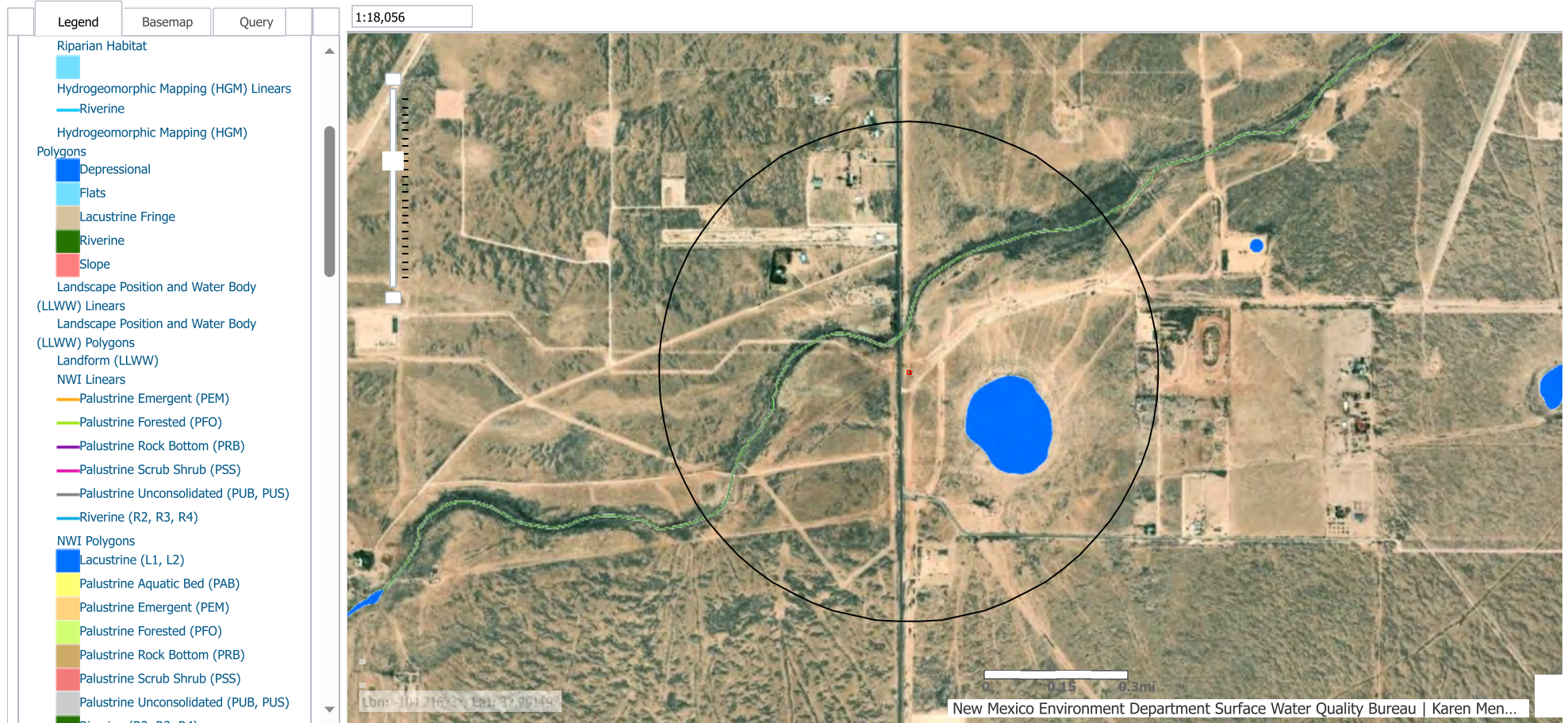
Karst Occurrence Potential

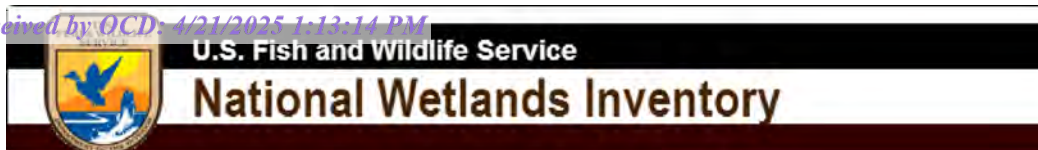
High
- 

OSW Water Bodys
- 

OSE Streams







Wellspring Goose Frac Temp Booster



January 28, 2025

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

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

- Lake
- Other
- Riverine

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























0 250 500 1,000 1,500 2,000 Feet

1:6,000

104°12'54"W 32°16'36"N

Basemap Imagery Source: USGS National Map 2023

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

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) <i>Zone A, V, A99</i>
		With BFE or Depth <i>Zone AE, AO, AH, VE, AR</i> 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 <i>Zone X</i>
		Future Conditions 1% Annual Chance Flood Hazard <i>Zone X</i>
		Area with Reduced Flood Risk due to Levee. See Notes, <i>Zone X</i>
		Area with Flood Risk due to Levee <i>Zone D</i>
OTHER AREAS	NO SCREEN	Area of Minimal Flood Hazard <i>Zone X</i>
		Effective LOMRs
GENERAL STRUCTURES		Area of Undetermined Flood Hazard <i>Zone D</i>
	 	Channel, Culvert, or Storm Sewer Levee, Dike, or Floodwall
OTHER FEATURES		Cross Sections with 1% Annual Chance Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
	 	Profile Baseline Hydrographic Feature
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 **1/28/2025 at 9:25 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.

PHOTOGRAPHIC LOG



PHOTOGRAPHIC LOG
Mewbourne Oil Company
Wellspring Goose Frac Temp Booster

Photograph No. 1

Facility: Wellspring Goose Frac Temp Booster

County: Eddy County, New Mexico

Description:
View of Initial Assessment Activities

**Photograph No. 2**

Facility: Wellspring Goose Frac Temp Booster

County: Eddy County, New Mexico

Description:
View of Initial Assessment Activities

**Photograph No. 3**

Facility: Wellspring Goose Frac Temp Booster

County: Eddy County, New Mexico

Description:
View of Initial Assessment Activities



PHOTOGRAPHIC LOG
Mewbourne Oil Company
Wellspring Goose Frac Temp Booster

Photograph No. 4

Facility: Wellspring Goose Frac Temp Booster

County: Eddy County, New Mexico

Description:
View of Initial Assessment Activities

**Photograph No. 5**

Facility: Wellspring Goose Frac Temp Booster

County: Eddy County, New Mexico

Description:
View of Initial Assessment Activities

**Photograph No. 6**

Facility: Wellspring Goose Frac Temp Booster

County: Eddy County, New Mexico

Description:
View of Initial Assessment Activities



ATTACHMENT D: LABORATORY ANALYTICAL REPORTS AND CHAIN-OF- CUSTODY DOCUMENTATION





Environment Testing

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

ANALYTICAL REPORT

PREPARED FOR

Attn: Becky Haskell
NT Global
701 Tradewinds Blvd
Midland, Texas 79706
Generated 2/6/2025 1:19:26 PM

JOB DESCRIPTION

Wellspring Goose Frac temp booster
259635

JOB NUMBER

890-7618-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

Eurofins Carlsbad

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



Generated
2/6/2025 1:19:26 PM

Authorized for release by
Jessica Kramer, Project Manager
Jessica.Kramer@et.eurofinsus.com
(432)704-5440

Client: NT Global
Project/Site: Wellspring Goose Frac temp booster

Laboratory Job ID: 890-7618-1
SDG: 259635

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Definitions/Glossary

Client: NT Global
Project/Site: Wellspring Goose Frac temp booster

Job ID: 890-7618-1
SDG: 259635

Qualifiers

GC VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: NT Global
Project: Wellspring Goose Frac temp booster

Job ID: 890-7618-1

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Job Narrative
890-7618-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 1/31/2025 1:29 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -4.6°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: V-1 (890-7618-1), V-1 (890-7618-2), V-1 (890-7618-3), V-1 (890-7618-4), V-1 (890-7618-5), V-2 (890-7618-6), V-2 (890-7618-7), V-2 (890-7618-8), V-2 (890-7618-9), V-2 (890-7618-10), V-3 (890-7618-11), V-3 (890-7618-12), V-3 (890-7618-13), V-3 (890-7618-14), V-3 (890-7618-15), V-4 (890-7618-16), V-4 (890-7618-17), V-4 (890-7618-18), V-4 (890-7618-19), V-4 (890-7618-20), V-4 (890-7618-21), V-4 (890-7618-22), V-4 (890-7618-23), V-5 (890-7618-24), V-5 (890-7618-25), V-5 (890-7618-26), V-5 (890-7618-27), V-5 (890-7618-28), V-6 (890-7618-29), V-6 (890-7618-30), H-1 (890-7618-31), H-2 (890-7618-32), H-3 (890-7618-33), H-4 (890-7618-34), H-5 (890-7618-35), H-6 (890-7618-36), H-7 (890-7618-37) and H-8 (890-7618-38).

GC VOA

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-101858 and analytical batch 880-101839 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: V-5 (890-7618-26), V-6 (890-7618-30) and H-8 (890-7618-38). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Diesel Range Organics

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: V-2 (890-7618-10), V-3 (890-7618-15) and V-4 (890-7618-17). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: V-4 (890-7618-21), V-4 (890-7618-22), V-4 (890-7618-23), V-5 (890-7618-25), V-5 (890-7618-26), V-5 (890-7618-27), V-5 (890-7618-28), V-6 (890-7618-29), H-5 (890-7618-35), H-6 (890-7618-36), (890-7618-A-21-E MS) and (890-7618-A-21-F MSD). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: V-5 (890-7618-24) and H-8 (890-7618-38). Percent recoveries are based on the amount spiked.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-101844 and analytical batch 880-102059 was outside the upper control limits.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-101844 and analytical batch 880-102059 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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Case Narrative

Client: NT Global
Project: Wellspring Goose Frac temp booster

Job ID: 890-7618-1

Job ID: 890-7618-1 (Continued) Eurofins Carlsbad

Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-101837 and analytical batch 880-101868 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-101937 and analytical batch 880-101990 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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Client Sample Results

Client: NT Global

Job ID: 890-7618-1

Project/Site: Wellspring Goose Frac temp booster

SDG: 259635

Client Sample ID: V-1

Lab Sample ID: 890-7618-1

Date Collected: 01/31/25 00:00

Matrix: Solid

Date Received: 01/31/25 13:29

Sample Depth: 0-6

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		02/03/25 09:53	02/03/25 13:30	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/03/25 09:53	02/03/25 13:30	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/03/25 09:53	02/03/25 13:30	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/03/25 09:53	02/03/25 13:30	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/03/25 09:53	02/03/25 13:30	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/03/25 09:53	02/03/25 13:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	02/03/25 09:53	02/03/25 13:30	1
1,4-Difluorobenzene (Surr)	89		70 - 130	02/03/25 09:53	02/03/25 13:30	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			02/03/25 13:30	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			02/05/25 10:54	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		02/03/25 09:00	02/05/25 10:54	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/03/25 09:00	02/05/25 10:54	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/03/25 09:00	02/05/25 10:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130	02/03/25 09:00	02/05/25 10:54	1
o-Terphenyl	94		70 - 130	02/03/25 09:00	02/05/25 10:54	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10600		199		mg/Kg			02/04/25 04:02	20

Client Sample ID: V-1

Lab Sample ID: 890-7618-2

Date Collected: 01/31/25 00:00

Matrix: Solid

Date Received: 01/31/25 13:29

Sample Depth: 1-1.5

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/03/25 09:53	02/03/25 13:51	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/03/25 09:53	02/03/25 13:51	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/03/25 09:53	02/03/25 13:51	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/03/25 09:53	02/03/25 13:51	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/03/25 09:53	02/03/25 13:51	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/03/25 09:53	02/03/25 13:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	02/03/25 09:53	02/03/25 13:51	1

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Client Sample Results

Client: NT Global

Job ID: 890-7618-1

Project/Site: Wellspring Goose Frac temp booster

SDG: 259635

Client Sample ID: V-1

Lab Sample ID: 890-7618-2

Date Collected: 01/31/25 00:00

Matrix: Solid

Date Received: 01/31/25 13:29

Sample Depth: 1-1.5

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	75		70 - 130	02/03/25 09:53	02/03/25 13:51	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/03/25 13:51	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/05/25 11:42	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/03/25 09:00	02/05/25 11:42	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/03/25 09:00	02/05/25 11:42	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/03/25 09:00	02/05/25 11:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130				02/03/25 09:00	02/05/25 11:42	1
o-Terphenyl	87		70 - 130				02/03/25 09:00	02/05/25 11:42	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6290		100		mg/Kg			02/04/25 04:08	10

Client Sample ID: V-1

Lab Sample ID: 890-7618-3

Date Collected: 01/31/25 00:00

Matrix: Solid

Date Received: 01/31/25 13:29

Sample Depth: 2-2.5

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/03/25 09:53	02/03/25 14:11	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/03/25 09:53	02/03/25 14:11	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/03/25 09:53	02/03/25 14:11	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/03/25 09:53	02/03/25 14:11	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/03/25 09:53	02/03/25 14:11	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/03/25 09:53	02/03/25 14:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	02/03/25 09:53	02/03/25 14:11	1
1,4-Difluorobenzene (Surr)	90		70 - 130	02/03/25 09:53	02/03/25 14:11	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/03/25 14:11	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			02/05/25 11:58	1

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Client Sample Results

Client: NT Global
Project/Site: Wellspring Goose Frac temp booster

Job ID: 890-7618-1
SDG: 259635

Client Sample ID: V-1

Lab Sample ID: 890-7618-3

Date Collected: 01/31/25 00:00

Matrix: Solid

Date Received: 01/31/25 13:29

Sample Depth: 2-2.5

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		02/03/25 09:00	02/05/25 11:58	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/03/25 09:00	02/05/25 11:58	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/03/25 09:00	02/05/25 11:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130				02/03/25 09:00	02/05/25 11:58	1
o-Terphenyl	81		70 - 130				02/03/25 09:00	02/05/25 11:58	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1700		50.5		mg/Kg			02/04/25 04:26	5

Client Sample ID: V-1

Lab Sample ID: 890-7618-4

Date Collected: 01/31/25 00:00

Matrix: Solid

Date Received: 01/31/25 13:29

Sample Depth: 3-3.5

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		02/03/25 09:53	02/03/25 14:32	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/03/25 09:53	02/03/25 14:32	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/03/25 09:53	02/03/25 14:32	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/03/25 09:53	02/03/25 14:32	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/03/25 09:53	02/03/25 14:32	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/03/25 09:53	02/03/25 14:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130				02/03/25 09:53	02/03/25 14:32	1
1,4-Difluorobenzene (Surr)	92		70 - 130				02/03/25 09:53	02/03/25 14:32	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			02/03/25 14:32	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/05/25 12:14	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/03/25 09:00	02/05/25 12:14	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/03/25 09:00	02/05/25 12:14	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/03/25 09:00	02/05/25 12:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130				02/03/25 09:00	02/05/25 12:14	1
o-Terphenyl	80		70 - 130				02/03/25 09:00	02/05/25 12:14	1

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Client Sample Results

Client: NT Global
Project/Site: Wellspring Goose Frac temp booster

Job ID: 890-7618-1
SDG: 259635

Client Sample ID: V-1

Lab Sample ID: 890-7618-4

Date Collected: 01/31/25 00:00

Matrix: Solid

Date Received: 01/31/25 13:29

Sample Depth: 3-3.5

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	53.3		9.94		mg/Kg			02/04/25 04:32	1

Client Sample ID: V-1

Lab Sample ID: 890-7618-5

Date Collected: 01/31/25 00:00

Matrix: Solid

Date Received: 01/31/25 13:29

Sample Depth: 4-4.5

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/03/25 09:53	02/03/25 14:52	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/03/25 09:53	02/03/25 14:52	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/03/25 09:53	02/03/25 14:52	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/03/25 09:53	02/03/25 14:52	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/03/25 09:53	02/03/25 14:52	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/03/25 09:53	02/03/25 14:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				02/03/25 09:53	02/03/25 14:52	1
1,4-Difluorobenzene (Surr)	80		70 - 130				02/03/25 09:53	02/03/25 14:52	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			02/03/25 14:52	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			02/05/25 12:31	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		02/03/25 09:00	02/05/25 12:31	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/03/25 09:00	02/05/25 12:31	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/03/25 09:00	02/05/25 12:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				02/03/25 09:00	02/05/25 12:31	1
o-Terphenyl	90		70 - 130				02/03/25 09:00	02/05/25 12:31	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	82.5		9.92		mg/Kg			02/04/25 04:38	1

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Client Sample Results

Client: NT Global

Job ID: 890-7618-1

Project/Site: Wellspring Goose Frac temp booster

SDG: 259635

Client Sample ID: V-2

Lab Sample ID: 890-7618-6

Date Collected: 01/31/25 00:00

Matrix: Solid

Date Received: 01/31/25 13:29

Sample Depth: 0-6

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		02/03/25 09:53	02/03/25 15:13	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/03/25 09:53	02/03/25 15:13	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/03/25 09:53	02/03/25 15:13	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		02/03/25 09:53	02/03/25 15:13	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/03/25 09:53	02/03/25 15:13	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		02/03/25 09:53	02/03/25 15:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	02/03/25 09:53	02/03/25 15:13	1
1,4-Difluorobenzene (Surr)	92		70 - 130	02/03/25 09:53	02/03/25 15:13	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			02/03/25 15:13	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			02/05/25 12:48	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		02/03/25 09:00	02/05/25 12:48	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/03/25 09:00	02/05/25 12:48	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/03/25 09:00	02/05/25 12:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130	02/03/25 09:00	02/05/25 12:48	1
o-Terphenyl	87		70 - 130	02/03/25 09:00	02/05/25 12:48	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4040		50.2		mg/Kg			02/04/25 04:44	5

Client Sample ID: V-2

Lab Sample ID: 890-7618-7

Date Collected: 01/31/25 00:00

Matrix: Solid

Date Received: 01/31/25 13:29

Sample Depth: 1-1.5

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/03/25 09:53	02/03/25 15:33	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/03/25 09:53	02/03/25 15:33	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/03/25 09:53	02/03/25 15:33	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/03/25 09:53	02/03/25 15:33	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/03/25 09:53	02/03/25 15:33	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/03/25 09:53	02/03/25 15:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	02/03/25 09:53	02/03/25 15:33	1

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Client Sample Results

Client: NT Global

Job ID: 890-7618-1

Project/Site: Wellspring Goose Frac temp booster

SDG: 259635

Client Sample ID: V-2

Lab Sample ID: 890-7618-7

Date Collected: 01/31/25 00:00

Matrix: Solid

Date Received: 01/31/25 13:29

Sample Depth: 1-1.5

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	90		70 - 130	02/03/25 09:53	02/03/25 15:33	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/03/25 15:33	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			02/05/25 13:04	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		02/03/25 09:00	02/05/25 13:04	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		02/03/25 09:00	02/05/25 13:04	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		02/03/25 09:00	02/05/25 13:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				02/03/25 09:00	02/05/25 13:04	1
o-Terphenyl	88		70 - 130				02/03/25 09:00	02/05/25 13:04	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	51.9		9.94		mg/Kg			02/04/25 04:50	1

Client Sample ID: V-2

Lab Sample ID: 890-7618-8

Date Collected: 01/31/25 00:00

Matrix: Solid

Date Received: 01/31/25 13:29

Sample Depth: 2-2.5

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		02/03/25 09:53	02/03/25 15:54	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/03/25 09:53	02/03/25 15:54	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/03/25 09:53	02/03/25 15:54	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		02/03/25 09:53	02/03/25 15:54	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/03/25 09:53	02/03/25 15:54	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		02/03/25 09:53	02/03/25 15:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	02/03/25 09:53	02/03/25 15:54	1
1,4-Difluorobenzene (Surr)	81		70 - 130	02/03/25 09:53	02/03/25 15:54	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			02/03/25 15:54	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			02/05/25 13:20	1

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Client Sample Results

Client: NT Global
Project/Site: Wellspring Goose Frac temp booster

Job ID: 890-7618-1
SDG: 259635

Client Sample ID: V-2

Lab Sample ID: 890-7618-8

Date Collected: 01/31/25 00:00

Matrix: Solid

Date Received: 01/31/25 13:29

Sample Depth: 2-2.5

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		02/03/25 09:00	02/05/25 13:20	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/03/25 09:00	02/05/25 13:20	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/03/25 09:00	02/05/25 13:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130				02/03/25 09:00	02/05/25 13:20	1
o-Terphenyl	86		70 - 130				02/03/25 09:00	02/05/25 13:20	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	75.1		9.98		mg/Kg			02/04/25 04:56	1

Client Sample ID: V-2

Lab Sample ID: 890-7618-9

Date Collected: 01/31/25 00:00

Matrix: Solid

Date Received: 01/31/25 13:29

Sample Depth: 3-3.5

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		02/03/25 09:53	02/03/25 16:14	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/03/25 09:53	02/03/25 16:14	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/03/25 09:53	02/03/25 16:14	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		02/03/25 09:53	02/03/25 16:14	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/03/25 09:53	02/03/25 16:14	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		02/03/25 09:53	02/03/25 16:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				02/03/25 09:53	02/03/25 16:14	1
1,4-Difluorobenzene (Surr)	78		70 - 130				02/03/25 09:53	02/03/25 16:14	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			02/03/25 16:14	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/05/25 13:37	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/03/25 09:00	02/05/25 13:37	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/03/25 09:00	02/05/25 13:37	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/03/25 09:00	02/05/25 13:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130				02/03/25 09:00	02/05/25 13:37	1
o-Terphenyl	87		70 - 130				02/03/25 09:00	02/05/25 13:37	1

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Client Sample Results

Client: NT Global

Job ID: 890-7618-1

Project/Site: Wellspring Goose Frac temp booster

SDG: 259635

Client Sample ID: V-2

Lab Sample ID: 890-7618-9

Date Collected: 01/31/25 00:00

Matrix: Solid

Date Received: 01/31/25 13:29

Sample Depth: 3-3.5

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	56.7		10.0		mg/Kg			02/04/25 05:01	1

Client Sample ID: V-2

Lab Sample ID: 890-7618-10

Date Collected: 01/31/25 00:00

Matrix: Solid

Date Received: 01/31/25 13:29

Sample Depth: 4-4.5

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		02/03/25 09:53	02/03/25 16:35	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/03/25 09:53	02/03/25 16:35	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/03/25 09:53	02/03/25 16:35	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		02/03/25 09:53	02/03/25 16:35	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/03/25 09:53	02/03/25 16:35	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		02/03/25 09:53	02/03/25 16:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130				02/03/25 09:53	02/03/25 16:35	1
1,4-Difluorobenzene (Surr)	92		70 - 130				02/03/25 09:53	02/03/25 16:35	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			02/03/25 16:35	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/05/25 13:53	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/03/25 09:00	02/05/25 13:53	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/03/25 09:00	02/05/25 13:53	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/03/25 09:00	02/05/25 13:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	76		70 - 130				02/03/25 09:00	02/05/25 13:53	1
o-Terphenyl	69	S1-	70 - 130				02/03/25 09:00	02/05/25 13:53	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	78.2		10.1		mg/Kg			02/03/25 22:53	1

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Client Sample Results

Client: NT Global

Job ID: 890-7618-1

Project/Site: Wellspring Goose Frac temp booster

SDG: 259635

Client Sample ID: V-3

Lab Sample ID: 890-7618-11

Date Collected: 01/31/25 00:00

Matrix: Solid

Date Received: 01/31/25 13:29

Sample Depth: 0-6

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		02/03/25 09:53	02/03/25 17:58	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/03/25 09:53	02/03/25 17:58	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/03/25 09:53	02/03/25 17:58	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/03/25 09:53	02/03/25 17:58	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/03/25 09:53	02/03/25 17:58	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/03/25 09:53	02/03/25 17:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	02/03/25 09:53	02/03/25 17:58	1
1,4-Difluorobenzene (Surr)	92		70 - 130	02/03/25 09:53	02/03/25 17:58	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			02/03/25 17:58	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			02/05/25 14:09	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		02/03/25 09:00	02/05/25 14:09	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/03/25 09:00	02/05/25 14:09	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/03/25 09:00	02/05/25 14:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	79		70 - 130	02/03/25 09:00	02/05/25 14:09	1
o-Terphenyl	73		70 - 130	02/03/25 09:00	02/05/25 14:09	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8080		101		mg/Kg			02/03/25 23:11	10

Client Sample ID: V-3

Lab Sample ID: 890-7618-12

Date Collected: 01/31/25 00:00

Matrix: Solid

Date Received: 01/31/25 13:29

Sample Depth: 1-1.5

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/03/25 09:53	02/03/25 18:19	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/03/25 09:53	02/03/25 18:19	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/03/25 09:53	02/03/25 18:19	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/03/25 09:53	02/03/25 18:19	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/03/25 09:53	02/03/25 18:19	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/03/25 09:53	02/03/25 18:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	02/03/25 09:53	02/03/25 18:19	1

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Client Sample Results

Client: NT Global

Job ID: 890-7618-1

Project/Site: Wellspring Goose Frac temp booster

SDG: 259635

Client Sample ID: V-3

Lab Sample ID: 890-7618-12

Date Collected: 01/31/25 00:00

Matrix: Solid

Date Received: 01/31/25 13:29

Sample Depth: 1-1.5

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	94		70 - 130	02/03/25 09:53	02/03/25 18:19	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			02/03/25 18:19	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			02/05/25 14:25	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		02/03/25 09:00	02/05/25 14:25	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/03/25 09:00	02/05/25 14:25	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/03/25 09:00	02/05/25 14:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	82		70 - 130				02/03/25 09:00	02/05/25 14:25	1
o-Terphenyl	75		70 - 130				02/03/25 09:00	02/05/25 14:25	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	179		9.94		mg/Kg			02/03/25 23:17	1

Client Sample ID: V-3

Lab Sample ID: 890-7618-13

Date Collected: 01/31/25 00:00

Matrix: Solid

Date Received: 01/31/25 13:29

Sample Depth: 2-2.5

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/03/25 09:53	02/03/25 18:39	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/03/25 09:53	02/03/25 18:39	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/03/25 09:53	02/03/25 18:39	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/03/25 09:53	02/03/25 18:39	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/03/25 09:53	02/03/25 18:39	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/03/25 09:53	02/03/25 18:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	02/03/25 09:53	02/03/25 18:39	1
1,4-Difluorobenzene (Surr)	94		70 - 130	02/03/25 09:53	02/03/25 18:39	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/03/25 18:39	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/05/25 14:42	1

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Client Sample Results

Client: NT Global

Job ID: 890-7618-1

Project/Site: Wellspring Goose Frac temp booster

SDG: 259635

Client Sample ID: V-3

Lab Sample ID: 890-7618-13

Date Collected: 01/31/25 00:00

Matrix: Solid

Date Received: 01/31/25 13:29

Sample Depth: 2-2.5

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/03/25 09:00	02/05/25 14:42	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/03/25 09:00	02/05/25 14:42	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/03/25 09:00	02/05/25 14:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	82		70 - 130				02/03/25 09:00	02/05/25 14:42	1
o-Terphenyl	75		70 - 130				02/03/25 09:00	02/05/25 14:42	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	43.7		9.92		mg/Kg			02/03/25 23:23	1

Client Sample ID: V-3

Lab Sample ID: 890-7618-14

Date Collected: 01/31/25 00:00

Matrix: Solid

Date Received: 01/31/25 13:29

Sample Depth: 3-3.5

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		02/03/25 09:53	02/03/25 19:00	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/03/25 09:53	02/03/25 19:00	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/03/25 09:53	02/03/25 19:00	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		02/03/25 09:53	02/03/25 19:00	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/03/25 09:53	02/03/25 19:00	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		02/03/25 09:53	02/03/25 19:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130				02/03/25 09:53	02/03/25 19:00	1
1,4-Difluorobenzene (Surr)	93		70 - 130				02/03/25 09:53	02/03/25 19:00	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			02/03/25 19:00	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/05/25 14:58	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/03/25 09:00	02/05/25 14:58	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/03/25 09:00	02/05/25 14:58	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/03/25 09:00	02/05/25 14:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	80		70 - 130				02/03/25 09:00	02/05/25 14:58	1
o-Terphenyl	74		70 - 130				02/03/25 09:00	02/05/25 14:58	1

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Client Sample Results

Client: NT Global

Job ID: 890-7618-1

Project/Site: Wellspring Goose Frac temp booster

SDG: 259635

Client Sample ID: V-3

Lab Sample ID: 890-7618-14

Date Collected: 01/31/25 00:00

Matrix: Solid

Date Received: 01/31/25 13:29

Sample Depth: 3-3.5

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	39.5		10.1		mg/Kg			02/03/25 23:29	1

Client Sample ID: V-3

Lab Sample ID: 890-7618-15

Date Collected: 01/31/25 00:00

Matrix: Solid

Date Received: 01/31/25 13:29

Sample Depth: 4-4.5

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		02/03/25 09:53	02/03/25 19:20	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/03/25 09:53	02/03/25 19:20	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/03/25 09:53	02/03/25 19:20	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/03/25 09:53	02/03/25 19:20	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/03/25 09:53	02/03/25 19:20	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/03/25 09:53	02/03/25 19:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130				02/03/25 09:53	02/03/25 19:20	1
1,4-Difluorobenzene (Surr)	94		70 - 130				02/03/25 09:53	02/03/25 19:20	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			02/03/25 19:20	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			02/05/25 15:14	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		02/03/25 09:00	02/05/25 15:14	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		02/03/25 09:00	02/05/25 15:14	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		02/03/25 09:00	02/05/25 15:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	76		70 - 130				02/03/25 09:00	02/05/25 15:14	1
o-Terphenyl	69	S1-	70 - 130				02/03/25 09:00	02/05/25 15:14	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	78.9		9.96		mg/Kg			02/03/25 23:47	1

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Client Sample Results

Client: NT Global

Job ID: 890-7618-1

Project/Site: Wellspring Goose Frac temp booster

SDG: 259635

Client Sample ID: V-4

Lab Sample ID: 890-7618-16

Date Collected: 01/31/25 00:00

Matrix: Solid

Date Received: 01/31/25 13:29

Sample Depth: 0-6

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/03/25 09:53	02/03/25 19:41	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/03/25 09:53	02/03/25 19:41	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/03/25 09:53	02/03/25 19:41	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/03/25 09:53	02/03/25 19:41	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/03/25 09:53	02/03/25 19:41	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/03/25 09:53	02/03/25 19:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	02/03/25 09:53	02/03/25 19:41	1
1,4-Difluorobenzene (Surr)	96		70 - 130	02/03/25 09:53	02/03/25 19:41	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/03/25 19:41	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			02/05/25 15:31	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		02/03/25 09:00	02/05/25 15:31	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/03/25 09:00	02/05/25 15:31	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/03/25 09:00	02/05/25 15:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	78		70 - 130	02/03/25 09:00	02/05/25 15:31	1
o-Terphenyl	71		70 - 130	02/03/25 09:00	02/05/25 15:31	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10400		198		mg/Kg			02/03/25 23:53	20

Client Sample ID: V-4

Lab Sample ID: 890-7618-17

Date Collected: 01/31/25 00:00

Matrix: Solid

Date Received: 01/31/25 13:29

Sample Depth: 1-1.5

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		02/03/25 09:53	02/03/25 20:01	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/03/25 09:53	02/03/25 20:01	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/03/25 09:53	02/03/25 20:01	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/03/25 09:53	02/03/25 20:01	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/03/25 09:53	02/03/25 20:01	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/03/25 09:53	02/03/25 20:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	02/03/25 09:53	02/03/25 20:01	1

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Client Sample Results

Client: NT Global

Job ID: 890-7618-1

Project/Site: Wellspring Goose Frac temp booster

SDG: 259635

Client Sample ID: V-4

Lab Sample ID: 890-7618-17

Date Collected: 01/31/25 00:00

Matrix: Solid

Date Received: 01/31/25 13:29

Sample Depth: 1-1.5

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	80		70 - 130	02/03/25 09:53	02/03/25 20:01	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			02/03/25 20:01	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			02/05/25 15:47	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		02/03/25 09:00	02/05/25 15:47	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/03/25 09:00	02/05/25 15:47	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/03/25 09:00	02/05/25 15:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	73		70 - 130				02/03/25 09:00	02/05/25 15:47	1
o-Terphenyl	68	S1-	70 - 130				02/03/25 09:00	02/05/25 15:47	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8060		101		mg/Kg			02/03/25 23:59	10

Client Sample ID: V-4

Lab Sample ID: 890-7618-18

Date Collected: 01/31/25 00:00

Matrix: Solid

Date Received: 01/31/25 13:29

Sample Depth: 2-2.5

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/03/25 09:53	02/03/25 20:22	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/03/25 09:53	02/03/25 20:22	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/03/25 09:53	02/03/25 20:22	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/03/25 09:53	02/03/25 20:22	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/03/25 09:53	02/03/25 20:22	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/03/25 09:53	02/03/25 20:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130	02/03/25 09:53	02/03/25 20:22	1
1,4-Difluorobenzene (Surr)	93		70 - 130	02/03/25 09:53	02/03/25 20:22	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/03/25 20:22	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			02/05/25 16:03	1

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Client Sample Results

Client: NT Global

Job ID: 890-7618-1

Project/Site: Wellspring Goose Frac temp booster

SDG: 259635

Client Sample ID: V-4

Lab Sample ID: 890-7618-18

Date Collected: 01/31/25 00:00

Matrix: Solid

Date Received: 01/31/25 13:29

Sample Depth: 2-2.5

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		02/03/25 09:00	02/05/25 16:03	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		02/03/25 09:00	02/05/25 16:03	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		02/03/25 09:00	02/05/25 16:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	81		70 - 130				02/03/25 09:00	02/05/25 16:03	1
o-Terphenyl	75		70 - 130				02/03/25 09:00	02/05/25 16:03	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6330		99.4		mg/Kg			02/04/25 00:05	10

Client Sample ID: V-4

Lab Sample ID: 890-7618-19

Date Collected: 01/31/25 00:00

Matrix: Solid

Date Received: 01/31/25 13:29

Sample Depth: 3-3.5

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/03/25 09:53	02/03/25 20:42	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/03/25 09:53	02/03/25 20:42	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/03/25 09:53	02/03/25 20:42	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/03/25 09:53	02/03/25 20:42	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/03/25 09:53	02/03/25 20:42	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/03/25 09:53	02/03/25 20:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130				02/03/25 09:53	02/03/25 20:42	1
1,4-Difluorobenzene (Surr)	96		70 - 130				02/03/25 09:53	02/03/25 20:42	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			02/03/25 20:42	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			02/05/25 16:19	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		02/03/25 09:00	02/05/25 16:19	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/03/25 09:00	02/05/25 16:19	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/03/25 09:00	02/05/25 16:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	80		70 - 130				02/03/25 09:00	02/05/25 16:19	1
o-Terphenyl	74		70 - 130				02/03/25 09:00	02/05/25 16:19	1

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Client Sample Results

Client: NT Global

Job ID: 890-7618-1

Project/Site: Wellspring Goose Frac temp booster

SDG: 259635

Client Sample ID: V-4

Lab Sample ID: 890-7618-19

Date Collected: 01/31/25 00:00

Matrix: Solid

Date Received: 01/31/25 13:29

Sample Depth: 3-3.5

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5490		100		mg/Kg			02/04/25 00:11	10

Client Sample ID: V-4

Lab Sample ID: 890-7618-20

Date Collected: 01/31/25 00:00

Matrix: Solid

Date Received: 01/31/25 13:29

Sample Depth: 4-4.5

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/03/25 09:53	02/03/25 21:03	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/03/25 09:53	02/03/25 21:03	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/03/25 09:53	02/03/25 21:03	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/03/25 09:53	02/03/25 21:03	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/03/25 09:53	02/03/25 21:03	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/03/25 09:53	02/03/25 21:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130				02/03/25 09:53	02/03/25 21:03	1
1,4-Difluorobenzene (Surr)	89		70 - 130				02/03/25 09:53	02/03/25 21:03	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/03/25 21:03	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			02/05/25 16:35	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		02/03/25 09:00	02/05/25 16:35	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/03/25 09:00	02/05/25 16:35	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/03/25 09:00	02/05/25 16:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	77		70 - 130				02/03/25 09:00	02/05/25 16:35	1
o-Terphenyl	72		70 - 130				02/03/25 09:00	02/05/25 16:35	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4560		49.8		mg/Kg			02/04/25 00:17	5

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Client Sample Results

Client: NT Global

Job ID: 890-7618-1

Project/Site: Wellspring Goose Frac temp booster

SDG: 259635

Client Sample ID: V-4

Lab Sample ID: 890-7618-21

Date Collected: 01/31/25 00:00

Matrix: Solid

Date Received: 01/31/25 13:29

Sample Depth: 5-5.5

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		02/03/25 09:56	02/03/25 14:34	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/03/25 09:56	02/03/25 14:34	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/03/25 09:56	02/03/25 14:34	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/03/25 09:56	02/03/25 14:34	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/03/25 09:56	02/03/25 14:34	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/03/25 09:56	02/03/25 14:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	02/03/25 09:56	02/03/25 14:34	1
1,4-Difluorobenzene (Surr)	100		70 - 130	02/03/25 09:56	02/03/25 14:34	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			02/03/25 14:34	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/05/25 10:54	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/03/25 09:03	02/05/25 10:54	1
Diesel Range Organics (Over C10-C28)	<49.9	U F1	49.9		mg/Kg		02/03/25 09:03	02/05/25 10:54	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/03/25 09:03	02/05/25 10:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	154	S1+	70 - 130	02/03/25 09:03	02/05/25 10:54	1
o-Terphenyl	121		70 - 130	02/03/25 09:03	02/05/25 10:54	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3840		49.6		mg/Kg			02/04/25 00:35	5

Client Sample ID: V-4

Lab Sample ID: 890-7618-22

Date Collected: 01/31/25 00:00

Matrix: Solid

Date Received: 01/31/25 13:29

Sample Depth: 6-6.5

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/03/25 09:56	02/03/25 14:54	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/03/25 09:56	02/03/25 14:54	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/03/25 09:56	02/03/25 14:54	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/03/25 09:56	02/03/25 14:54	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/03/25 09:56	02/03/25 14:54	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/03/25 09:56	02/03/25 14:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	128		70 - 130	02/03/25 09:56	02/03/25 14:54	1

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Client Sample Results

Client: NT Global

Job ID: 890-7618-1

Project/Site: Wellspring Goose Frac temp booster

SDG: 259635

Client Sample ID: V-4

Lab Sample ID: 890-7618-22

Date Collected: 01/31/25 00:00

Matrix: Solid

Date Received: 01/31/25 13:29

Sample Depth: 6-6.5

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	105		70 - 130	02/03/25 09:56	02/03/25 14:54	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/03/25 14:54	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			02/05/25 11:42	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		02/03/25 09:03	02/05/25 11:42	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/03/25 09:03	02/05/25 11:42	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/03/25 09:03	02/05/25 11:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	150	S1+	70 - 130				02/03/25 09:03	02/05/25 11:42	1
o-Terphenyl	121		70 - 130				02/03/25 09:03	02/05/25 11:42	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	775		10.0		mg/Kg			02/04/25 00:41	1

Client Sample ID: V-4

Lab Sample ID: 890-7618-23

Date Collected: 01/31/25 00:00

Matrix: Solid

Date Received: 01/31/25 13:29

Sample Depth: 7-7.5

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		02/03/25 09:56	02/03/25 15:15	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/03/25 09:56	02/03/25 15:15	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/03/25 09:56	02/03/25 15:15	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/03/25 09:56	02/03/25 15:15	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/03/25 09:56	02/03/25 15:15	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/03/25 09:56	02/03/25 15:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130	02/03/25 09:56	02/03/25 15:15	1
1,4-Difluorobenzene (Surr)	108		70 - 130	02/03/25 09:56	02/03/25 15:15	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			02/03/25 15:15	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			02/05/25 11:58	1

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Client Sample Results

Client: NT Global

Job ID: 890-7618-1

Project/Site: Wellspring Goose Frac temp booster

SDG: 259635

Client Sample ID: V-4

Lab Sample ID: 890-7618-23

Date Collected: 01/31/25 00:00

Matrix: Solid

Date Received: 01/31/25 13:29

Sample Depth: 7-7.5

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		02/03/25 09:03	02/05/25 11:58	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		02/03/25 09:03	02/05/25 11:58	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		02/03/25 09:03	02/05/25 11:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	151	S1+	70 - 130				02/03/25 09:03	02/05/25 11:58	1
o-Terphenyl	122		70 - 130				02/03/25 09:03	02/05/25 11:58	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	108		9.94		mg/Kg			02/04/25 00:58	1

Client Sample ID: V-5

Lab Sample ID: 890-7618-24

Date Collected: 01/31/25 00:00

Matrix: Solid

Date Received: 01/31/25 13:29

Sample Depth: 0-6

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		02/03/25 09:56	02/03/25 15:35	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/03/25 09:56	02/03/25 15:35	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/03/25 09:56	02/03/25 15:35	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		02/03/25 09:56	02/03/25 15:35	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/03/25 09:56	02/03/25 15:35	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		02/03/25 09:56	02/03/25 15:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130				02/03/25 09:56	02/03/25 15:35	1
1,4-Difluorobenzene (Surr)	109		70 - 130				02/03/25 09:56	02/03/25 15:35	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			02/03/25 15:35	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			02/05/25 12:14	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		02/03/25 09:03	02/05/25 12:14	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/03/25 09:03	02/05/25 12:14	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/03/25 09:03	02/05/25 12:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	163	S1+	70 - 130				02/03/25 09:03	02/05/25 12:14	1
o-Terphenyl	136	S1+	70 - 130				02/03/25 09:03	02/05/25 12:14	1

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Client Sample Results

Client: NT Global

Job ID: 890-7618-1

Project/Site: Wellspring Goose Frac temp booster

SDG: 259635

Client Sample ID: V-5

Lab Sample ID: 890-7618-24

Date Collected: 01/31/25 00:00

Matrix: Solid

Date Received: 01/31/25 13:29

Sample Depth: 0-6

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7260		99.2		mg/Kg			02/04/25 01:04	10

Client Sample ID: V-5

Lab Sample ID: 890-7618-25

Date Collected: 01/31/25 00:00

Matrix: Solid

Date Received: 01/31/25 13:29

Sample Depth: 1-1.5

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/03/25 09:56	02/03/25 15:55	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/03/25 09:56	02/03/25 15:55	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/03/25 09:56	02/03/25 15:55	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/03/25 09:56	02/03/25 15:55	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/03/25 09:56	02/03/25 15:55	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/03/25 09:56	02/03/25 15:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	127		70 - 130				02/03/25 09:56	02/03/25 15:55	1
1,4-Difluorobenzene (Surr)	105		70 - 130				02/03/25 09:56	02/03/25 15:55	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/03/25 15:55	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/05/25 12:31	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/03/25 09:03	02/05/25 12:31	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/03/25 09:03	02/05/25 12:31	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/03/25 09:03	02/05/25 12:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	142	S1+	70 - 130				02/03/25 09:03	02/05/25 12:31	1
o-Terphenyl	115		70 - 130				02/03/25 09:03	02/05/25 12:31	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5820		100		mg/Kg			02/04/25 01:10	10

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Client Sample Results

Client: NT Global

Job ID: 890-7618-1

Project/Site: Wellspring Goose Frac temp booster

SDG: 259635

Client Sample ID: V-5

Lab Sample ID: 890-7618-26

Date Collected: 01/31/25 00:00

Matrix: Solid

Date Received: 01/31/25 13:29

Sample Depth: 2-2.5

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/03/25 09:56	02/03/25 16:16	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/03/25 09:56	02/03/25 16:16	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/03/25 09:56	02/03/25 16:16	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/03/25 09:56	02/03/25 16:16	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/03/25 09:56	02/03/25 16:16	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/03/25 09:56	02/03/25 16:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	135	S1+	70 - 130	02/03/25 09:56	02/03/25 16:16	1
1,4-Difluorobenzene (Surr)	111		70 - 130	02/03/25 09:56	02/03/25 16:16	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/03/25 16:16	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			02/05/25 12:48	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		02/03/25 09:03	02/05/25 12:48	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/03/25 09:03	02/05/25 12:48	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/03/25 09:03	02/05/25 12:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	142	S1+	70 - 130	02/03/25 09:03	02/05/25 12:48	1
o-Terphenyl	112		70 - 130	02/03/25 09:03	02/05/25 12:48	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5310		100		mg/Kg			02/04/25 01:16	10

Client Sample ID: V-5

Lab Sample ID: 890-7618-27

Date Collected: 01/31/25 00:00

Matrix: Solid

Date Received: 01/31/25 13:29

Sample Depth: 3-3.5

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		02/03/25 09:56	02/03/25 16:36	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/03/25 09:56	02/03/25 16:36	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/03/25 09:56	02/03/25 16:36	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		02/03/25 09:56	02/03/25 16:36	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/03/25 09:56	02/03/25 16:36	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		02/03/25 09:56	02/03/25 16:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	130		70 - 130	02/03/25 09:56	02/03/25 16:36	1

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Client Sample Results

Client: NT Global

Job ID: 890-7618-1

Project/Site: Wellspring Goose Frac temp booster

SDG: 259635

Client Sample ID: V-5

Lab Sample ID: 890-7618-27

Date Collected: 01/31/25 00:00

Matrix: Solid

Date Received: 01/31/25 13:29

Sample Depth: 3-3.5

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	107		70 - 130	02/03/25 09:56	02/03/25 16:36	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			02/03/25 16:36	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			02/05/25 13:04	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		02/03/25 09:03	02/05/25 13:04	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/03/25 09:03	02/05/25 13:04	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/03/25 09:03	02/05/25 13:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	156	S1+	70 - 130				02/03/25 09:03	02/05/25 13:04	1
o-Terphenyl	123		70 - 130				02/03/25 09:03	02/05/25 13:04	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1250		49.7		mg/Kg			02/04/25 01:22	5

Client Sample ID: V-5

Lab Sample ID: 890-7618-28

Date Collected: 01/31/25 00:00

Matrix: Solid

Date Received: 01/31/25 13:29

Sample Depth: 4-4.5

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/03/25 09:56	02/03/25 16:57	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/03/25 09:56	02/03/25 16:57	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/03/25 09:56	02/03/25 16:57	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/03/25 09:56	02/03/25 16:57	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/03/25 09:56	02/03/25 16:57	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/03/25 09:56	02/03/25 16:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	129		70 - 130	02/03/25 09:56	02/03/25 16:57	1
1,4-Difluorobenzene (Surr)	104		70 - 130	02/03/25 09:56	02/03/25 16:57	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/03/25 16:57	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			02/05/25 13:20	1

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Client Sample Results

Client: NT Global

Job ID: 890-7618-1

Project/Site: Wellspring Goose Frac temp booster

SDG: 259635

Client Sample ID: V-5

Lab Sample ID: 890-7618-28

Date Collected: 01/31/25 00:00

Matrix: Solid

Date Received: 01/31/25 13:29

Sample Depth: 4-4.5

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		02/03/25 09:03	02/05/25 13:20	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		02/03/25 09:03	02/05/25 13:20	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		02/03/25 09:03	02/05/25 13:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	156	S1+	70 - 130				02/03/25 09:03	02/05/25 13:20	1
o-Terphenyl	122		70 - 130				02/03/25 09:03	02/05/25 13:20	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	154		9.98		mg/Kg			02/04/25 01:28	1

Client Sample ID: V-6

Lab Sample ID: 890-7618-29

Date Collected: 01/31/25 00:00

Matrix: Solid

Date Received: 01/31/25 13:29

Sample Depth: 0-6

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/03/25 09:56	02/03/25 17:17	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/03/25 09:56	02/03/25 17:17	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/03/25 09:56	02/03/25 17:17	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/03/25 09:56	02/03/25 17:17	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/03/25 09:56	02/03/25 17:17	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/03/25 09:56	02/03/25 17:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	127		70 - 130				02/03/25 09:56	02/03/25 17:17	1
1,4-Difluorobenzene (Surr)	110		70 - 130				02/03/25 09:56	02/03/25 17:17	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			02/03/25 17:17	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	171		49.8		mg/Kg			02/05/25 13:37	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		02/03/25 09:03	02/05/25 13:37	1
Diesel Range Organics (Over C10-C28)	171		49.8		mg/Kg		02/03/25 09:03	02/05/25 13:37	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/03/25 09:03	02/05/25 13:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	156	S1+	70 - 130				02/03/25 09:03	02/05/25 13:37	1
o-Terphenyl	123		70 - 130				02/03/25 09:03	02/05/25 13:37	1

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Client Sample Results

Client: NT Global

Job ID: 890-7618-1

Project/Site: Wellspring Goose Frac temp booster

SDG: 259635

Client Sample ID: V-6

Lab Sample ID: 890-7618-29

Date Collected: 01/31/25 00:00

Matrix: Solid

Date Received: 01/31/25 13:29

Sample Depth: 0-6

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	155		50.0		mg/Kg			02/04/25 01:34	5

Client Sample ID: V-6

Lab Sample ID: 890-7618-30

Date Collected: 01/31/25 00:00

Matrix: Solid

Date Received: 01/31/25 13:29

Sample Depth: 1-1.5

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		02/03/25 09:56	02/03/25 17:37	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/03/25 09:56	02/03/25 17:37	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/03/25 09:56	02/03/25 17:37	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/03/25 09:56	02/03/25 17:37	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/03/25 09:56	02/03/25 17:37	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/03/25 09:56	02/03/25 17:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	131	S1+	70 - 130				02/03/25 09:56	02/03/25 17:37	1
1,4-Difluorobenzene (Surr)	105		70 - 130				02/03/25 09:56	02/03/25 17:37	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			02/03/25 17:37	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			02/05/25 13:53	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		02/03/25 09:03	02/05/25 13:53	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		02/03/25 09:03	02/05/25 13:53	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		02/03/25 09:03	02/05/25 13:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	129		70 - 130				02/03/25 09:03	02/05/25 13:53	1
o-Terphenyl	104		70 - 130				02/03/25 09:03	02/05/25 13:53	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2630	F1	50.5		mg/Kg			02/05/25 08:29	5

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Client Sample Results

Client: NT Global

Job ID: 890-7618-1

Project/Site: Wellspring Goose Frac temp booster

SDG: 259635

Client Sample ID: H-1

Lab Sample ID: 890-7618-31

Date Collected: 01/31/25 00:00

Matrix: Solid

Date Received: 01/31/25 13:29

Sample Depth: 0-6

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		02/03/25 09:56	02/03/25 19:27	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/03/25 09:56	02/03/25 19:27	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/03/25 09:56	02/03/25 19:27	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		02/03/25 09:56	02/03/25 19:27	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/03/25 09:56	02/03/25 19:27	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		02/03/25 09:56	02/03/25 19:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	02/03/25 09:56	02/03/25 19:27	1
1,4-Difluorobenzene (Surr)	98		70 - 130	02/03/25 09:56	02/03/25 19:27	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			02/03/25 19:27	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			02/05/25 14:09	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		02/03/25 09:03	02/05/25 14:09	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/03/25 09:03	02/05/25 14:09	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/03/25 09:03	02/05/25 14:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	128		70 - 130	02/03/25 09:03	02/05/25 14:09	1
o-Terphenyl	103		70 - 130	02/03/25 09:03	02/05/25 14:09	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	120		10.0		mg/Kg			02/05/25 08:51	1

Client Sample ID: H-2

Lab Sample ID: 890-7618-32

Date Collected: 01/31/25 00:00

Matrix: Solid

Date Received: 01/31/25 13:29

Sample Depth: 0-6

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/03/25 09:56	02/03/25 19:48	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/03/25 09:56	02/03/25 19:48	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/03/25 09:56	02/03/25 19:48	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/03/25 09:56	02/03/25 19:48	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/03/25 09:56	02/03/25 19:48	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/03/25 09:56	02/03/25 19:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130	02/03/25 09:56	02/03/25 19:48	1

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Client Sample Results

Client: NT Global

Job ID: 890-7618-1

Project/Site: Wellspring Goose Frac temp booster

SDG: 259635

Client Sample ID: H-2

Lab Sample ID: 890-7618-32

Date Collected: 01/31/25 00:00

Matrix: Solid

Date Received: 01/31/25 13:29

Sample Depth: 0-6

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	110		70 - 130	02/03/25 09:56	02/03/25 19:48	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			02/03/25 19:48	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			02/05/25 14:25	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		02/03/25 09:03	02/05/25 14:25	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		02/03/25 09:03	02/05/25 14:25	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		02/03/25 09:03	02/05/25 14:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	130		70 - 130				02/03/25 09:03	02/05/25 14:25	1
o-Terphenyl	106		70 - 130				02/03/25 09:03	02/05/25 14:25	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	15.5		10.1		mg/Kg			02/05/25 08:58	1

Client Sample ID: H-3

Lab Sample ID: 890-7618-33

Date Collected: 01/31/25 00:00

Matrix: Solid

Date Received: 01/31/25 13:29

Sample Depth: 0-6

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/03/25 09:56	02/03/25 20:08	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/03/25 09:56	02/03/25 20:08	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/03/25 09:56	02/03/25 20:08	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/03/25 09:56	02/03/25 20:08	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/03/25 09:56	02/03/25 20:08	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/03/25 09:56	02/03/25 20:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130	02/03/25 09:56	02/03/25 20:08	1
1,4-Difluorobenzene (Surr)	106		70 - 130	02/03/25 09:56	02/03/25 20:08	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/03/25 20:08	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			02/05/25 14:42	1

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Client Sample Results

Client: NT Global

Job ID: 890-7618-1

Project/Site: Wellspring Goose Frac temp booster

SDG: 259635

Client Sample ID: H-3

Lab Sample ID: 890-7618-33

Date Collected: 01/31/25 00:00

Matrix: Solid

Date Received: 01/31/25 13:29

Sample Depth: 0-6

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		02/03/25 09:03	02/05/25 14:42	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/03/25 09:03	02/05/25 14:42	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/03/25 09:03	02/05/25 14:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	129		70 - 130				02/03/25 09:03	02/05/25 14:42	1
o-Terphenyl	103		70 - 130				02/03/25 09:03	02/05/25 14:42	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	51.3		10.1		mg/Kg			02/05/25 10:48	1

Client Sample ID: H-4

Lab Sample ID: 890-7618-34

Date Collected: 01/31/25 00:00

Matrix: Solid

Date Received: 01/31/25 13:29

Sample Depth: 0-6

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		02/03/25 09:56	02/03/25 20:29	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/03/25 09:56	02/03/25 20:29	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/03/25 09:56	02/03/25 20:29	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		02/03/25 09:56	02/03/25 20:29	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/03/25 09:56	02/03/25 20:29	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		02/03/25 09:56	02/03/25 20:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130				02/03/25 09:56	02/03/25 20:29	1
1,4-Difluorobenzene (Surr)	104		70 - 130				02/03/25 09:56	02/03/25 20:29	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			02/03/25 20:29	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			02/05/25 14:58	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		02/03/25 09:03	02/05/25 14:58	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/03/25 09:03	02/05/25 14:58	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/03/25 09:03	02/05/25 14:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	128		70 - 130				02/03/25 09:03	02/05/25 14:58	1
o-Terphenyl	113		70 - 130				02/03/25 09:03	02/05/25 14:58	1

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Client Sample Results

Client: NT Global

Job ID: 890-7618-1

Project/Site: Wellspring Goose Frac temp booster

SDG: 259635

Client Sample ID: H-4

Lab Sample ID: 890-7618-34

Date Collected: 01/31/25 00:00

Matrix: Solid

Date Received: 01/31/25 13:29

Sample Depth: 0-6

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.98	U	9.98		mg/Kg			02/05/25 10:55	1

Client Sample ID: H-5

Lab Sample ID: 890-7618-35

Date Collected: 01/31/25 00:00

Matrix: Solid

Date Received: 01/31/25 13:29

Sample Depth: 0-6

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/03/25 09:56	02/03/25 20:49	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/03/25 09:56	02/03/25 20:49	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/03/25 09:56	02/03/25 20:49	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/03/25 09:56	02/03/25 20:49	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/03/25 09:56	02/03/25 20:49	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/03/25 09:56	02/03/25 20:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130				02/03/25 09:56	02/03/25 20:49	1
1,4-Difluorobenzene (Surr)	102		70 - 130				02/03/25 09:56	02/03/25 20:49	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/03/25 20:49	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/05/25 15:14	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/03/25 09:03	02/05/25 15:14	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/03/25 09:03	02/05/25 15:14	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/03/25 09:03	02/05/25 15:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	131	S1+	70 - 130				02/03/25 09:03	02/05/25 15:14	1
o-Terphenyl	105		70 - 130				02/03/25 09:03	02/05/25 15:14	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			02/05/25 11:03	1

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Client Sample Results

Client: NT Global

Job ID: 890-7618-1

Project/Site: Wellspring Goose Frac temp booster

SDG: 259635

Client Sample ID: H-6

Lab Sample ID: 890-7618-36

Date Collected: 01/31/25 00:00

Matrix: Solid

Date Received: 01/31/25 13:29

Sample Depth: 0-6

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/03/25 09:56	02/03/25 21:10	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/03/25 09:56	02/03/25 21:10	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/03/25 09:56	02/03/25 21:10	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/03/25 09:56	02/03/25 21:10	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/03/25 09:56	02/03/25 21:10	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/03/25 09:56	02/03/25 21:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130	02/03/25 09:56	02/03/25 21:10	1
1,4-Difluorobenzene (Surr)	99		70 - 130	02/03/25 09:56	02/03/25 21:10	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/03/25 21:10	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/05/25 15:31	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/03/25 09:03	02/05/25 15:31	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/03/25 09:03	02/05/25 15:31	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/03/25 09:03	02/05/25 15:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	137	S1+	70 - 130	02/03/25 09:03	02/05/25 15:31	1
o-Terphenyl	109		70 - 130	02/03/25 09:03	02/05/25 15:31	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			02/05/25 11:10	1

Client Sample ID: H-7

Lab Sample ID: 890-7618-37

Date Collected: 01/31/25 00:00

Matrix: Solid

Date Received: 01/31/25 13:29

Sample Depth: 0-6

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		02/03/25 09:56	02/03/25 21:30	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/03/25 09:56	02/03/25 21:30	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/03/25 09:56	02/03/25 21:30	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/03/25 09:56	02/03/25 21:30	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/03/25 09:56	02/03/25 21:30	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/03/25 09:56	02/03/25 21:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130	02/03/25 09:56	02/03/25 21:30	1

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Client Sample Results

Client: NT Global

Job ID: 890-7618-1

Project/Site: Wellspring Goose Frac temp booster

SDG: 259635

Client Sample ID: H-7

Lab Sample ID: 890-7618-37

Date Collected: 01/31/25 00:00

Matrix: Solid

Date Received: 01/31/25 13:29

Sample Depth: 0-6

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	108		70 - 130	02/03/25 09:56	02/03/25 21:30	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			02/03/25 21:30	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			02/05/25 15:47	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		02/03/25 09:03	02/05/25 15:47	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/03/25 09:03	02/05/25 15:47	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/03/25 09:03	02/05/25 15:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	124		70 - 130				02/03/25 09:03	02/05/25 15:47	1
o-Terphenyl	99		70 - 130				02/03/25 09:03	02/05/25 15:47	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.96	U	9.96		mg/Kg			02/05/25 11:17	1

Client Sample ID: H-8

Lab Sample ID: 890-7618-38

Date Collected: 01/31/25 00:00

Matrix: Solid

Date Received: 01/31/25 13:29

Sample Depth: 0-6

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		02/03/25 09:56	02/03/25 21:51	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/03/25 09:56	02/03/25 21:51	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/03/25 09:56	02/03/25 21:51	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		02/03/25 09:56	02/03/25 21:51	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/03/25 09:56	02/03/25 21:51	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		02/03/25 09:56	02/03/25 21:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	134	S1+	70 - 130	02/03/25 09:56	02/03/25 21:51	1
1,4-Difluorobenzene (Surr)	104		70 - 130	02/03/25 09:56	02/03/25 21:51	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			02/03/25 21:51	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			02/05/25 16:03	1

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Client Sample Results

Client: NT Global
Project/Site: Wellspring Goose Frac temp booster

Job ID: 890-7618-1
SDG: 259635

Client Sample ID: H-8
Date Collected: 01/31/25 00:00
Date Received: 01/31/25 13:29
Sample Depth: 0-6

Lab Sample ID: 890-7618-38
Matrix: Solid

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		02/03/25 09:03	02/05/25 16:03	1	
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		02/03/25 09:03	02/05/25 16:03	1	
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		02/03/25 09:03	02/05/25 16:03	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	166	S1+	70 - 130				02/03/25 09:03	02/05/25 16:03	1	
o-Terphenyl	132	S1+	70 - 130				02/03/25 09:03	02/05/25 16:03	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	104		10.1		mg/Kg			02/05/25 11:25	1	

Surrogate Summary

Client: NT Global

Job ID: 890-7618-1

Project/Site: Wellspring Goose Frac temp booster

SDG: 259635

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
890-7618-1	V-1	98	89
890-7618-1 MS	V-1	109	95
890-7618-1 MSD	V-1	122	103
890-7618-2	V-1	103	75
890-7618-3	V-1	97	90
890-7618-4	V-1	97	92
890-7618-5	V-1	107	80
890-7618-6	V-2	97	92
890-7618-7	V-2	96	90
890-7618-8	V-2	100	81
890-7618-9	V-2	106	78
890-7618-10	V-2	96	92
890-7618-11	V-3	96	92
890-7618-12	V-3	97	94
890-7618-13	V-3	97	94
890-7618-14	V-3	97	93
890-7618-15	V-3	96	94
890-7618-16	V-4	94	96
890-7618-17	V-4	95	80
890-7618-18	V-4	92	93
890-7618-19	V-4	100	96
890-7618-20	V-4	91	89
890-7618-21	V-4	105	100
890-7618-21 MS	V-4	106	96
890-7618-21 MSD	V-4	118	102
890-7618-22	V-4	128	105
890-7618-23	V-4	124	108
890-7618-24	V-5	119	109
890-7618-25	V-5	127	105
890-7618-26	V-5	135 S1+	111
890-7618-27	V-5	130	107
890-7618-28	V-5	129	104
890-7618-29	V-6	127	110
890-7618-30	V-6	131 S1+	105
890-7618-31	H-1	103	98
890-7618-32	H-2	123	110
890-7618-33	H-3	126	106
890-7618-34	H-4	117	104
890-7618-35	H-5	117	102
890-7618-36	H-6	122	99
890-7618-37	H-7	124	108
890-7618-38	H-8	134 S1+	104
LCS 880-101857/1-A	Lab Control Sample	113	105
LCS 880-101858/1-A	Lab Control Sample	111	103
LCSD 880-101857/2-A	Lab Control Sample Dup	99	102
LCSD 880-101858/2-A	Lab Control Sample Dup	110	100
MB 880-101857/5-A	Method Blank	91	90
MB 880-101858/5-A	Method Blank	217 S1+	125

Surrogate Legend

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Surrogate Summary

Client: NT Global

Job ID: 890-7618-1

Project/Site: Wellspring Goose Frac temp booster

SDG: 259635

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1	OTPH1
		(70-130)	(70-130)
890-7618-1	V-1	100	94
890-7618-1 MS	V-1	82	83
890-7618-1 MSD	V-1	78	78
890-7618-2	V-1	93	87
890-7618-3	V-1	86	81
890-7618-4	V-1	86	80
890-7618-5	V-1	97	90
890-7618-6	V-2	93	87
890-7618-7	V-2	97	88
890-7618-8	V-2	94	86
890-7618-9	V-2	95	87
890-7618-10	V-2	76	69 S1-
890-7618-11	V-3	79	73
890-7618-12	V-3	82	75
890-7618-13	V-3	82	75
890-7618-14	V-3	80	74
890-7618-15	V-3	76	69 S1-
890-7618-16	V-4	78	71
890-7618-17	V-4	73	68 S1-
890-7618-18	V-4	81	75
890-7618-19	V-4	80	74
890-7618-20	V-4	77	72
890-7618-21	V-4	154 S1+	121
890-7618-21 MS	V-4	139 S1+	127
890-7618-21 MSD	V-4	135 S1+	125
890-7618-22	V-4	150 S1+	121
890-7618-23	V-4	151 S1+	122
890-7618-24	V-5	163 S1+	136 S1+
890-7618-25	V-5	142 S1+	115
890-7618-26	V-5	142 S1+	112
890-7618-27	V-5	156 S1+	123
890-7618-28	V-5	156 S1+	122
890-7618-29	V-6	156 S1+	123
890-7618-30	V-6	129	104
890-7618-31	H-1	128	103
890-7618-32	H-2	130	106
890-7618-33	H-3	129	103
890-7618-34	H-4	128	113
890-7618-35	H-5	131 S1+	105
890-7618-36	H-6	137 S1+	109
890-7618-37	H-7	124	99
890-7618-38	H-8	166 S1+	132 S1+
LCS 880-101843/2-A	Lab Control Sample	85	73
LCS 880-101844/2-A	Lab Control Sample	113	116
LCSD 880-101843/3-A	Lab Control Sample Dup	72	73
LCSD 880-101844/3-A	Lab Control Sample Dup	97	90
MB 880-101843/1-A	Method Blank	106	99

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Surrogate Summary

Client: NT Global

Project/Site: Wellspring Goose Frac temp booster

Job ID: 890-7618-1

SDG: 259635

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)				
MB 880-101844/1-A	Method Blank	155 S1+	127				
Surrogate Legend							
1CO = 1-Chlorooctane							
OTPH = o-Terphenyl							

QC Sample Results

Client: NT Global

Job ID: 890-7618-1

Project/Site: Wellspring Goose Frac temp booster

SDG: 259635

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-101857/5-A

Matrix: Solid

Analysis Batch: 101840

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 101857

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/03/25 09:53	02/03/25 13:09	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/03/25 09:53	02/03/25 13:09	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/03/25 09:53	02/03/25 13:09	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/03/25 09:53	02/03/25 13:09	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/03/25 09:53	02/03/25 13:09	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/03/25 09:53	02/03/25 13:09	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130	02/03/25 09:53	02/03/25 13:09	1
1,4-Difluorobenzene (Surr)	90		70 - 130	02/03/25 09:53	02/03/25 13:09	1

Lab Sample ID: LCS 880-101857/1-A

Matrix: Solid

Analysis Batch: 101840

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 101857

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09512		mg/Kg		95	70 - 130
Toluene	0.100	0.1048		mg/Kg		105	70 - 130
Ethylbenzene	0.100	0.1172		mg/Kg		117	70 - 130
m-Xylene & p-Xylene	0.200	0.2237		mg/Kg		112	70 - 130
o-Xylene	0.100	0.1081		mg/Kg		108	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	113		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

Lab Sample ID: LCSD 880-101857/2-A

Matrix: Solid

Analysis Batch: 101840

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 101857

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1030		mg/Kg		103	70 - 130	8	35
Toluene	0.100	0.1053		mg/Kg		105	70 - 130	0	35
Ethylbenzene	0.100	0.1045		mg/Kg		104	70 - 130	11	35
m-Xylene & p-Xylene	0.200	0.2015		mg/Kg		101	70 - 130	10	35
o-Xylene	0.100	0.09746		mg/Kg		97	70 - 130	10	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: 890-7618-1 MS

Matrix: Solid

Analysis Batch: 101840

Client Sample ID: V-1

Prep Type: Total/NA

Prep Batch: 101857

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.100	0.07289		mg/Kg		73	70 - 130
Toluene	<0.00201	U	0.100	0.08571		mg/Kg		86	70 - 130

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QC Sample Results

Client: NT Global

Job ID: 890-7618-1

Project/Site: Wellspring Goose Frac temp booster

SDG: 259635

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 890-7618-1 MS

Matrix: Solid

Analysis Batch: 101840

Client Sample ID: V-1

Prep Type: Total/NA

Prep Batch: 101857

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00201	U	0.100	0.09522		mg/Kg		95	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1751		mg/Kg		88	70 - 130
o-Xylene	<0.00201	U	0.100	0.08531		mg/Kg		85	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

Lab Sample ID: 890-7618-1 MSD

Matrix: Solid

Analysis Batch: 101840

Client Sample ID: V-1

Prep Type: Total/NA

Prep Batch: 101857

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.100	0.09310		mg/Kg		93	70 - 130	24	35
Toluene	<0.00201	U	0.100	0.09981		mg/Kg		100	70 - 130	15	35
Ethylbenzene	<0.00201	U	0.100	0.1132		mg/Kg		113	70 - 130	17	35
m-Xylene & p-Xylene	<0.00402	U	0.200	0.2142		mg/Kg		107	70 - 130	20	35
o-Xylene	<0.00201	U	0.100	0.1039		mg/Kg		104	70 - 130	20	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	122		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: MB 880-101858/5-A

Matrix: Solid

Analysis Batch: 101839

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 101858

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/03/25 09:56	02/03/25 14:05	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/03/25 09:56	02/03/25 14:05	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/03/25 09:56	02/03/25 14:05	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/03/25 09:56	02/03/25 14:05	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/03/25 09:56	02/03/25 14:05	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/03/25 09:56	02/03/25 14:05	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	217	S1+	70 - 130	02/03/25 09:56	02/03/25 14:05	1
1,4-Difluorobenzene (Surr)	125		70 - 130	02/03/25 09:56	02/03/25 14:05	1

Lab Sample ID: LCS 880-101858/1-A

Matrix: Solid

Analysis Batch: 101839

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 101858

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1062		mg/Kg		106	70 - 130
Toluene	0.100	0.1086		mg/Kg		109	70 - 130
Ethylbenzene	0.100	0.1141		mg/Kg		114	70 - 130
m-Xylene & p-Xylene	0.200	0.2230		mg/Kg		111	70 - 130

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QC Sample Results

Client: NT Global

Job ID: 890-7618-1

Project/Site: Wellspring Goose Frac temp booster

SDG: 259635

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCS 880-101858/1-A

Matrix: Solid

Analysis Batch: 101839

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 101858

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	0.100	0.1046		mg/Kg		105	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: LCSD 880-101858/2-A

Matrix: Solid

Analysis Batch: 101839

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 101858

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1065		mg/Kg		107	70 - 130	0	35
Toluene	0.100	0.09865		mg/Kg		99	70 - 130	10	35
Ethylbenzene	0.100	0.1047		mg/Kg		105	70 - 130	9	35
m-Xylene & p-Xylene	0.200	0.2206		mg/Kg		110	70 - 130	1	35
o-Xylene	0.100	0.1056		mg/Kg		106	70 - 130	1	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: 890-7618-21 MS

Matrix: Solid

Analysis Batch: 101839

Client Sample ID: V-4

Prep Type: Total/NA

Prep Batch: 101858

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.100	0.08776		mg/Kg		88	70 - 130
Toluene	<0.00201	U	0.100	0.1017		mg/Kg		102	70 - 130
Ethylbenzene	<0.00201	U	0.100	0.08670		mg/Kg		87	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1786		mg/Kg		89	70 - 130
o-Xylene	<0.00201	U	0.100	0.09598		mg/Kg		96	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: 890-7618-21 MSD

Matrix: Solid

Analysis Batch: 101839

Client Sample ID: V-4

Prep Type: Total/NA

Prep Batch: 101858

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.100	0.09950		mg/Kg		100	70 - 130	13	35
Toluene	<0.00201	U	0.100	0.09986		mg/Kg		100	70 - 130	2	35
Ethylbenzene	<0.00201	U	0.100	0.1012		mg/Kg		101	70 - 130	15	35
m-Xylene & p-Xylene	<0.00402	U	0.200	0.2234		mg/Kg		112	70 - 130	22	35
o-Xylene	<0.00201	U	0.100	0.1086		mg/Kg		109	70 - 130	12	35

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QC Sample Results

Client: NT Global
Project/Site: Wellspring Goose Frac temp booster

Job ID: 890-7618-1
SDG: 259635

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 890-7618-21 MSD

Matrix: Solid

Analysis Batch: 101839

Client Sample ID: V-4

Prep Type: Total/NA

Prep Batch: 101858

Surrogate	MSD MSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	118		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-101843/1-A

Matrix: Solid

Analysis Batch: 102057

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 101843

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/03/25 08:59	02/05/25 08:47	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/03/25 08:59	02/05/25 08:47	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/03/25 08:59	02/05/25 08:47	1
Surrogate	MB MB		Limits				Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier							
1-Chlorooctane	106		70 - 130				02/03/25 08:59	02/05/25 08:47	1
o-Terphenyl	99		70 - 130				02/03/25 08:59	02/05/25 08:47	1

Lab Sample ID: LCS 880-101843/2-A

Matrix: Solid

Analysis Batch: 102057

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 101843

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	871.0		mg/Kg		87	70 - 130
Diesel Range Organics (Over C10-C28)	1000	833.3		mg/Kg		83	70 - 130
Surrogate	LCS LCS		Limits				
	%Recovery	Qualifier					
1-Chlorooctane	85		70 - 130				
o-Terphenyl	73		70 - 130				

Lab Sample ID: LCSD 880-101843/3-A

Matrix: Solid

Analysis Batch: 102057

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 101843

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	728.1		mg/Kg		73	70 - 130	18	20
Diesel Range Organics (Over C10-C28)	1000	730.2		mg/Kg		73	70 - 130	13	20
Surrogate	LCSD LCSD		Limits						
	%Recovery	Qualifier							
1-Chlorooctane	72		70 - 130						
o-Terphenyl	73		70 - 130						

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QC Sample Results

Client: NT Global

Job ID: 890-7618-1

Project/Site: Wellspring Goose Frac temp booster

SDG: 259635

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 890-7618-1 MS

Matrix: Solid

Analysis Batch: 102057

Client Sample ID: V-1

Prep Type: Total/NA

Prep Batch: 101843

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	997	800.9		mg/Kg		80	70 - 130
Diesel Range Organics (Over C10-C28)	<49.8	U	997	839.8		mg/Kg		84	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane	82		70 - 130						
o-Terphenyl	83		70 - 130						

Lab Sample ID: 890-7618-1 MSD

Matrix: Solid

Analysis Batch: 102057

Client Sample ID: V-1

Prep Type: Total/NA

Prep Batch: 101843

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	997	762.3		mg/Kg		76	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	<49.8	U	997	799.4		mg/Kg		80	70 - 130	5	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	78		70 - 130								
o-Terphenyl	78		70 - 130								

Lab Sample ID: MB 880-101844/1-A

Matrix: Solid

Analysis Batch: 102059

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 101844

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/03/25 09:03	02/05/25 08:47	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/03/25 09:03	02/05/25 08:47	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/03/25 09:03	02/05/25 08:47	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	155	S1+	70 - 130				02/03/25 09:03	02/05/25 08:47	1
o-Terphenyl	127		70 - 130				02/03/25 09:03	02/05/25 08:47	1

Lab Sample ID: LCS 880-101844/2-A

Matrix: Solid

Analysis Batch: 102059

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 101844

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1099		mg/Kg		110	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1168		mg/Kg		117	70 - 130

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QC Sample Results

Client: NT Global

Job ID: 890-7618-1

Project/Site: Wellspring Goose Frac temp booster

SDG: 259635

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-101844/2-A

Matrix: Solid

Analysis Batch: 102059

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 101844

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	113		70 - 130
o-Terphenyl	116		70 - 130

Lab Sample ID: LCSD 880-101844/3-A

Matrix: Solid

Analysis Batch: 102059

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 101844

			Spike	LCSD	LCSD				%Rec			
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10			1000	1116		mg/Kg		112	70 - 130	2	20	
Diesel Range Organics (Over C10-C28)			1000	1099		mg/Kg		110	70 - 130	6	20	
	LCSD	LCSD										
Surrogate	%Recovery	Qualifier	Limits									
1-Chlorooctane	97		70 - 130									
o-Terphenyl	90		70 - 130									

Lab Sample ID: 890-7618-21 MS

Matrix: Solid

Analysis Batch: 102059

Client Sample ID: V-4

Prep Type: Total/NA

Prep Batch: 101844

	Sample	Sample	Spike	MS	MS				%Rec			
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	997	1251		mg/Kg		125	70 - 130			
Diesel Range Organics (Over C10-C28)	<49.9	U F1	997	1311	F1	mg/Kg		131	70 - 130			
	MS	MS										
Surrogate	%Recovery	Qualifier	Limits									
1-Chlorooctane	139	S1+	70 - 130									
o-Terphenyl	127		70 - 130									

Lab Sample ID: 890-7618-21 MSD

Matrix: Solid

Analysis Batch: 102059

Client Sample ID: V-4

Prep Type: Total/NA

Prep Batch: 101844

	Sample	Sample	Spike	MSD	MSD				%Rec			
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	997	1251		mg/Kg		125	70 - 130	0	20	
Diesel Range Organics (Over C10-C28)	<49.9	U F1	997	1309	F1	mg/Kg		131	70 - 130	0	20	
	MSD	MSD										
Surrogate	%Recovery	Qualifier	Limits									
1-Chlorooctane	135	S1+	70 - 130									
o-Terphenyl	125		70 - 130									

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QC Sample Results

Client: NT Global

Job ID: 890-7618-1

Project/Site: Wellspring Goose Frac temp booster

SDG: 259635

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-101837/1-A

Matrix: Solid

Analysis Batch: 101868

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			02/04/25 02:04	1

Lab Sample ID: LCS 880-101837/2-A

Matrix: Solid

Analysis Batch: 101868

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	244.3		mg/Kg		98	90 - 110

Lab Sample ID: LCSD 880-101837/3-A

Matrix: Solid

Analysis Batch: 101868

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	244.7		mg/Kg		98	90 - 110	0	20

Lab Sample ID: 880-53880-A-2-B MS

Matrix: Solid

Analysis Batch: 101868

Client Sample ID: Matrix Spike

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	1040		249	1249	4	mg/Kg		82	90 - 110

Lab Sample ID: 880-53880-A-2-C MSD

Matrix: Solid

Analysis Batch: 101868

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1040		249	1248	4	mg/Kg		82	90 - 110	0	20

Lab Sample ID: 880-53907-A-1-C MS

Matrix: Solid

Analysis Batch: 101868

Client Sample ID: Matrix Spike

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	34400	F1	12500	48120		mg/Kg		110	90 - 110

Lab Sample ID: 880-53907-A-1-D MSD

Matrix: Solid

Analysis Batch: 101868

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	34400	F1	12500	48200	F1	mg/Kg		111	90 - 110	0	20

Lab Sample ID: MB 880-101838/1-A

Matrix: Solid

Analysis Batch: 101869

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			02/03/25 22:36	1

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QC Sample Results

Client: NT Global

Job ID: 890-7618-1

Project/Site: Wellspring Goose Frac temp booster

SDG: 259635

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCS 880-101838/2-A

Matrix: Solid

Analysis Batch: 101869

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	240.6		mg/Kg		96	90 - 110

Lab Sample ID: LCSD 880-101838/3-A

Matrix: Solid

Analysis Batch: 101869

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	241.1		mg/Kg		96	90 - 110	0	20

Lab Sample ID: 890-7618-10 MS

Matrix: Solid

Analysis Batch: 101869

Client Sample ID: V-2

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	78.2		252	333.7		mg/Kg		102	90 - 110

Lab Sample ID: 890-7618-10 MSD

Matrix: Solid

Analysis Batch: 101869

Client Sample ID: V-2

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	78.2		252	334.2		mg/Kg		102	90 - 110	0	20

Lab Sample ID: 890-7618-20 MS

Matrix: Solid

Analysis Batch: 101869

Client Sample ID: V-4

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	4560		1250	5804		mg/Kg		100	90 - 110

Lab Sample ID: 890-7618-20 MSD

Matrix: Solid

Analysis Batch: 101869

Client Sample ID: V-4

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	4560		1250	5806		mg/Kg		100	90 - 110	0	20

Lab Sample ID: MB 880-101937/1-A

Matrix: Solid

Analysis Batch: 101990

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			02/05/25 05:00	1

Lab Sample ID: LCS 880-101937/2-A

Matrix: Solid

Analysis Batch: 101990

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	266.6		mg/Kg		107	90 - 110

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QC Sample Results

Client: NT Global
Project/Site: Wellspring Goose Frac temp booster

Job ID: 890-7618-1
SDG: 259635

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCSD 880-101937/3-A				Client Sample ID: Lab Control Sample Dup							
Matrix: Solid				Prep Type: Soluble							
Analysis Batch: 101990											
Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	253.4		mg/Kg		101	90 - 110	5	20

Lab Sample ID: 890-7618-30 MS				Client Sample ID: V-6							
Matrix: Solid				Prep Type: Soluble							
Analysis Batch: 101990											
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	2630	F1	1260	4120	F1	mg/Kg		118	90 - 110		

Lab Sample ID: 890-7618-30 MSD				Client Sample ID: V-6							
Matrix: Solid				Prep Type: Soluble							
Analysis Batch: 101990											
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	2630	F1	1260	4139	F1	mg/Kg		120	90 - 110	0	20

QC Association Summary

Client: NT Global

Job ID: 890-7618-1

Project/Site: Wellspring Goose Frac temp booster

SDG: 259635

GC VOA

Analysis Batch: 101839

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7618-21	V-4	Total/NA	Solid	8021B	101858
890-7618-22	V-4	Total/NA	Solid	8021B	101858
890-7618-23	V-4	Total/NA	Solid	8021B	101858
890-7618-24	V-5	Total/NA	Solid	8021B	101858
890-7618-25	V-5	Total/NA	Solid	8021B	101858
890-7618-26	V-5	Total/NA	Solid	8021B	101858
890-7618-27	V-5	Total/NA	Solid	8021B	101858
890-7618-28	V-5	Total/NA	Solid	8021B	101858
890-7618-29	V-6	Total/NA	Solid	8021B	101858
890-7618-30	V-6	Total/NA	Solid	8021B	101858
890-7618-31	H-1	Total/NA	Solid	8021B	101858
890-7618-32	H-2	Total/NA	Solid	8021B	101858
890-7618-33	H-3	Total/NA	Solid	8021B	101858
890-7618-34	H-4	Total/NA	Solid	8021B	101858
890-7618-35	H-5	Total/NA	Solid	8021B	101858
890-7618-36	H-6	Total/NA	Solid	8021B	101858
890-7618-37	H-7	Total/NA	Solid	8021B	101858
890-7618-38	H-8	Total/NA	Solid	8021B	101858
MB 880-101858/5-A	Method Blank	Total/NA	Solid	8021B	101858
LCS 880-101858/1-A	Lab Control Sample	Total/NA	Solid	8021B	101858
LCSD 880-101858/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	101858
890-7618-21 MS	V-4	Total/NA	Solid	8021B	101858
890-7618-21 MSD	V-4	Total/NA	Solid	8021B	101858

Analysis Batch: 101840

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7618-1	V-1	Total/NA	Solid	8021B	101857
890-7618-2	V-1	Total/NA	Solid	8021B	101857
890-7618-3	V-1	Total/NA	Solid	8021B	101857
890-7618-4	V-1	Total/NA	Solid	8021B	101857
890-7618-5	V-1	Total/NA	Solid	8021B	101857
890-7618-6	V-2	Total/NA	Solid	8021B	101857
890-7618-7	V-2	Total/NA	Solid	8021B	101857
890-7618-8	V-2	Total/NA	Solid	8021B	101857
890-7618-9	V-2	Total/NA	Solid	8021B	101857
890-7618-10	V-2	Total/NA	Solid	8021B	101857
890-7618-11	V-3	Total/NA	Solid	8021B	101857
890-7618-12	V-3	Total/NA	Solid	8021B	101857
890-7618-13	V-3	Total/NA	Solid	8021B	101857
890-7618-14	V-3	Total/NA	Solid	8021B	101857
890-7618-15	V-3	Total/NA	Solid	8021B	101857
890-7618-16	V-4	Total/NA	Solid	8021B	101857
890-7618-17	V-4	Total/NA	Solid	8021B	101857
890-7618-18	V-4	Total/NA	Solid	8021B	101857
890-7618-19	V-4	Total/NA	Solid	8021B	101857
890-7618-20	V-4	Total/NA	Solid	8021B	101857
MB 880-101857/5-A	Method Blank	Total/NA	Solid	8021B	101857
LCS 880-101857/1-A	Lab Control Sample	Total/NA	Solid	8021B	101857
LCSD 880-101857/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	101857
890-7618-1 MS	V-1	Total/NA	Solid	8021B	101857
890-7618-1 MSD	V-1	Total/NA	Solid	8021B	101857

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QC Association Summary

Client: NT Global

Job ID: 890-7618-1

Project/Site: Wellspring Goose Frac temp booster

SDG: 259635

GC VOA

Prep Batch: 101857

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7618-1	V-1	Total/NA	Solid	5035	
890-7618-2	V-1	Total/NA	Solid	5035	
890-7618-3	V-1	Total/NA	Solid	5035	
890-7618-4	V-1	Total/NA	Solid	5035	
890-7618-5	V-1	Total/NA	Solid	5035	
890-7618-6	V-2	Total/NA	Solid	5035	
890-7618-7	V-2	Total/NA	Solid	5035	
890-7618-8	V-2	Total/NA	Solid	5035	
890-7618-9	V-2	Total/NA	Solid	5035	
890-7618-10	V-2	Total/NA	Solid	5035	
890-7618-11	V-3	Total/NA	Solid	5035	
890-7618-12	V-3	Total/NA	Solid	5035	
890-7618-13	V-3	Total/NA	Solid	5035	
890-7618-14	V-3	Total/NA	Solid	5035	
890-7618-15	V-3	Total/NA	Solid	5035	
890-7618-16	V-4	Total/NA	Solid	5035	
890-7618-17	V-4	Total/NA	Solid	5035	
890-7618-18	V-4	Total/NA	Solid	5035	
890-7618-19	V-4	Total/NA	Solid	5035	
890-7618-20	V-4	Total/NA	Solid	5035	
MB 880-101857/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-101857/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-101857/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-7618-1 MS	V-1	Total/NA	Solid	5035	
890-7618-1 MSD	V-1	Total/NA	Solid	5035	

Prep Batch: 101858

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7618-21	V-4	Total/NA	Solid	5035	
890-7618-22	V-4	Total/NA	Solid	5035	
890-7618-23	V-4	Total/NA	Solid	5035	
890-7618-24	V-5	Total/NA	Solid	5035	
890-7618-25	V-5	Total/NA	Solid	5035	
890-7618-26	V-5	Total/NA	Solid	5035	
890-7618-27	V-5	Total/NA	Solid	5035	
890-7618-28	V-5	Total/NA	Solid	5035	
890-7618-29	V-6	Total/NA	Solid	5035	
890-7618-30	V-6	Total/NA	Solid	5035	
890-7618-31	H-1	Total/NA	Solid	5035	
890-7618-32	H-2	Total/NA	Solid	5035	
890-7618-33	H-3	Total/NA	Solid	5035	
890-7618-34	H-4	Total/NA	Solid	5035	
890-7618-35	H-5	Total/NA	Solid	5035	
890-7618-36	H-6	Total/NA	Solid	5035	
890-7618-37	H-7	Total/NA	Solid	5035	
890-7618-38	H-8	Total/NA	Solid	5035	
MB 880-101858/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-101858/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-101858/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-7618-21 MS	V-4	Total/NA	Solid	5035	
890-7618-21 MSD	V-4	Total/NA	Solid	5035	

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QC Association Summary

Client: NT Global
Project/Site: Wellspring Goose Frac temp booster

Job ID: 890-7618-1
SDG: 259635

GC VOA

Analysis Batch: 102004

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7618-1	V-1	Total/NA	Solid	Total BTEX	
890-7618-2	V-1	Total/NA	Solid	Total BTEX	
890-7618-3	V-1	Total/NA	Solid	Total BTEX	
890-7618-4	V-1	Total/NA	Solid	Total BTEX	
890-7618-5	V-1	Total/NA	Solid	Total BTEX	
890-7618-6	V-2	Total/NA	Solid	Total BTEX	
890-7618-7	V-2	Total/NA	Solid	Total BTEX	
890-7618-8	V-2	Total/NA	Solid	Total BTEX	
890-7618-9	V-2	Total/NA	Solid	Total BTEX	
890-7618-10	V-2	Total/NA	Solid	Total BTEX	
890-7618-11	V-3	Total/NA	Solid	Total BTEX	
890-7618-12	V-3	Total/NA	Solid	Total BTEX	
890-7618-13	V-3	Total/NA	Solid	Total BTEX	
890-7618-14	V-3	Total/NA	Solid	Total BTEX	
890-7618-15	V-3	Total/NA	Solid	Total BTEX	
890-7618-16	V-4	Total/NA	Solid	Total BTEX	
890-7618-17	V-4	Total/NA	Solid	Total BTEX	
890-7618-18	V-4	Total/NA	Solid	Total BTEX	
890-7618-19	V-4	Total/NA	Solid	Total BTEX	
890-7618-20	V-4	Total/NA	Solid	Total BTEX	
890-7618-21	V-4	Total/NA	Solid	Total BTEX	
890-7618-22	V-4	Total/NA	Solid	Total BTEX	
890-7618-23	V-4	Total/NA	Solid	Total BTEX	
890-7618-24	V-5	Total/NA	Solid	Total BTEX	
890-7618-25	V-5	Total/NA	Solid	Total BTEX	
890-7618-26	V-5	Total/NA	Solid	Total BTEX	
890-7618-27	V-5	Total/NA	Solid	Total BTEX	
890-7618-28	V-5	Total/NA	Solid	Total BTEX	
890-7618-29	V-6	Total/NA	Solid	Total BTEX	
890-7618-30	V-6	Total/NA	Solid	Total BTEX	
890-7618-31	H-1	Total/NA	Solid	Total BTEX	
890-7618-32	H-2	Total/NA	Solid	Total BTEX	
890-7618-33	H-3	Total/NA	Solid	Total BTEX	
890-7618-34	H-4	Total/NA	Solid	Total BTEX	
890-7618-35	H-5	Total/NA	Solid	Total BTEX	
890-7618-36	H-6	Total/NA	Solid	Total BTEX	
890-7618-37	H-7	Total/NA	Solid	Total BTEX	
890-7618-38	H-8	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 101843

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7618-1	V-1	Total/NA	Solid	8015NM Prep	
890-7618-2	V-1	Total/NA	Solid	8015NM Prep	
890-7618-3	V-1	Total/NA	Solid	8015NM Prep	
890-7618-4	V-1	Total/NA	Solid	8015NM Prep	
890-7618-5	V-1	Total/NA	Solid	8015NM Prep	
890-7618-6	V-2	Total/NA	Solid	8015NM Prep	
890-7618-7	V-2	Total/NA	Solid	8015NM Prep	
890-7618-8	V-2	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: NT Global

Job ID: 890-7618-1

Project/Site: Wellspring Goose Frac temp booster

SDG: 259635

GC Semi VOA (Continued)

Prep Batch: 101843 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7618-9	V-2	Total/NA	Solid	8015NM Prep	
890-7618-10	V-2	Total/NA	Solid	8015NM Prep	
890-7618-11	V-3	Total/NA	Solid	8015NM Prep	
890-7618-12	V-3	Total/NA	Solid	8015NM Prep	
890-7618-13	V-3	Total/NA	Solid	8015NM Prep	
890-7618-14	V-3	Total/NA	Solid	8015NM Prep	
890-7618-15	V-3	Total/NA	Solid	8015NM Prep	
890-7618-16	V-4	Total/NA	Solid	8015NM Prep	
890-7618-17	V-4	Total/NA	Solid	8015NM Prep	
890-7618-18	V-4	Total/NA	Solid	8015NM Prep	
890-7618-19	V-4	Total/NA	Solid	8015NM Prep	
890-7618-20	V-4	Total/NA	Solid	8015NM Prep	
MB 880-101843/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-101843/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-101843/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-7618-1 MS	V-1	Total/NA	Solid	8015NM Prep	
890-7618-1 MSD	V-1	Total/NA	Solid	8015NM Prep	

Prep Batch: 101844

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7618-21	V-4	Total/NA	Solid	8015NM Prep	
890-7618-22	V-4	Total/NA	Solid	8015NM Prep	
890-7618-23	V-4	Total/NA	Solid	8015NM Prep	
890-7618-24	V-5	Total/NA	Solid	8015NM Prep	
890-7618-25	V-5	Total/NA	Solid	8015NM Prep	
890-7618-26	V-5	Total/NA	Solid	8015NM Prep	
890-7618-27	V-5	Total/NA	Solid	8015NM Prep	
890-7618-28	V-5	Total/NA	Solid	8015NM Prep	
890-7618-29	V-6	Total/NA	Solid	8015NM Prep	
890-7618-30	V-6	Total/NA	Solid	8015NM Prep	
890-7618-31	H-1	Total/NA	Solid	8015NM Prep	
890-7618-32	H-2	Total/NA	Solid	8015NM Prep	
890-7618-33	H-3	Total/NA	Solid	8015NM Prep	
890-7618-34	H-4	Total/NA	Solid	8015NM Prep	
890-7618-35	H-5	Total/NA	Solid	8015NM Prep	
890-7618-36	H-6	Total/NA	Solid	8015NM Prep	
890-7618-37	H-7	Total/NA	Solid	8015NM Prep	
890-7618-38	H-8	Total/NA	Solid	8015NM Prep	
MB 880-101844/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-101844/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-101844/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-7618-21 MS	V-4	Total/NA	Solid	8015NM Prep	
890-7618-21 MSD	V-4	Total/NA	Solid	8015NM Prep	

Analysis Batch: 102057

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7618-1	V-1	Total/NA	Solid	8015B NM	101843
890-7618-2	V-1	Total/NA	Solid	8015B NM	101843
890-7618-3	V-1	Total/NA	Solid	8015B NM	101843
890-7618-4	V-1	Total/NA	Solid	8015B NM	101843
890-7618-5	V-1	Total/NA	Solid	8015B NM	101843

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QC Association Summary

Client: NT Global

Job ID: 890-7618-1

Project/Site: Wellspring Goose Frac temp booster

SDG: 259635

GC Semi VOA (Continued)

Analysis Batch: 102057 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7618-6	V-2	Total/NA	Solid	8015B NM	101843
890-7618-7	V-2	Total/NA	Solid	8015B NM	101843
890-7618-8	V-2	Total/NA	Solid	8015B NM	101843
890-7618-9	V-2	Total/NA	Solid	8015B NM	101843
890-7618-10	V-2	Total/NA	Solid	8015B NM	101843
890-7618-11	V-3	Total/NA	Solid	8015B NM	101843
890-7618-12	V-3	Total/NA	Solid	8015B NM	101843
890-7618-13	V-3	Total/NA	Solid	8015B NM	101843
890-7618-14	V-3	Total/NA	Solid	8015B NM	101843
890-7618-15	V-3	Total/NA	Solid	8015B NM	101843
890-7618-16	V-4	Total/NA	Solid	8015B NM	101843
890-7618-17	V-4	Total/NA	Solid	8015B NM	101843
890-7618-18	V-4	Total/NA	Solid	8015B NM	101843
890-7618-19	V-4	Total/NA	Solid	8015B NM	101843
890-7618-20	V-4	Total/NA	Solid	8015B NM	101843
MB 880-101843/1-A	Method Blank	Total/NA	Solid	8015B NM	101843
LCS 880-101843/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	101843
LCSD 880-101843/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	101843
890-7618-1 MS	V-1	Total/NA	Solid	8015B NM	101843
890-7618-1 MSD	V-1	Total/NA	Solid	8015B NM	101843

Analysis Batch: 102059

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7618-21	V-4	Total/NA	Solid	8015B NM	101844
890-7618-22	V-4	Total/NA	Solid	8015B NM	101844
890-7618-23	V-4	Total/NA	Solid	8015B NM	101844
890-7618-24	V-5	Total/NA	Solid	8015B NM	101844
890-7618-25	V-5	Total/NA	Solid	8015B NM	101844
890-7618-26	V-5	Total/NA	Solid	8015B NM	101844
890-7618-27	V-5	Total/NA	Solid	8015B NM	101844
890-7618-28	V-5	Total/NA	Solid	8015B NM	101844
890-7618-29	V-6	Total/NA	Solid	8015B NM	101844
890-7618-30	V-6	Total/NA	Solid	8015B NM	101844
890-7618-31	H-1	Total/NA	Solid	8015B NM	101844
890-7618-32	H-2	Total/NA	Solid	8015B NM	101844
890-7618-33	H-3	Total/NA	Solid	8015B NM	101844
890-7618-34	H-4	Total/NA	Solid	8015B NM	101844
890-7618-35	H-5	Total/NA	Solid	8015B NM	101844
890-7618-36	H-6	Total/NA	Solid	8015B NM	101844
890-7618-37	H-7	Total/NA	Solid	8015B NM	101844
890-7618-38	H-8	Total/NA	Solid	8015B NM	101844
MB 880-101844/1-A	Method Blank	Total/NA	Solid	8015B NM	101844
LCS 880-101844/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	101844
LCSD 880-101844/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	101844
890-7618-21 MS	V-4	Total/NA	Solid	8015B NM	101844
890-7618-21 MSD	V-4	Total/NA	Solid	8015B NM	101844

Analysis Batch: 102142

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7618-1	V-1	Total/NA	Solid	8015 NM	
890-7618-2	V-1	Total/NA	Solid	8015 NM	

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QC Association Summary

Client: NT Global
Project/Site: Wellspring Goose Frac temp booster

Job ID: 890-7618-1
SDG: 259635

GC Semi VOA (Continued)

Analysis Batch: 102142 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7618-3	V-1	Total/NA	Solid	8015 NM	
890-7618-4	V-1	Total/NA	Solid	8015 NM	
890-7618-5	V-1	Total/NA	Solid	8015 NM	
890-7618-6	V-2	Total/NA	Solid	8015 NM	
890-7618-7	V-2	Total/NA	Solid	8015 NM	
890-7618-8	V-2	Total/NA	Solid	8015 NM	
890-7618-9	V-2	Total/NA	Solid	8015 NM	
890-7618-10	V-2	Total/NA	Solid	8015 NM	
890-7618-11	V-3	Total/NA	Solid	8015 NM	
890-7618-12	V-3	Total/NA	Solid	8015 NM	
890-7618-13	V-3	Total/NA	Solid	8015 NM	
890-7618-14	V-3	Total/NA	Solid	8015 NM	
890-7618-15	V-3	Total/NA	Solid	8015 NM	
890-7618-16	V-4	Total/NA	Solid	8015 NM	
890-7618-17	V-4	Total/NA	Solid	8015 NM	
890-7618-18	V-4	Total/NA	Solid	8015 NM	
890-7618-19	V-4	Total/NA	Solid	8015 NM	
890-7618-20	V-4	Total/NA	Solid	8015 NM	
890-7618-21	V-4	Total/NA	Solid	8015 NM	
890-7618-22	V-4	Total/NA	Solid	8015 NM	
890-7618-23	V-4	Total/NA	Solid	8015 NM	
890-7618-24	V-5	Total/NA	Solid	8015 NM	
890-7618-25	V-5	Total/NA	Solid	8015 NM	
890-7618-26	V-5	Total/NA	Solid	8015 NM	
890-7618-27	V-5	Total/NA	Solid	8015 NM	
890-7618-28	V-5	Total/NA	Solid	8015 NM	
890-7618-29	V-6	Total/NA	Solid	8015 NM	
890-7618-30	V-6	Total/NA	Solid	8015 NM	
890-7618-31	H-1	Total/NA	Solid	8015 NM	
890-7618-32	H-2	Total/NA	Solid	8015 NM	
890-7618-33	H-3	Total/NA	Solid	8015 NM	
890-7618-34	H-4	Total/NA	Solid	8015 NM	
890-7618-35	H-5	Total/NA	Solid	8015 NM	
890-7618-36	H-6	Total/NA	Solid	8015 NM	
890-7618-37	H-7	Total/NA	Solid	8015 NM	
890-7618-38	H-8	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 101837

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7618-1	V-1	Soluble	Solid	DI Leach	
890-7618-2	V-1	Soluble	Solid	DI Leach	
890-7618-3	V-1	Soluble	Solid	DI Leach	
890-7618-4	V-1	Soluble	Solid	DI Leach	
890-7618-5	V-1	Soluble	Solid	DI Leach	
890-7618-6	V-2	Soluble	Solid	DI Leach	
890-7618-7	V-2	Soluble	Solid	DI Leach	
890-7618-8	V-2	Soluble	Solid	DI Leach	
890-7618-9	V-2	Soluble	Solid	DI Leach	
MB 880-101837/1-A	Method Blank	Soluble	Solid	DI Leach	

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QC Association Summary

Client: NT Global

Job ID: 890-7618-1

Project/Site: Wellspring Goose Frac temp booster

SDG: 259635

HPLC/IC (Continued)

Leach Batch: 101837 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-101837/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-101837/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-53880-A-2-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-53880-A-2-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	
880-53907-A-1-C MS	Matrix Spike	Soluble	Solid	DI Leach	
880-53907-A-1-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 101838

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7618-10	V-2	Soluble	Solid	DI Leach	
890-7618-11	V-3	Soluble	Solid	DI Leach	
890-7618-12	V-3	Soluble	Solid	DI Leach	
890-7618-13	V-3	Soluble	Solid	DI Leach	
890-7618-14	V-3	Soluble	Solid	DI Leach	
890-7618-15	V-3	Soluble	Solid	DI Leach	
890-7618-16	V-4	Soluble	Solid	DI Leach	
890-7618-17	V-4	Soluble	Solid	DI Leach	
890-7618-18	V-4	Soluble	Solid	DI Leach	
890-7618-19	V-4	Soluble	Solid	DI Leach	
890-7618-20	V-4	Soluble	Solid	DI Leach	
890-7618-21	V-4	Soluble	Solid	DI Leach	
890-7618-22	V-4	Soluble	Solid	DI Leach	
890-7618-23	V-4	Soluble	Solid	DI Leach	
890-7618-24	V-5	Soluble	Solid	DI Leach	
890-7618-25	V-5	Soluble	Solid	DI Leach	
890-7618-26	V-5	Soluble	Solid	DI Leach	
890-7618-27	V-5	Soluble	Solid	DI Leach	
890-7618-28	V-5	Soluble	Solid	DI Leach	
890-7618-29	V-6	Soluble	Solid	DI Leach	
MB 880-101838/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-101838/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-101838/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-7618-10 MS	V-2	Soluble	Solid	DI Leach	
890-7618-10 MSD	V-2	Soluble	Solid	DI Leach	
890-7618-20 MS	V-4	Soluble	Solid	DI Leach	
890-7618-20 MSD	V-4	Soluble	Solid	DI Leach	

Analysis Batch: 101868

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7618-1	V-1	Soluble	Solid	300.0	101837
890-7618-2	V-1	Soluble	Solid	300.0	101837
890-7618-3	V-1	Soluble	Solid	300.0	101837
890-7618-4	V-1	Soluble	Solid	300.0	101837
890-7618-5	V-1	Soluble	Solid	300.0	101837
890-7618-6	V-2	Soluble	Solid	300.0	101837
890-7618-7	V-2	Soluble	Solid	300.0	101837
890-7618-8	V-2	Soluble	Solid	300.0	101837
890-7618-9	V-2	Soluble	Solid	300.0	101837
MB 880-101837/1-A	Method Blank	Soluble	Solid	300.0	101837
LCS 880-101837/2-A	Lab Control Sample	Soluble	Solid	300.0	101837
LCSD 880-101837/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	101837

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QC Association Summary

Client: NT Global

Job ID: 890-7618-1

Project/Site: Wellspring Goose Frac temp booster

SDG: 259635

HPLC/IC (Continued)

Analysis Batch: 101868 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53880-A-2-B MS	Matrix Spike	Soluble	Solid	300.0	101837
880-53880-A-2-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	101837
880-53907-A-1-C MS	Matrix Spike	Soluble	Solid	300.0	101837
880-53907-A-1-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	101837

Analysis Batch: 101869

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7618-10	V-2	Soluble	Solid	300.0	101838
890-7618-11	V-3	Soluble	Solid	300.0	101838
890-7618-12	V-3	Soluble	Solid	300.0	101838
890-7618-13	V-3	Soluble	Solid	300.0	101838
890-7618-14	V-3	Soluble	Solid	300.0	101838
890-7618-15	V-3	Soluble	Solid	300.0	101838
890-7618-16	V-4	Soluble	Solid	300.0	101838
890-7618-17	V-4	Soluble	Solid	300.0	101838
890-7618-18	V-4	Soluble	Solid	300.0	101838
890-7618-19	V-4	Soluble	Solid	300.0	101838
890-7618-20	V-4	Soluble	Solid	300.0	101838
890-7618-21	V-4	Soluble	Solid	300.0	101838
890-7618-22	V-4	Soluble	Solid	300.0	101838
890-7618-23	V-4	Soluble	Solid	300.0	101838
890-7618-24	V-5	Soluble	Solid	300.0	101838
890-7618-25	V-5	Soluble	Solid	300.0	101838
890-7618-26	V-5	Soluble	Solid	300.0	101838
890-7618-27	V-5	Soluble	Solid	300.0	101838
890-7618-28	V-5	Soluble	Solid	300.0	101838
890-7618-29	V-6	Soluble	Solid	300.0	101838
MB 880-101838/1-A	Method Blank	Soluble	Solid	300.0	101838
LCS 880-101838/2-A	Lab Control Sample	Soluble	Solid	300.0	101838
LCSD 880-101838/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	101838
890-7618-10 MS	V-2	Soluble	Solid	300.0	101838
890-7618-10 MSD	V-2	Soluble	Solid	300.0	101838
890-7618-20 MS	V-4	Soluble	Solid	300.0	101838
890-7618-20 MSD	V-4	Soluble	Solid	300.0	101838

Leach Batch: 101937

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7618-30	V-6	Soluble	Solid	DI Leach	
890-7618-31	H-1	Soluble	Solid	DI Leach	
890-7618-32	H-2	Soluble	Solid	DI Leach	
890-7618-33	H-3	Soluble	Solid	DI Leach	
890-7618-34	H-4	Soluble	Solid	DI Leach	
890-7618-35	H-5	Soluble	Solid	DI Leach	
890-7618-36	H-6	Soluble	Solid	DI Leach	
890-7618-37	H-7	Soluble	Solid	DI Leach	
890-7618-38	H-8	Soluble	Solid	DI Leach	
MB 880-101937/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-101937/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-101937/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-7618-30 MS	V-6	Soluble	Solid	DI Leach	
890-7618-30 MSD	V-6	Soluble	Solid	DI Leach	

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QC Association Summary

Client: NT Global
Project/Site: Wellspring Goose Frac temp booster

Job ID: 890-7618-1
SDG: 259635

HPLC/IC

Analysis Batch: 101990

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7618-30	V-6	Soluble	Solid	300.0	101937
890-7618-31	H-1	Soluble	Solid	300.0	101937
890-7618-32	H-2	Soluble	Solid	300.0	101937
890-7618-33	H-3	Soluble	Solid	300.0	101937
890-7618-34	H-4	Soluble	Solid	300.0	101937
890-7618-35	H-5	Soluble	Solid	300.0	101937
890-7618-36	H-6	Soluble	Solid	300.0	101937
890-7618-37	H-7	Soluble	Solid	300.0	101937
890-7618-38	H-8	Soluble	Solid	300.0	101937
MB 880-101937/1-A	Method Blank	Soluble	Solid	300.0	101937
LCS 880-101937/2-A	Lab Control Sample	Soluble	Solid	300.0	101937
LCSD 880-101937/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	101937
890-7618-30 MS	V-6	Soluble	Solid	300.0	101937
890-7618-30 MSD	V-6	Soluble	Solid	300.0	101937

Lab Chronicle

Client: NT Global
Project/Site: Wellspring Goose Frac temp booster

Job ID: 890-7618-1
SDG: 259635

Client Sample ID: V-1

Date Collected: 01/31/25 00:00

Date Received: 01/31/25 13:29

Lab Sample ID: 890-7618-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	101857	02/03/25 09:53	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101840	02/03/25 13:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			102004	02/03/25 13:30	AJ	EET MID
Total/NA	Analysis	8015 NM		1			102142	02/05/25 10:54	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	101843	02/03/25 09:00	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	102057	02/05/25 10:54	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	101837	02/03/25 08:15	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	101868	02/04/25 04:02	CH	EET MID

Client Sample ID: V-1

Date Collected: 01/31/25 00:00

Date Received: 01/31/25 13:29

Lab Sample ID: 890-7618-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	101857	02/03/25 09:53	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101840	02/03/25 13:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			102004	02/03/25 13:51	AJ	EET MID
Total/NA	Analysis	8015 NM		1			102142	02/05/25 11:42	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	101843	02/03/25 09:00	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	102057	02/05/25 11:42	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	101837	02/03/25 08:15	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	101868	02/04/25 04:08	CH	EET MID

Client Sample ID: V-1

Date Collected: 01/31/25 00:00

Date Received: 01/31/25 13:29

Lab Sample ID: 890-7618-3

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	101857	02/03/25 09:53	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101840	02/03/25 14:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			102004	02/03/25 14:11	AJ	EET MID
Total/NA	Analysis	8015 NM		1			102142	02/05/25 11:58	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	101843	02/03/25 09:00	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	102057	02/05/25 11:58	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	101837	02/03/25 08:15	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	101868	02/04/25 04:26	CH	EET MID

Client Sample ID: V-1

Date Collected: 01/31/25 00:00

Date Received: 01/31/25 13:29

Lab Sample ID: 890-7618-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	101857	02/03/25 09:53	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101840	02/03/25 14:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			102004	02/03/25 14:32	AJ	EET MID

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Lab Chronicle

Client: NT Global
Project/Site: Wellspring Goose Frac temp booster

Job ID: 890-7618-1
SDG: 259635

Client Sample ID: V-1

Date Collected: 01/31/25 00:00

Date Received: 01/31/25 13:29

Lab Sample ID: 890-7618-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			102142	02/05/25 12:14	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	101843	02/03/25 09:00	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	102057	02/05/25 12:14	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	101837	02/03/25 08:15	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	101868	02/04/25 04:32	CH	EET MID

Client Sample ID: V-1

Date Collected: 01/31/25 00:00

Date Received: 01/31/25 13:29

Lab Sample ID: 890-7618-5

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	101857	02/03/25 09:53	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101840	02/03/25 14:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			102004	02/03/25 14:52	AJ	EET MID
Total/NA	Analysis	8015 NM		1			102142	02/05/25 12:31	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	101843	02/03/25 09:00	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	102057	02/05/25 12:31	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	101837	02/03/25 08:15	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	101868	02/04/25 04:38	CH	EET MID

Client Sample ID: V-2

Date Collected: 01/31/25 00:00

Date Received: 01/31/25 13:29

Lab Sample ID: 890-7618-6

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	101857	02/03/25 09:53	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101840	02/03/25 15:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			102004	02/03/25 15:13	AJ	EET MID
Total/NA	Analysis	8015 NM		1			102142	02/05/25 12:48	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	101843	02/03/25 09:00	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	102057	02/05/25 12:48	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	101837	02/03/25 08:15	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	101868	02/04/25 04:44	CH	EET MID

Client Sample ID: V-2

Date Collected: 01/31/25 00:00

Date Received: 01/31/25 13:29

Lab Sample ID: 890-7618-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	101857	02/03/25 09:53	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101840	02/03/25 15:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			102004	02/03/25 15:33	AJ	EET MID
Total/NA	Analysis	8015 NM		1			102142	02/05/25 13:04	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	101843	02/03/25 09:00	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	102057	02/05/25 13:04	TKC	EET MID

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Lab Chronicle

Client: NT Global

Job ID: 890-7618-1

Project/Site: Wellspring Goose Frac temp booster

SDG: 259635

Client Sample ID: V-2

Lab Sample ID: 890-7618-7

Date Collected: 01/31/25 00:00

Matrix: Solid

Date Received: 01/31/25 13:29

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	101837	02/03/25 08:15	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	101868	02/04/25 04:50	CH	EET MID

Client Sample ID: V-2

Lab Sample ID: 890-7618-8

Date Collected: 01/31/25 00:00

Matrix: Solid

Date Received: 01/31/25 13:29

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	101857	02/03/25 09:53	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101840	02/03/25 15:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			102004	02/03/25 15:54	AJ	EET MID
Total/NA	Analysis	8015 NM		1			102142	02/05/25 13:20	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	101843	02/03/25 09:00	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	102057	02/05/25 13:20	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	101837	02/03/25 08:15	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	101868	02/04/25 04:56	CH	EET MID

Client Sample ID: V-2

Lab Sample ID: 890-7618-9

Date Collected: 01/31/25 00:00

Matrix: Solid

Date Received: 01/31/25 13:29

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	101857	02/03/25 09:53	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101840	02/03/25 16:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			102004	02/03/25 16:14	AJ	EET MID
Total/NA	Analysis	8015 NM		1			102142	02/05/25 13:37	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	101843	02/03/25 09:00	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	102057	02/05/25 13:37	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	101837	02/03/25 08:15	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	101868	02/04/25 05:01	CH	EET MID

Client Sample ID: V-2

Lab Sample ID: 890-7618-10

Date Collected: 01/31/25 00:00

Matrix: Solid

Date Received: 01/31/25 13:29

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	101857	02/03/25 09:53	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101840	02/03/25 16:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			102004	02/03/25 16:35	AJ	EET MID
Total/NA	Analysis	8015 NM		1			102142	02/05/25 13:53	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	101843	02/03/25 09:00	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	102057	02/05/25 13:53	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	101838	02/03/25 08:18	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	101869	02/03/25 22:53	CH	EET MID

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Lab Chronicle

Client: NT Global
Project/Site: Wellspring Goose Frac temp booster

Job ID: 890-7618-1
SDG: 259635

Client Sample ID: V-3
Date Collected: 01/31/25 00:00
Date Received: 01/31/25 13:29

Lab Sample ID: 890-7618-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	101857	02/03/25 09:53	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101840	02/03/25 17:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			102004	02/03/25 17:58	AJ	EET MID
Total/NA	Analysis	8015 NM		1			102142	02/05/25 14:09	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	101843	02/03/25 09:00	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	102057	02/05/25 14:09	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	101838	02/03/25 08:18	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	101869	02/03/25 23:11	CH	EET MID

Client Sample ID: V-3
Date Collected: 01/31/25 00:00
Date Received: 01/31/25 13:29

Lab Sample ID: 890-7618-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	101857	02/03/25 09:53	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101840	02/03/25 18:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			102004	02/03/25 18:19	AJ	EET MID
Total/NA	Analysis	8015 NM		1			102142	02/05/25 14:25	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	101843	02/03/25 09:00	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	102057	02/05/25 14:25	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	101838	02/03/25 08:18	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	101869	02/03/25 23:17	CH	EET MID

Client Sample ID: V-3
Date Collected: 01/31/25 00:00
Date Received: 01/31/25 13:29

Lab Sample ID: 890-7618-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	101857	02/03/25 09:53	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101840	02/03/25 18:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			102004	02/03/25 18:39	AJ	EET MID
Total/NA	Analysis	8015 NM		1			102142	02/05/25 14:42	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	101843	02/03/25 09:00	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	102057	02/05/25 14:42	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	101838	02/03/25 08:18	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	101869	02/03/25 23:23	CH	EET MID

Client Sample ID: V-3
Date Collected: 01/31/25 00:00
Date Received: 01/31/25 13:29

Lab Sample ID: 890-7618-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	101857	02/03/25 09:53	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101840	02/03/25 19:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			102004	02/03/25 19:00	AJ	EET MID

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Lab Chronicle

Client: NT Global
Project/Site: Wellspring Goose Frac temp booster

Job ID: 890-7618-1
SDG: 259635

Client Sample ID: V-3
Date Collected: 01/31/25 00:00
Date Received: 01/31/25 13:29

Lab Sample ID: 890-7618-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			102142	02/05/25 14:58	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	101843	02/03/25 09:00	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	102057	02/05/25 14:58	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	101838	02/03/25 08:18	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	101869	02/03/25 23:29	CH	EET MID

Client Sample ID: V-3
Date Collected: 01/31/25 00:00
Date Received: 01/31/25 13:29

Lab Sample ID: 890-7618-15
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	101857	02/03/25 09:53	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101840	02/03/25 19:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			102004	02/03/25 19:20	AJ	EET MID
Total/NA	Analysis	8015 NM		1			102142	02/05/25 15:14	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	101843	02/03/25 09:00	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	102057	02/05/25 15:14	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	101838	02/03/25 08:18	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	101869	02/03/25 23:47	CH	EET MID

Client Sample ID: V-4
Date Collected: 01/31/25 00:00
Date Received: 01/31/25 13:29

Lab Sample ID: 890-7618-16
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	101857	02/03/25 09:53	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101840	02/03/25 19:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			102004	02/03/25 19:41	AJ	EET MID
Total/NA	Analysis	8015 NM		1			102142	02/05/25 15:31	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	101843	02/03/25 09:00	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	102057	02/05/25 15:31	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	101838	02/03/25 08:18	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	101869	02/03/25 23:53	CH	EET MID

Client Sample ID: V-4
Date Collected: 01/31/25 00:00
Date Received: 01/31/25 13:29

Lab Sample ID: 890-7618-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	101857	02/03/25 09:53	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101840	02/03/25 20:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			102004	02/03/25 20:01	AJ	EET MID
Total/NA	Analysis	8015 NM		1			102142	02/05/25 15:47	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	101843	02/03/25 09:00	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	102057	02/05/25 15:47	TKC	EET MID

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Lab Chronicle

Client: NT Global
Project/Site: Wellspring Goose Frac temp booster

Job ID: 890-7618-1
SDG: 259635

Client Sample ID: V-4
Date Collected: 01/31/25 00:00
Date Received: 01/31/25 13:29

Lab Sample ID: 890-7618-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	101838	02/03/25 08:18	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	101869	02/03/25 23:59	CH	EET MID

Client Sample ID: V-4
Date Collected: 01/31/25 00:00
Date Received: 01/31/25 13:29

Lab Sample ID: 890-7618-18
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	101857	02/03/25 09:53	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101840	02/03/25 20:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			102004	02/03/25 20:22	AJ	EET MID
Total/NA	Analysis	8015 NM		1			102142	02/05/25 16:03	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	101843	02/03/25 09:00	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	102057	02/05/25 16:03	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	101838	02/03/25 08:18	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	101869	02/04/25 00:05	CH	EET MID

Client Sample ID: V-4
Date Collected: 01/31/25 00:00
Date Received: 01/31/25 13:29

Lab Sample ID: 890-7618-19
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	101857	02/03/25 09:53	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101840	02/03/25 20:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			102004	02/03/25 20:42	AJ	EET MID
Total/NA	Analysis	8015 NM		1			102142	02/05/25 16:19	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	101843	02/03/25 09:00	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	102057	02/05/25 16:19	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	101838	02/03/25 08:18	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	101869	02/04/25 00:11	CH	EET MID

Client Sample ID: V-4
Date Collected: 01/31/25 00:00
Date Received: 01/31/25 13:29

Lab Sample ID: 890-7618-20
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	101857	02/03/25 09:53	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101840	02/03/25 21:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			102004	02/03/25 21:03	AJ	EET MID
Total/NA	Analysis	8015 NM		1			102142	02/05/25 16:35	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	101843	02/03/25 09:00	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	102057	02/05/25 16:35	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	101838	02/03/25 08:18	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	101869	02/04/25 00:17	CH	EET MID

Lab Chronicle

Client: NT Global
Project/Site: Wellspring Goose Frac temp booster

Job ID: 890-7618-1
SDG: 259635

Client Sample ID: V-4

Date Collected: 01/31/25 00:00

Date Received: 01/31/25 13:29

Lab Sample ID: 890-7618-21

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	101858	02/03/25 09:56	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101839	02/03/25 14:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			102004	02/03/25 14:34	AJ	EET MID
Total/NA	Analysis	8015 NM		1			102142	02/05/25 10:54	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	101844	02/03/25 09:03	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	102059	02/05/25 10:54	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	101838	02/03/25 08:18	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	101869	02/04/25 00:35	CH	EET MID

Client Sample ID: V-4

Date Collected: 01/31/25 00:00

Date Received: 01/31/25 13:29

Lab Sample ID: 890-7618-22

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	101858	02/03/25 09:56	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101839	02/03/25 14:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			102004	02/03/25 14:54	AJ	EET MID
Total/NA	Analysis	8015 NM		1			102142	02/05/25 11:42	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	101844	02/03/25 09:03	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	102059	02/05/25 11:42	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	101838	02/03/25 08:18	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	101869	02/04/25 00:41	CH	EET MID

Client Sample ID: V-4

Date Collected: 01/31/25 00:00

Date Received: 01/31/25 13:29

Lab Sample ID: 890-7618-23

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	101858	02/03/25 09:56	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101839	02/03/25 15:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			102004	02/03/25 15:15	AJ	EET MID
Total/NA	Analysis	8015 NM		1			102142	02/05/25 11:58	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	101844	02/03/25 09:03	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	102059	02/05/25 11:58	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	101838	02/03/25 08:18	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	101869	02/04/25 00:58	CH	EET MID

Client Sample ID: V-5

Date Collected: 01/31/25 00:00

Date Received: 01/31/25 13:29

Lab Sample ID: 890-7618-24

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	101858	02/03/25 09:56	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101839	02/03/25 15:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			102004	02/03/25 15:35	AJ	EET MID

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Lab Chronicle

Client: NT Global

Job ID: 890-7618-1

Project/Site: Wellspring Goose Frac temp booster

SDG: 259635

Client Sample ID: V-5

Lab Sample ID: 890-7618-24

Date Collected: 01/31/25 00:00

Matrix: Solid

Date Received: 01/31/25 13:29

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			102142	02/05/25 12:14	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	101844	02/03/25 09:03	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	102059	02/05/25 12:14	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	101838	02/03/25 08:18	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	101869	02/04/25 01:04	CH	EET MID

Client Sample ID: V-5

Lab Sample ID: 890-7618-25

Date Collected: 01/31/25 00:00

Matrix: Solid

Date Received: 01/31/25 13:29

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	101858	02/03/25 09:56	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101839	02/03/25 15:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			102004	02/03/25 15:55	AJ	EET MID
Total/NA	Analysis	8015 NM		1			102142	02/05/25 12:31	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	101844	02/03/25 09:03	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	102059	02/05/25 12:31	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	101838	02/03/25 08:18	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	101869	02/04/25 01:10	CH	EET MID

Client Sample ID: V-5

Lab Sample ID: 890-7618-26

Date Collected: 01/31/25 00:00

Matrix: Solid

Date Received: 01/31/25 13:29

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	101858	02/03/25 09:56	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101839	02/03/25 16:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			102004	02/03/25 16:16	AJ	EET MID
Total/NA	Analysis	8015 NM		1			102142	02/05/25 12:48	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	101844	02/03/25 09:03	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	102059	02/05/25 12:48	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	101838	02/03/25 08:18	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	101869	02/04/25 01:16	CH	EET MID

Client Sample ID: V-5

Lab Sample ID: 890-7618-27

Date Collected: 01/31/25 00:00

Matrix: Solid

Date Received: 01/31/25 13:29

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	101858	02/03/25 09:56	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101839	02/03/25 16:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			102004	02/03/25 16:36	AJ	EET MID
Total/NA	Analysis	8015 NM		1			102142	02/05/25 13:04	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	101844	02/03/25 09:03	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	102059	02/05/25 13:04	TKC	EET MID

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Lab Chronicle

Client: NT Global
Project/Site: Wellspring Goose Frac temp booster

Job ID: 890-7618-1
SDG: 259635

Client Sample ID: V-5
Date Collected: 01/31/25 00:00
Date Received: 01/31/25 13:29

Lab Sample ID: 890-7618-27
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	101838	02/03/25 08:18	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	101869	02/04/25 01:22	CH	EET MID

Client Sample ID: V-5
Date Collected: 01/31/25 00:00
Date Received: 01/31/25 13:29

Lab Sample ID: 890-7618-28
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	101858	02/03/25 09:56	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101839	02/03/25 16:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			102004	02/03/25 16:57	AJ	EET MID
Total/NA	Analysis	8015 NM		1			102142	02/05/25 13:20	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	101844	02/03/25 09:03	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	102059	02/05/25 13:20	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	101838	02/03/25 08:18	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	101869	02/04/25 01:28	CH	EET MID

Client Sample ID: V-6
Date Collected: 01/31/25 00:00
Date Received: 01/31/25 13:29

Lab Sample ID: 890-7618-29
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	101858	02/03/25 09:56	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101839	02/03/25 17:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			102004	02/03/25 17:17	AJ	EET MID
Total/NA	Analysis	8015 NM		1			102142	02/05/25 13:37	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	101844	02/03/25 09:03	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	102059	02/05/25 13:37	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	101838	02/03/25 08:18	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	101869	02/04/25 01:34	CH	EET MID

Client Sample ID: V-6
Date Collected: 01/31/25 00:00
Date Received: 01/31/25 13:29

Lab Sample ID: 890-7618-30
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	101858	02/03/25 09:56	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101839	02/03/25 17:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			102004	02/03/25 17:37	AJ	EET MID
Total/NA	Analysis	8015 NM		1			102142	02/05/25 13:53	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	101844	02/03/25 09:03	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	102059	02/05/25 13:53	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	101937	02/04/25 07:55	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	101990	02/05/25 08:29	CH	EET MID

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Lab Chronicle

Client: NT Global
Project/Site: Wellspring Goose Frac temp booster

Job ID: 890-7618-1
SDG: 259635

Client Sample ID: H-1
Date Collected: 01/31/25 00:00
Date Received: 01/31/25 13:29

Lab Sample ID: 890-7618-31
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	101858	02/03/25 09:56	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101839	02/03/25 19:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			102004	02/03/25 19:27	AJ	EET MID
Total/NA	Analysis	8015 NM		1			102142	02/05/25 14:09	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	101844	02/03/25 09:03	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	102059	02/05/25 14:09	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	101937	02/04/25 07:55	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	101990	02/05/25 08:51	CH	EET MID

Client Sample ID: H-2
Date Collected: 01/31/25 00:00
Date Received: 01/31/25 13:29

Lab Sample ID: 890-7618-32
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	101858	02/03/25 09:56	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101839	02/03/25 19:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			102004	02/03/25 19:48	AJ	EET MID
Total/NA	Analysis	8015 NM		1			102142	02/05/25 14:25	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	101844	02/03/25 09:03	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	102059	02/05/25 14:25	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	101937	02/04/25 07:55	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	101990	02/05/25 08:58	CH	EET MID

Client Sample ID: H-3
Date Collected: 01/31/25 00:00
Date Received: 01/31/25 13:29

Lab Sample ID: 890-7618-33
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	101858	02/03/25 09:56	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101839	02/03/25 20:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			102004	02/03/25 20:08	AJ	EET MID
Total/NA	Analysis	8015 NM		1			102142	02/05/25 14:42	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	101844	02/03/25 09:03	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	102059	02/05/25 14:42	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	101937	02/04/25 07:55	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	101990	02/05/25 10:48	CH	EET MID

Client Sample ID: H-4
Date Collected: 01/31/25 00:00
Date Received: 01/31/25 13:29

Lab Sample ID: 890-7618-34
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	101858	02/03/25 09:56	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101839	02/03/25 20:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			102004	02/03/25 20:29	AJ	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: NT Global
Project/Site: Wellspring Goose Frac temp booster

Job ID: 890-7618-1
SDG: 259635

Client Sample ID: H-4

Date Collected: 01/31/25 00:00

Date Received: 01/31/25 13:29

Lab Sample ID: 890-7618-34

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			102142	02/05/25 14:58	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	101844	02/03/25 09:03	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	102059	02/05/25 14:58	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	101937	02/04/25 07:55	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	101990	02/05/25 10:55	CH	EET MID

Client Sample ID: H-5

Date Collected: 01/31/25 00:00

Date Received: 01/31/25 13:29

Lab Sample ID: 890-7618-35

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	101858	02/03/25 09:56	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101839	02/03/25 20:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			102004	02/03/25 20:49	AJ	EET MID
Total/NA	Analysis	8015 NM		1			102142	02/05/25 15:14	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	101844	02/03/25 09:03	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	102059	02/05/25 15:14	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	101937	02/04/25 07:55	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	101990	02/05/25 11:03	CH	EET MID

Client Sample ID: H-6

Date Collected: 01/31/25 00:00

Date Received: 01/31/25 13:29

Lab Sample ID: 890-7618-36

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	101858	02/03/25 09:56	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101839	02/03/25 21:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			102004	02/03/25 21:10	AJ	EET MID
Total/NA	Analysis	8015 NM		1			102142	02/05/25 15:31	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	101844	02/03/25 09:03	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	102059	02/05/25 15:31	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	101937	02/04/25 07:55	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	101990	02/05/25 11:10	CH	EET MID

Client Sample ID: H-7

Date Collected: 01/31/25 00:00

Date Received: 01/31/25 13:29

Lab Sample ID: 890-7618-37

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	101858	02/03/25 09:56	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101839	02/03/25 21:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			102004	02/03/25 21:30	AJ	EET MID
Total/NA	Analysis	8015 NM		1			102142	02/05/25 15:47	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	101844	02/03/25 09:03	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	102059	02/05/25 15:47	TKC	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: NT Global
Project/Site: Wellspring Goose Frac temp booster

Job ID: 890-7618-1
SDG: 259635

Client Sample ID: H-7

Date Collected: 01/31/25 00:00

Date Received: 01/31/25 13:29

Lab Sample ID: 890-7618-37

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	101937	02/04/25 07:55	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	101990	02/05/25 11:17	CH	EET MID

Client Sample ID: H-8

Date Collected: 01/31/25 00:00

Date Received: 01/31/25 13:29

Lab Sample ID: 890-7618-38

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	101858	02/03/25 09:56	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101839	02/03/25 21:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			102004	02/03/25 21:51	AJ	EET MID
Total/NA	Analysis	8015 NM		1			102142	02/05/25 16:03	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	101844	02/03/25 09:03	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	102059	02/05/25 16:03	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	101937	02/04/25 07:55	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	101990	02/05/25 11:25	CH	EET MID

Laboratory References:
EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: NT Global
Project/Site: Wellspring Goose Frac temp booster

Job ID: 890-7618-1
SDG: 259635

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: NT Global
Project/Site: Wellspring Goose Frac temp booster

Job ID: 890-7618-1
SDG: 259635

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

- ASTM = ASTM International
- EPA = US Environmental Protection Agency
- SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
- TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

- EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: NT Global

Job ID: 890-7618-1

Project/Site: Wellspring Goose Frac temp booster

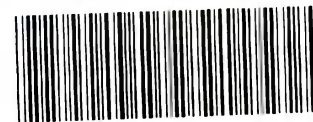
SDG: 259635

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-7618-1	V-1	Solid	01/31/25 00:00	01/31/25 13:29	0-6
890-7618-2	V-1	Solid	01/31/25 00:00	01/31/25 13:29	1-1.5
890-7618-3	V-1	Solid	01/31/25 00:00	01/31/25 13:29	2-2.5
890-7618-4	V-1	Solid	01/31/25 00:00	01/31/25 13:29	3-3.5
890-7618-5	V-1	Solid	01/31/25 00:00	01/31/25 13:29	4-4.5
890-7618-6	V-2	Solid	01/31/25 00:00	01/31/25 13:29	0-6
890-7618-7	V-2	Solid	01/31/25 00:00	01/31/25 13:29	1-1.5
890-7618-8	V-2	Solid	01/31/25 00:00	01/31/25 13:29	2-2.5
890-7618-9	V-2	Solid	01/31/25 00:00	01/31/25 13:29	3-3.5
890-7618-10	V-2	Solid	01/31/25 00:00	01/31/25 13:29	4-4.5
890-7618-11	V-3	Solid	01/31/25 00:00	01/31/25 13:29	0-6
890-7618-12	V-3	Solid	01/31/25 00:00	01/31/25 13:29	1-1.5
890-7618-13	V-3	Solid	01/31/25 00:00	01/31/25 13:29	2-2.5
890-7618-14	V-3	Solid	01/31/25 00:00	01/31/25 13:29	3-3.5
890-7618-15	V-3	Solid	01/31/25 00:00	01/31/25 13:29	4-4.5
890-7618-16	V-4	Solid	01/31/25 00:00	01/31/25 13:29	0-6
890-7618-17	V-4	Solid	01/31/25 00:00	01/31/25 13:29	1-1.5
890-7618-18	V-4	Solid	01/31/25 00:00	01/31/25 13:29	2-2.5
890-7618-19	V-4	Solid	01/31/25 00:00	01/31/25 13:29	3-3.5
890-7618-20	V-4	Solid	01/31/25 00:00	01/31/25 13:29	4-4.5
890-7618-21	V-4	Solid	01/31/25 00:00	01/31/25 13:29	5-5.5
890-7618-22	V-4	Solid	01/31/25 00:00	01/31/25 13:29	6-6.5
890-7618-23	V-4	Solid	01/31/25 00:00	01/31/25 13:29	7-7.5
890-7618-24	V-5	Solid	01/31/25 00:00	01/31/25 13:29	0-6
890-7618-25	V-5	Solid	01/31/25 00:00	01/31/25 13:29	1-1.5
890-7618-26	V-5	Solid	01/31/25 00:00	01/31/25 13:29	2-2.5
890-7618-27	V-5	Solid	01/31/25 00:00	01/31/25 13:29	3-3.5
890-7618-28	V-5	Solid	01/31/25 00:00	01/31/25 13:29	4-4.5
890-7618-29	V-6	Solid	01/31/25 00:00	01/31/25 13:29	0-6
890-7618-30	V-6	Solid	01/31/25 00:00	01/31/25 13:29	1-1.5
890-7618-31	H-1	Solid	01/31/25 00:00	01/31/25 13:29	0-6
890-7618-32	H-2	Solid	01/31/25 00:00	01/31/25 13:29	0-6
890-7618-33	H-3	Solid	01/31/25 00:00	01/31/25 13:29	0-6
890-7618-34	H-4	Solid	01/31/25 00:00	01/31/25 13:29	0-6
890-7618-35	H-5	Solid	01/31/25 00:00	01/31/25 13:29	0-6
890-7618-36	H-6	Solid	01/31/25 00:00	01/31/25 13:29	0-6
890-7618-37	H-7	Solid	01/31/25 00:00	01/31/25 13:29	0-6
890-7618-38	H-8	Solid	01/31/25 00:00	01/31/25 13:29	0-6



Chain of Custody

W



890-7618 Chain of Custody

2/6/2025

Project Manager:	Becky Haskell	Bill to: (if different)	
Company Name:	NTG Environmental	Company Name:	
Address:	701 Tradewinds Blvd	Address:	
City, State ZIP:	Midland, TX, 79701	City, State ZIP:	
Phone:	432-766-1918	Email:	bhaskell@ntglobal.com

Work Order Comments	
Program:	UST/PS <input type="checkbox"/> PR <input type="checkbox"/> Brownfield <input type="checkbox"/> RF <input type="checkbox"/> Superfund <input type="checkbox"/>
State of Project:	
Reporting:	Level <input type="checkbox"/> Level II <input type="checkbox"/> PST/US <input type="checkbox"/> TRF <input type="checkbox"/> Le <input type="checkbox"/>
Deliverables:	EDD <input type="checkbox"/> ADaPT <input type="checkbox"/> Other: <input type="checkbox"/>

Project Name:	Wellspring Goose Frac Temp Booster		Turn-Around		ANALYSIS REQUEST										Preservative Codes					
Project Number:	259635		<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush		Pres. Code													None: NO	DI Water: H ₂ O	
Project Location	Eddy County, New Mexico		Due Date:		Parameters	BTEX 8021B	TPH 8013M (GRO + DRO + MFO)	Chloride 4500	HOLD									Cool: Cool	MeOH: Me	
Sampler's Name:	Tyler Kimball		TAT starts the day received by the lab, if received by 4:30pm									HCL: HC	HNO ₃ : HN							
PO #												H ₂ SO ₄ : H ₂	NaOH: Na							
SAMPLE RECEIPT		Temp Blank:	Yes No	Wet Ice:						Yes No									H ₃ PO ₄ : HP	
Received Intact:	Yes No		Thermometer ID:	+N 2007														NaHSO ₄ : NABIS		
Cooler Custody Seals:	Yes No N/A		Correction Factor:	-0.2										Na ₂ S ₂ O ₃ : NaSO ₃						
Sample Custody Seals:	Yes No N/A		Temperature Reading:	-4.8										Zn Acetate: NaOH: Zn						
Total Containers:	38		Corrected Temperature:	-4.6										NaOH+Ascorbic Acid: SAPC						
Sample Identification	FT (bgs)	Date	Time	Soil	Water	Grab/Comp	# of Cont											Sample Comments		
V-1	0-6"	1/31/2025		x		Grab/	1	x	x	x										
V-1	1-1.5	1/31/2025		x		Grab/	1	x	x	x										
V-1	2-2.5	1/31/2025		x		Grab/	1	x	x	x										
V-1	3-3.5	1/31/2025		x		Grab/	1	x	x	x										
V-1	4-4.5	1/31/2025		x		Grab/	1	x	x	x										
V-2	0-6"	1/31/2025		x		Grab/	1	x	x	x										
V-2	1-1.5	1/31/2025		x		Grab/	1	x	x	x										
V-2	2-2.5	1/31/2025		x		Grab/	1	x	x	x										
V-2	3-3.5	1/31/2025		x		Grab/	1	x	x	x										
V-2	4-4.5	1/31/2025		x		Grab/	1	x	x	x										

Additional Comments:

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1. Tyler Kimball	<i>alulu</i>	1/31/2025 1:13:14 PM			
3			4		
5			6		

Revised Date 05012020 Rev. 2020.1

Page 74 of 79

Released to Imaging: 5/9/2025 2:04:25 PM



Work Order No: _____

Page 2 of 4

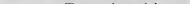
Project Manager:	Becky Haskell	Bill to: (if different)	
Company Name:	NTG Environmental	Company Name:	
Address:	701 Tradewinds Blvd	Address:	
City, State ZIP:	Midland, TX, 79701	City, State ZIP:	
Phone:	432-766-1918	Email:	bhaskell@ntglobal.com

Work Order Comments				
Program:	UST/PS <input type="checkbox"/>	PR <input type="checkbox"/>	Brownfiel <input type="checkbox"/>	RF <input type="checkbox"/> Superf
State of Project:				
Reporting:	Level <input type="checkbox"/>	Level I <input type="checkbox"/>	PST/US <input type="checkbox"/>	TRF <input type="checkbox"/> Le <input type="checkbox"/>
Deliverables:	EDD <input type="checkbox"/>	ADaPT <input type="checkbox"/>	Other:	

[illegible]

Additional Comments:	
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Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)		Received by: (Signature)		Date/Time		Relinquished by: (Signature)		Received by: (Signature)		Date/Time	
1	Tyler Kimball			12:29	1/21	2					
3						4					
5						6					



Chain of Custody

Work Order No: _____

2/6/2025

Page 3 of 4

Project Manager:	Becky Haskell	Bill to: (if different)	
Company Name:	NTG Environmental	Company Name:	
Address:	701 Tradewinds Blvd	Address:	
City, State ZIP:	Midland, TX, 79701	City, State ZIP:	
Phone:	432-766-1918	Email:	bhaskell@ntglobal.com

Work Order Comments	
Program:	UST/PS <input type="checkbox"/> PR <input type="checkbox"/> Brownfield <input type="checkbox"/> RF <input type="checkbox"/> Super <input type="checkbox"/>
State of Project:	
Reporting:	Level <input type="checkbox"/> Level II <input type="checkbox"/> PST/US <input type="checkbox"/> TRF <input type="checkbox"/> Le <input type="checkbox"/>
Deliverables:	EDD <input type="checkbox"/> ADaPT <input type="checkbox"/> Other: _____

Project Name:	Wellspring Goose Frac Temp Booster		Turn Around		ANALYSIS REQUEST												Preservative Codes				
Project Number:	259635		<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush		Pres. Code													None: NO	DI Water: H ₂ O		
Project Location	Eddy County, New Mexico		Due Date:		Parameters	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	HOLD									Cool: Cool	MeOH: Me		
Sampler's Name:	Tyler Kimball		TAT starts the day received by the lab, if received by 4:30pm															HCL: HC	HNO ₃ : HN		
PO #																		H ₂ SO ₄ : H ₂	NaOH: Na		
SAMPLE RECEIPT			Temp Blank:	Yes No						Wet Ice:	Yes No									H ₃ PO ₄ : HP	
Received Intact:	Yes No	N/A	Thermometer ID:															NaHSO ₄ : NABIS			
Cooler Custody Seals:	Yes No	N/A	Correction Factor:										Na ₂ S ₂ O ₃ : NaSO ₃								
Sample Custody Seals:	Yes No	N/A	Temperature Reading:										Zn Acetate: NaOH: Zn								
Total Containers:	38		Corrected Temperature:										NaOH+Ascorbic Acid: SAPC								
Sample Identification	FT (bgs)	Date	Time	Soil	Water	Grab/ Comp	# Of Cont													Sample Comments	
V-4	5-5.5'	1/31/2025		x		Grab/	1	x	x	x											
V-4	6-6.5'	1/31/2025		x		Grab/	1	x	x	x											
V-4	7-7.5'	1/31/2025		x		Grab/	1	x	x	x											
V-5	0-6"	1/31/2025		x		Grab/	1	x	x	x											
V-5	1-1.5	1/31/2025		x		Grab/	1	x	x	x											
V-5	2-2.5	1/31/2025		x		Grab/	1	x	x	x											
V-5	3-3.5	1/31/2025		x		Grab/	1	x	x	x											
V-5	4-4.5	1/31/2025		x		Grab/	1	x	x	x											
V-6	0-6"	1/31/2025		x		Grab/	1	x	x	x											
V-6	1-1.5	1/31/2025		x		Grab/	1	x	x	x											

Additional Comments:

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1. Tyler Kimball	<i>ahask</i>	1/31/2025 1:13:14 PM			
3			4		
5			6		

Revised Date 05/01/2020 Rev 2020.1

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Released to Imaging: 5/9/2025 2:04:25 PM



Work Order No: _____

Page 4 of 4

Project Manager:	Becky Haskell	Bill to: (if different)	
Company Name:	NTG Environmental	Company Name:	
Address:	701 Tradewinds Blvd	Address:	
City, State ZIP:	Midland, TX, 79701	City, State ZIP:	
Phone:	432-766-1918	Email:	bhaskell@ntgglobal.com

Work Order Comments					
Program:	UST/PS <input type="checkbox"/>	PR <input type="checkbox"/>	Brownfield <input type="checkbox"/>	RF <input type="checkbox"/>	Super <input type="checkbox"/>
State of Project:					
Reporting:	Level <input type="checkbox"/>	Level II <input type="checkbox"/>	PST/US <input type="checkbox"/>	TR <input type="checkbox"/>	Le <input type="checkbox"/>
Deliverables:	EDD <input type="checkbox"/>	ADaPT <input type="checkbox"/>	Other: <input type="text"/>		


[illegible]

Page 77 of 79

Released to Imaging: 5/9/2025 2:04:25 PM

Additional Comments:

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Relinquished by: (Signature)		Received by: (Signature)		Date/Time	
1.	Tyler Kimball			12-20-15	
3					
5					

Login Sample Receipt Checklist

Client: NT Global

Job Number: 890-7618-1

SDG Number: 259635

Login Number: 7618

List Number: 1

Creator: Lopez, Abraham

List Source: Eurofins Carlsbad

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	N/A	Refer to Job Narrative for details.
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

Login Sample Receipt Checklist

Client: NT Global

Job Number: 890-7618-1

SDG Number: 259635

Login Number: 7618

List Number: 2

Creator: Rodriguez, Leticia

List Source: Eurofins Midland

List Creation: 02/01/25 05:29 PM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	



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

March 26, 2025

BECKY HASKELL

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: GOOSE FRAC

Enclosed are the results of analyses for samples received by the laboratory on 03/20/25 11:10.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL
 BECKY HASKELL
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	03/20/2025	Sampling Date:	03/19/2025
Reported:	03/26/2025	Sampling Type:	Soil
Project Name:	GOOSE FRAC	Sampling Condition:	Cool & Intact
Project Number:	259635	Sample Received By:	Tamara Oldaker
Project Location:	SENTRY - EDDY CO., NM		

Sample ID: CS - 1 (H251643-01)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/21/2025	ND	1.98	98.8	2.00	2.98		
Toluene*	<0.050	0.050	03/21/2025	ND	2.10	105	2.00	0.0415		
Ethylbenzene*	<0.050	0.050	03/21/2025	ND	2.28	114	2.00	0.350	QM-07	
Total Xylenes*	<0.150	0.150	03/21/2025	ND	6.76	113	6.00	0.839	QM-07	
Total BTX	<0.300	0.300	03/21/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	03/24/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2025	ND	205	102	200	1.04	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	207	104	200	3.47	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					

Surrogate: 1-Chlorooctane 99.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 97.3 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 BECKY HASKELL
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	03/20/2025	Sampling Date:	03/19/2025
Reported:	03/26/2025	Sampling Type:	Soil
Project Name:	GOOSE FRAC	Sampling Condition:	Cool & Intact
Project Number:	259635	Sample Received By:	Tamara Oldaker
Project Location:	SENTRY - EDDY CO., NM		

Sample ID: CS - 2 (H251643-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/21/2025	ND	1.98	98.8	2.00	2.98		
Toluene*	<0.050	0.050	03/21/2025	ND	2.10	105	2.00	0.0415		
Ethylbenzene*	<0.050	0.050	03/21/2025	ND	2.28	114	2.00	0.350		
Total Xylenes*	<0.150	0.150	03/21/2025	ND	6.76	113	6.00	0.839		
Total BTEx	<0.300	0.300	03/21/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	03/21/2025	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2025	ND	205	102	200	1.04	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	207	104	200	3.47	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					

Surrogate: 1-Chlorooctane 87.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 83.7 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 BECKY HASKELL
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	03/20/2025	Sampling Date:	03/19/2025
Reported:	03/26/2025	Sampling Type:	Soil
Project Name:	GOOSE FRAC	Sampling Condition:	Cool & Intact
Project Number:	259635	Sample Received By:	Tamara Oldaker
Project Location:	SENTRY - EDDY CO., NM		

Sample ID: CS - 3 (H251643-03)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/22/2025	ND	1.98	98.8	2.00	2.98		
Toluene*	<0.050	0.050	03/22/2025	ND	2.10	105	2.00	0.0415		
Ethylbenzene*	<0.050	0.050	03/22/2025	ND	2.28	114	2.00	0.350		
Total Xylenes*	<0.150	0.150	03/22/2025	ND	6.76	113	6.00	0.839		
Total BTEx	<0.300	0.300	03/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	03/21/2025	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2025	ND	205	102	200	1.04	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	207	104	200	3.47	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					

Surrogate: 1-Chlorooctane 93.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 92.6 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 BECKY HASKELL
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	03/20/2025	Sampling Date:	03/19/2025
Reported:	03/26/2025	Sampling Type:	Soil
Project Name:	GOOSE FRAC	Sampling Condition:	Cool & Intact
Project Number:	259635	Sample Received By:	Tamara Oldaker
Project Location:	SENTRY - EDDY CO., NM		

Sample ID: CS - 4 (H251643-04)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/22/2025	ND	1.98	98.8	2.00	2.98		
Toluene*	<0.050	0.050	03/22/2025	ND	2.10	105	2.00	0.0415		
Ethylbenzene*	<0.050	0.050	03/22/2025	ND	2.28	114	2.00	0.350		
Total Xylenes*	<0.150	0.150	03/22/2025	ND	6.76	113	6.00	0.839		
Total BTEx	<0.300	0.300	03/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	03/21/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2025	ND	205	102	200	1.04	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	207	104	200	3.47	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					

Surrogate: 1-Chlorooctane 83.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 80.2 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 BECKY HASKELL
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	03/20/2025	Sampling Date:	03/19/2025
Reported:	03/26/2025	Sampling Type:	Soil
Project Name:	GOOSE FRAC	Sampling Condition:	Cool & Intact
Project Number:	259635	Sample Received By:	Tamara Oldaker
Project Location:	SENTRY - EDDY CO., NM		

Sample ID: CS - 5 (H251643-05)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/22/2025	ND	1.98	98.8	2.00	2.98		
Toluene*	<0.050	0.050	03/22/2025	ND	2.10	105	2.00	0.0415		
Ethylbenzene*	<0.050	0.050	03/22/2025	ND	2.28	114	2.00	0.350		
Total Xylenes*	<0.150	0.150	03/22/2025	ND	6.76	113	6.00	0.839		
Total BTEx	<0.300	0.300	03/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	288	16.0	03/21/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2025	ND	205	102	200	1.04	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	207	104	200	3.47	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					

Surrogate: 1-Chlorooctane 99.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 96.3 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 BECKY HASKELL
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	03/20/2025	Sampling Date:	03/19/2025
Reported:	03/26/2025	Sampling Type:	Soil
Project Name:	GOOSE FRAC	Sampling Condition:	Cool & Intact
Project Number:	259635	Sample Received By:	Tamara Oldaker
Project Location:	SENTRY - EDDY CO., NM		

Sample ID: CS - 6 (H251643-06)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/22/2025	ND	1.98	98.8	2.00	2.98		
Toluene*	<0.050	0.050	03/22/2025	ND	2.10	105	2.00	0.0415		
Ethylbenzene*	<0.050	0.050	03/22/2025	ND	2.28	114	2.00	0.350		
Total Xylenes*	<0.150	0.150	03/22/2025	ND	6.76	113	6.00	0.839		
Total BTEx	<0.300	0.300	03/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	03/21/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2025	ND	194	97.1	200	0.539	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	178	89.0	200	0.298	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					

Surrogate: 1-Chlorooctane 79.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 76.1 % 40.6-153

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 BECKY HASKELL
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	03/20/2025	Sampling Date:	03/19/2025
Reported:	03/26/2025	Sampling Type:	Soil
Project Name:	GOOSE FRAC	Sampling Condition:	Cool & Intact
Project Number:	259635	Sample Received By:	Tamara Oldaker
Project Location:	SENTRY - EDDY CO., NM		

Sample ID: CS - 7 (H251643-07)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/22/2025	ND	1.98	98.8	2.00	2.98		
Toluene*	<0.050	0.050	03/22/2025	ND	2.10	105	2.00	0.0415		
Ethylbenzene*	<0.050	0.050	03/22/2025	ND	2.28	114	2.00	0.350		
Total Xylenes*	<0.150	0.150	03/22/2025	ND	6.76	113	6.00	0.839		
Total BTEx	<0.300	0.300	03/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	03/21/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2025	ND	194	97.1	200	0.539	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	178	89.0	200	0.298	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					

Surrogate: 1-Chlorooctane 77.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 72.2 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL
 BECKY HASKELL
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	03/20/2025	Sampling Date:	03/19/2025
Reported:	03/26/2025	Sampling Type:	Soil
Project Name:	GOOSE FRAC	Sampling Condition:	Cool & Intact
Project Number:	259635	Sample Received By:	Tamara Oldaker
Project Location:	SENTRY - EDDY CO., NM		

Sample ID: CS - 8 (H251643-08)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/22/2025	ND	1.98	98.8	2.00	2.98		
Toluene*	<0.050	0.050	03/22/2025	ND	2.10	105	2.00	0.0415		
Ethylbenzene*	<0.050	0.050	03/22/2025	ND	2.28	114	2.00	0.350		
Total Xylenes*	<0.150	0.150	03/22/2025	ND	6.76	113	6.00	0.839		
Total BTEx	<0.300	0.300	03/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	03/21/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2025	ND	194	97.1	200	0.539	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	178	89.0	200	0.298	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					

Surrogate: 1-Chlorooctane 80.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 75.6 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 BECKY HASKELL
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	03/20/2025	Sampling Date:	03/19/2025
Reported:	03/26/2025	Sampling Type:	Soil
Project Name:	GOOSE FRAC	Sampling Condition:	Cool & Intact
Project Number:	259635	Sample Received By:	Tamara Oldaker
Project Location:	SENTRY - EDDY CO., NM		

Sample ID: CS - 9 (H251643-09)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/22/2025	ND	1.98	98.8	2.00	2.98		
Toluene*	<0.050	0.050	03/22/2025	ND	2.10	105	2.00	0.0415		
Ethylbenzene*	<0.050	0.050	03/22/2025	ND	2.28	114	2.00	0.350		
Total Xylenes*	<0.150	0.150	03/22/2025	ND	6.76	113	6.00	0.839		
Total BTEX	<0.300	0.300	03/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	03/21/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2025	ND	194	97.1	200	0.539	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	178	89.0	200	0.298	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					

Surrogate: 1-Chlorooctane 88.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 86.2 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

Received:	03/20/2025	Sampling Date:	03/19/2025
Reported:	03/26/2025	Sampling Type:	Soil
Project Name:	GOOSE FRAC	Sampling Condition:	Cool & Intact
Project Number:	259635	Sample Received By:	Tamara Oldaker
Project Location:	SENTRY - EDDY CO., NM		

Sample ID: CS - 10 (H251643-10)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/22/2025	ND	1.98	98.8	2.00	2.98	
Toluene*	<0.050	0.050	03/22/2025	ND	2.10	105	2.00	0.0415	
Ethylbenzene*	<0.050	0.050	03/22/2025	ND	2.28	114	2.00	0.350	
Total Xylenes*	<0.150	0.150	03/22/2025	ND	6.76	113	6.00	0.839	
Total BTX	<0.300	0.300	03/22/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	03/21/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2025	ND	194	97.1	200	0.539	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	178	89.0	200	0.298	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					

Surrogate: 1-Chlorooctane 87.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 82.8 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 BECKY HASKELL
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	03/20/2025	Sampling Date:	03/19/2025
Reported:	03/26/2025	Sampling Type:	Soil
Project Name:	GOOSE FRAC	Sampling Condition:	Cool & Intact
Project Number:	259635	Sample Received By:	Tamara Oldaker
Project Location:	SENTRY - EDDY CO., NM		

Sample ID: CS - 11 (H251643-11)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/22/2025	ND	1.98	98.8	2.00	2.98		
Toluene*	<0.050	0.050	03/22/2025	ND	2.10	105	2.00	0.0415		
Ethylbenzene*	<0.050	0.050	03/22/2025	ND	2.28	114	2.00	0.350		
Total Xylenes*	<0.150	0.150	03/22/2025	ND	6.76	113	6.00	0.839		
Total BTEx	<0.300	0.300	03/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	03/21/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2025	ND	194	97.1	200	0.539	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	178	89.0	200	0.298	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					

Surrogate: 1-Chlorooctane 77.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 73.1 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 BECKY HASKELL
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	03/20/2025	Sampling Date:	03/19/2025
Reported:	03/26/2025	Sampling Type:	Soil
Project Name:	GOOSE FRAC	Sampling Condition:	Cool & Intact
Project Number:	259635	Sample Received By:	Tamara Oldaker
Project Location:	SENTRY - EDDY CO., NM		

Sample ID: CS - 12 (H251643-12)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/22/2025	ND	1.98	98.8	2.00	2.98		
Toluene*	<0.050	0.050	03/22/2025	ND	2.10	105	2.00	0.0415		
Ethylbenzene*	<0.050	0.050	03/22/2025	ND	2.28	114	2.00	0.350		
Total Xylenes*	<0.150	0.150	03/22/2025	ND	6.76	113	6.00	0.839		
Total BTEx	<0.300	0.300	03/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	03/21/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2025	ND	194	97.1	200	0.539	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	178	89.0	200	0.298	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					

Surrogate: 1-Chlorooctane 76.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 72.3 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 BECKY HASKELL
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	03/20/2025	Sampling Date:	03/19/2025
Reported:	03/26/2025	Sampling Type:	Soil
Project Name:	GOOSE FRAC	Sampling Condition:	Cool & Intact
Project Number:	259635	Sample Received By:	Tamara Oldaker
Project Location:	SENTRY - EDDY CO., NM		

Sample ID: CS - 13 (H251643-13)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/22/2025	ND	1.98	98.8	2.00	2.98		
Toluene*	<0.050	0.050	03/22/2025	ND	2.10	105	2.00	0.0415		
Ethylbenzene*	<0.050	0.050	03/22/2025	ND	2.28	114	2.00	0.350		
Total Xylenes*	<0.150	0.150	03/22/2025	ND	6.76	113	6.00	0.839		
Total BTEx	<0.300	0.300	03/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	03/21/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2025	ND	194	97.1	200	0.539	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	178	89.0	200	0.298	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					

Surrogate: 1-Chlorooctane 82.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 78.5 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 BECKY HASKELL
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	03/20/2025	Sampling Date:	03/19/2025
Reported:	03/26/2025	Sampling Type:	Soil
Project Name:	GOOSE FRAC	Sampling Condition:	Cool & Intact
Project Number:	259635	Sample Received By:	Tamara Oldaker
Project Location:	SENTRY - EDDY CO., NM		

Sample ID: CS - 14 (H251643-14)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/22/2025	ND	1.98	98.8	2.00	2.98	
Toluene*	<0.050	0.050	03/22/2025	ND	2.10	105	2.00	0.0415	
Ethylbenzene*	<0.050	0.050	03/22/2025	ND	2.28	114	2.00	0.350	
Total Xylenes*	<0.150	0.150	03/22/2025	ND	6.76	113	6.00	0.839	
Total BTEx	<0.300	0.300	03/22/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	03/21/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2025	ND	194	97.1	200	0.539	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	178	89.0	200	0.298	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					

Surrogate: 1-Chlorooctane 87.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 83.6 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL
 BECKY HASKELL
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	03/20/2025	Sampling Date:	03/19/2025
Reported:	03/26/2025	Sampling Type:	Soil
Project Name:	GOOSE FRAC	Sampling Condition:	Cool & Intact
Project Number:	259635	Sample Received By:	Tamara Oldaker
Project Location:	SENTRY - EDDY CO., NM		

Sample ID: CS - 15 (H251643-15)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/22/2025	ND	1.98	98.8	2.00	2.98		
Toluene*	<0.050	0.050	03/22/2025	ND	2.10	105	2.00	0.0415		
Ethylbenzene*	<0.050	0.050	03/22/2025	ND	2.28	114	2.00	0.350		
Total Xylenes*	<0.150	0.150	03/22/2025	ND	6.76	113	6.00	0.839		
Total BTEx	<0.300	0.300	03/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	03/21/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2025	ND	194	97.1	200	0.539	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	178	89.0	200	0.298	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					

Surrogate: 1-Chlorooctane 85.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 81.4 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL
 BECKY HASKELL
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	03/20/2025	Sampling Date:	03/19/2025
Reported:	03/26/2025	Sampling Type:	Soil
Project Name:	GOOSE FRAC	Sampling Condition:	Cool & Intact
Project Number:	259635	Sample Received By:	Tamara Oldaker
Project Location:	SENTRY - EDDY CO., NM		

Sample ID: CS - 16 (H251643-16)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/22/2025	ND	1.98	98.8	2.00	2.98	
Toluene*	<0.050	0.050	03/22/2025	ND	2.10	105	2.00	0.0415	
Ethylbenzene*	<0.050	0.050	03/22/2025	ND	2.28	114	2.00	0.350	
Total Xylenes*	<0.150	0.150	03/22/2025	ND	6.76	113	6.00	0.839	
Total BTEx	<0.300	0.300	03/22/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	03/21/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2025	ND	194	97.1	200	0.539	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	178	89.0	200	0.298	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					

Surrogate: 1-Chlorooctane 77.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 73.9 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 BECKY HASKELL
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	03/20/2025	Sampling Date:	03/19/2025
Reported:	03/26/2025	Sampling Type:	Soil
Project Name:	GOOSE FRAC	Sampling Condition:	Cool & Intact
Project Number:	259635	Sample Received By:	Tamara Oldaker
Project Location:	SENTRY - EDDY CO., NM		

Sample ID: CS - 17 (H251643-17)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/22/2025	ND	1.98	98.8	2.00	2.98	
Toluene*	<0.050	0.050	03/22/2025	ND	2.10	105	2.00	0.0415	
Ethylbenzene*	<0.050	0.050	03/22/2025	ND	2.28	114	2.00	0.350	
Total Xylenes*	<0.150	0.150	03/22/2025	ND	6.76	113	6.00	0.839	
Total BTEX	<0.300	0.300	03/22/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	03/21/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2025	ND	194	97.1	200	0.539	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	178	89.0	200	0.298	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					

Surrogate: 1-Chlorooctane 78.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 74.2 % 40.6-153

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Analytical Results For:

NTG ENVIRONMENTAL
 BECKY HASKELL
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	03/20/2025	Sampling Date:	03/19/2025
Reported:	03/26/2025	Sampling Type:	Soil
Project Name:	GOOSE FRAC	Sampling Condition:	Cool & Intact
Project Number:	259635	Sample Received By:	Tamara Oldaker
Project Location:	SENTRY - EDDY CO., NM		

Sample ID: CS - 18 (H251643-18)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/22/2025	ND	1.98	98.8	2.00	2.98		
Toluene*	<0.050	0.050	03/22/2025	ND	2.10	105	2.00	0.0415		
Ethylbenzene*	<0.050	0.050	03/22/2025	ND	2.28	114	2.00	0.350		
Total Xylenes*	<0.150	0.150	03/22/2025	ND	6.76	113	6.00	0.839		
Total BTEx	<0.300	0.300	03/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	03/21/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2025	ND	194	97.1	200	0.539	
DRO >C10-C28*	<10.0	10.0	03/26/2025	ND	178	89.0	200	0.298	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 83.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 78.9 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 BECKY HASKELL
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	03/20/2025	Sampling Date:	03/19/2025
Reported:	03/26/2025	Sampling Type:	Soil
Project Name:	GOOSE FRAC	Sampling Condition:	Cool & Intact
Project Number:	259635	Sample Received By:	Tamara Oldaker
Project Location:	SENTRY - EDDY CO., NM		

Sample ID: CS - 19 (H251643-19)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/22/2025	ND	1.98	98.8	2.00	2.98	
Toluene*	<0.050	0.050	03/22/2025	ND	2.10	105	2.00	0.0415	
Ethylbenzene*	<0.050	0.050	03/22/2025	ND	2.28	114	2.00	0.350	
Total Xylenes*	<0.150	0.150	03/22/2025	ND	6.76	113	6.00	0.839	
Total BTEX	<0.300	0.300	03/22/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	03/21/2025	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2025	ND	194	97.1	200	0.539	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	178	89.0	200	0.298	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					

Surrogate: 1-Chlorooctane 75.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 71.2 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 BECKY HASKELL
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	03/20/2025	Sampling Date:	03/19/2025
Reported:	03/26/2025	Sampling Type:	Soil
Project Name:	GOOSE FRAC	Sampling Condition:	Cool & Intact
Project Number:	259635	Sample Received By:	Tamara Oldaker
Project Location:	SENTRY - EDDY CO., NM		

Sample ID: CS - 20 (H251643-20)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/22/2025	ND	1.98	98.8	2.00	2.98	
Toluene*	<0.050	0.050	03/22/2025	ND	2.10	105	2.00	0.0415	
Ethylbenzene*	<0.050	0.050	03/22/2025	ND	2.28	114	2.00	0.350	
Total Xylenes*	<0.150	0.150	03/22/2025	ND	6.76	113	6.00	0.839	
Total BTEX	<0.300	0.300	03/22/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	03/21/2025	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2025	ND	194	97.1	200	0.539	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	178	89.0	200	0.298	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					

Surrogate: 1-Chlorooctane 80.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 76.3 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 BECKY HASKELL
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	03/20/2025	Sampling Date:	03/19/2025
Reported:	03/26/2025	Sampling Type:	Soil
Project Name:	GOOSE FRAC	Sampling Condition:	Cool & Intact
Project Number:	259635	Sample Received By:	Tamara Oldaker
Project Location:	SENTRY - EDDY CO., NM		

Sample ID: CS - 21 (H251643-21)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/22/2025	ND	1.95	97.6	2.00	9.11	
Toluene*	<0.050	0.050	03/22/2025	ND	2.04	102	2.00	7.93	
Ethylbenzene*	<0.050	0.050	03/22/2025	ND	2.00	99.9	2.00	7.69	
Total Xylenes*	<0.150	0.150	03/22/2025	ND	5.87	97.9	6.00	7.90	
Total BTEX	<0.300	0.300	03/22/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	03/21/2025	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2025	ND	194	97.1	200	0.539	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	178	89.0	200	0.298	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					

Surrogate: 1-Chlorooctane 69.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 65.0 % 40.6-153

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Analytical Results For:

NTG ENVIRONMENTAL
 BECKY HASKELL
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	03/20/2025	Sampling Date:	03/19/2025
Reported:	03/26/2025	Sampling Type:	Soil
Project Name:	GOOSE FRAC	Sampling Condition:	Cool & Intact
Project Number:	259635	Sample Received By:	Tamara Oldaker
Project Location:	SENTRY - EDDY CO., NM		

Sample ID: CS - 22 (H251643-22)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/22/2025	ND	1.95	97.6	2.00	9.11		
Toluene*	<0.050	0.050	03/22/2025	ND	2.04	102	2.00	7.93		
Ethylbenzene*	<0.050	0.050	03/22/2025	ND	2.00	99.9	2.00	7.69		
Total Xylenes*	<0.150	0.150	03/22/2025	ND	5.87	97.9	6.00	7.90		
Total BTEx	<0.300	0.300	03/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	03/24/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2025	ND	194	97.1	200	0.539	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	178	89.0	200	0.298	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					

Surrogate: 1-Chlorooctane 89.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 85.7 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 BECKY HASKELL
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	03/20/2025	Sampling Date:	03/19/2025
Reported:	03/26/2025	Sampling Type:	Soil
Project Name:	GOOSE FRAC	Sampling Condition:	Cool & Intact
Project Number:	259635	Sample Received By:	Tamara Oldaker
Project Location:	SENTRY - EDDY CO., NM		

Sample ID: CS - 23 (H251643-23)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/22/2025	ND	1.95	97.6	2.00	9.11		
Toluene*	<0.050	0.050	03/22/2025	ND	2.04	102	2.00	7.93		
Ethylbenzene*	<0.050	0.050	03/22/2025	ND	2.00	99.9	2.00	7.69		
Total Xylenes*	<0.150	0.150	03/22/2025	ND	5.87	97.9	6.00	7.90		
Total BTEX	<0.300	0.300	03/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	384	16.0	03/24/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2025	ND	194	97.1	200	0.539	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	178	89.0	200	0.298	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					

Surrogate: 1-Chlorooctane 88.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 84.0 % 40.6-153

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Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

Received:	03/20/2025	Sampling Date:	03/19/2025
Reported:	03/26/2025	Sampling Type:	Soil
Project Name:	GOOSE FRAC	Sampling Condition:	Cool & Intact
Project Number:	259635	Sample Received By:	Tamara Oldaker
Project Location:	SENTRY - EDDY CO., NM		

Sample ID: CS - 24 (H251643-24)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/22/2025	ND	1.95	97.6	2.00	9.11		
Toluene*	<0.050	0.050	03/22/2025	ND	2.04	102	2.00	7.93		
Ethylbenzene*	<0.050	0.050	03/22/2025	ND	2.00	99.9	2.00	7.69		
Total Xylenes*	<0.150	0.150	03/22/2025	ND	5.87	97.9	6.00	7.90		
Total BTEX	<0.300	0.300	03/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	03/24/2025	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2025	ND	194	97.1	200	0.539	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	178	89.0	200	0.298	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					

Surrogate: 1-Chlorooctane 87.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 84.4 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 BECKY HASKELL
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	03/20/2025	Sampling Date:	03/19/2025
Reported:	03/26/2025	Sampling Type:	Soil
Project Name:	GOOSE FRAC	Sampling Condition:	Cool & Intact
Project Number:	259635	Sample Received By:	Tamara Oldaker
Project Location:	SENTRY - EDDY CO., NM		

Sample ID: CS - 25 (H251643-25)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/22/2025	ND	1.95	97.6	2.00	9.11		
Toluene*	<0.050	0.050	03/22/2025	ND	2.04	102	2.00	7.93		
Ethylbenzene*	<0.050	0.050	03/22/2025	ND	2.00	99.9	2.00	7.69		
Total Xylenes*	<0.150	0.150	03/22/2025	ND	5.87	97.9	6.00	7.90		
Total BTEX	<0.300	0.300	03/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	03/24/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2025	ND	194	97.1	200	0.539	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	178	89.0	200	0.298	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					

Surrogate: 1-Chlorooctane 86.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 82.1 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 BECKY HASKELL
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	03/20/2025	Sampling Date:	03/19/2025
Reported:	03/26/2025	Sampling Type:	Soil
Project Name:	GOOSE FRAC	Sampling Condition:	Cool & Intact
Project Number:	259635	Sample Received By:	Tamara Oldaker
Project Location:	SENTRY - EDDY CO., NM		

Sample ID: CS - 26 (H251643-26)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/22/2025	ND	1.95	97.6	2.00	9.11		
Toluene*	<0.050	0.050	03/22/2025	ND	2.04	102	2.00	7.93		
Ethylbenzene*	<0.050	0.050	03/22/2025	ND	2.00	99.9	2.00	7.69		
Total Xylenes*	<0.150	0.150	03/22/2025	ND	5.87	97.9	6.00	7.90		
Total BTEx	<0.300	0.300	03/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	03/24/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2025	ND	201	101	200	2.20	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	196	97.8	200	0.167	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					

Surrogate: 1-Chlorooctane 70.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 65.2 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 BECKY HASKELL
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	03/20/2025	Sampling Date:	03/19/2025
Reported:	03/26/2025	Sampling Type:	Soil
Project Name:	GOOSE FRAC	Sampling Condition:	Cool & Intact
Project Number:	259635	Sample Received By:	Tamara Oldaker
Project Location:	SENTRY - EDDY CO., NM		

Sample ID: CS - 27 (H251643-27)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/22/2025	ND	1.95	97.6	2.00	9.11		
Toluene*	<0.050	0.050	03/22/2025	ND	2.04	102	2.00	7.93		
Ethylbenzene*	<0.050	0.050	03/22/2025	ND	2.00	99.9	2.00	7.69		
Total Xylenes*	<0.150	0.150	03/22/2025	ND	5.87	97.9	6.00	7.90		
Total BTEX	<0.300	0.300	03/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	03/24/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2025	ND	201	101	200	2.20	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	196	97.8	200	0.167	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					

Surrogate: 1-Chlorooctane 75.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 69.5 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

Received:	03/20/2025	Sampling Date:	03/19/2025
Reported:	03/26/2025	Sampling Type:	Soil
Project Name:	GOOSE FRAC	Sampling Condition:	Cool & Intact
Project Number:	259635	Sample Received By:	Tamara Oldaker
Project Location:	SENTRY - EDDY CO., NM		

Sample ID: CS - 28 (H251643-28)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/22/2025	ND	1.95	97.6	2.00	9.11	
Toluene*	<0.050	0.050	03/22/2025	ND	2.04	102	2.00	7.93	
Ethylbenzene*	<0.050	0.050	03/22/2025	ND	2.00	99.9	2.00	7.69	
Total Xylenes*	<0.150	0.150	03/22/2025	ND	5.87	97.9	6.00	7.90	
Total BTEX	<0.300	0.300	03/22/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	03/24/2025	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2025	ND	201	101	200	2.20	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	196	97.8	200	0.167	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					

Surrogate: 1-Chlorooctane 75.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 69.3 % 40.6-153

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Analytical Results For:

NTG ENVIRONMENTAL
 BECKY HASKELL
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	03/20/2025	Sampling Date:	03/19/2025
Reported:	03/26/2025	Sampling Type:	Soil
Project Name:	GOOSE FRAC	Sampling Condition:	Cool & Intact
Project Number:	259635	Sample Received By:	Tamara Oldaker
Project Location:	SENTRY - EDDY CO., NM		

Sample ID: CS - 29 (H251643-29)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/22/2025	ND	1.95	97.6	2.00	9.11		
Toluene*	<0.050	0.050	03/22/2025	ND	2.04	102	2.00	7.93		
Ethylbenzene*	<0.050	0.050	03/22/2025	ND	2.00	99.9	2.00	7.69		
Total Xylenes*	<0.150	0.150	03/22/2025	ND	5.87	97.9	6.00	7.90		
Total BTEx	<0.300	0.300	03/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	03/24/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2025	ND	201	101	200	2.20	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	196	97.8	200	0.167	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					

Surrogate: 1-Chlorooctane 77.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 71.9 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 BECKY HASKELL
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	03/20/2025	Sampling Date:	03/19/2025
Reported:	03/26/2025	Sampling Type:	Soil
Project Name:	GOOSE FRAC	Sampling Condition:	Cool & Intact
Project Number:	259635	Sample Received By:	Tamara Oldaker
Project Location:	SENTRY - EDDY CO., NM		

Sample ID: CS - 30 (H251643-30)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/22/2025	ND	1.95	97.6	2.00	9.11	
Toluene*	<0.050	0.050	03/22/2025	ND	2.04	102	2.00	7.93	
Ethylbenzene*	<0.050	0.050	03/22/2025	ND	2.00	99.9	2.00	7.69	
Total Xylenes*	<0.150	0.150	03/22/2025	ND	5.87	97.9	6.00	7.90	
Total BTX	<0.300	0.300	03/22/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	03/24/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2025	ND	201	101	200	2.20	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	196	97.8	200	0.167	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					

Surrogate: 1-Chlorooctane 67.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 60.7 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 BECKY HASKELL
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	03/20/2025	Sampling Date:	03/19/2025
Reported:	03/26/2025	Sampling Type:	Soil
Project Name:	GOOSE FRAC	Sampling Condition:	Cool & Intact
Project Number:	259635	Sample Received By:	Tamara Oldaker
Project Location:	SENTRY - EDDY CO., NM		

Sample ID: CS - 31 (H251643-31)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/22/2025	ND	1.95	97.6	2.00	9.11	
Toluene*	<0.050	0.050	03/22/2025	ND	2.04	102	2.00	7.93	
Ethylbenzene*	<0.050	0.050	03/22/2025	ND	2.00	99.9	2.00	7.69	
Total Xylenes*	<0.150	0.150	03/22/2025	ND	5.87	97.9	6.00	7.90	
Total BTX	<0.300	0.300	03/22/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	03/24/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2025	ND	201	101	200	2.20	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	196	97.8	200	0.167	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					

Surrogate: 1-Chlorooctane 78.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 72.6 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 BECKY HASKELL
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	03/20/2025	Sampling Date:	03/19/2025
Reported:	03/26/2025	Sampling Type:	Soil
Project Name:	GOOSE FRAC	Sampling Condition:	Cool & Intact
Project Number:	259635	Sample Received By:	Tamara Oldaker
Project Location:	SENTRY - EDDY CO., NM		

Sample ID: CS - 32 (H251643-32)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/22/2025	ND	1.95	97.6	2.00	9.11		
Toluene*	<0.050	0.050	03/22/2025	ND	2.04	102	2.00	7.93		
Ethylbenzene*	<0.050	0.050	03/22/2025	ND	2.00	99.9	2.00	7.69		
Total Xylenes*	<0.150	0.150	03/22/2025	ND	5.87	97.9	6.00	7.90		
Total BTEx	<0.300	0.300	03/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	03/24/2025	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2025	ND	201	101	200	2.20	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	196	97.8	200	0.167	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					

Surrogate: 1-Chlorooctane 79.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 72.4 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL
 BECKY HASKELL
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	03/20/2025	Sampling Date:	03/19/2025
Reported:	03/26/2025	Sampling Type:	Soil
Project Name:	GOOSE FRAC	Sampling Condition:	Cool & Intact
Project Number:	259635	Sample Received By:	Tamara Oldaker
Project Location:	SENTRY - EDDY CO., NM		

Sample ID: SW - 1 (H251643-33)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/22/2025	ND	1.95	97.6	2.00	9.11		
Toluene*	<0.050	0.050	03/22/2025	ND	2.04	102	2.00	7.93		
Ethylbenzene*	<0.050	0.050	03/22/2025	ND	2.00	99.9	2.00	7.69		
Total Xylenes*	<0.150	0.150	03/22/2025	ND	5.87	97.9	6.00	7.90		
Total BTEx	<0.300	0.300	03/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	03/24/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2025	ND	201	101	200	2.20	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	196	97.8	200	0.167	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					

Surrogate: 1-Chlorooctane 72.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 66.4 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 BECKY HASKELL
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	03/20/2025	Sampling Date:	03/19/2025
Reported:	03/26/2025	Sampling Type:	Soil
Project Name:	GOOSE FRAC	Sampling Condition:	Cool & Intact
Project Number:	259635	Sample Received By:	Tamara Oldaker
Project Location:	SENTRY - EDDY CO., NM		

Sample ID: SW - 2 (H251643-34)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/22/2025	ND	1.95	97.6	2.00	9.11		
Toluene*	<0.050	0.050	03/22/2025	ND	2.04	102	2.00	7.93		
Ethylbenzene*	<0.050	0.050	03/22/2025	ND	2.00	99.9	2.00	7.69		
Total Xylenes*	<0.150	0.150	03/22/2025	ND	5.87	97.9	6.00	7.90		
Total BTEX	<0.300	0.300	03/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	03/24/2025	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2025	ND	201	101	200	2.20	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	196	97.8	200	0.167	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					

Surrogate: 1-Chlorooctane 76.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 69.7 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 BECKY HASKELL
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	03/20/2025	Sampling Date:	03/19/2025
Reported:	03/26/2025	Sampling Type:	Soil
Project Name:	GOOSE FRAC	Sampling Condition:	Cool & Intact
Project Number:	259635	Sample Received By:	Tamara Oldaker
Project Location:	SENTRY - EDDY CO., NM		

Sample ID: SW - 3 (H251643-35)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/22/2025	ND	1.95	97.6	2.00	9.11		
Toluene*	<0.050	0.050	03/22/2025	ND	2.04	102	2.00	7.93		
Ethylbenzene*	<0.050	0.050	03/22/2025	ND	2.00	99.9	2.00	7.69		
Total Xylenes*	<0.150	0.150	03/22/2025	ND	5.87	97.9	6.00	7.90		
Total BTEx	<0.300	0.300	03/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	624	16.0	03/24/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2025	ND	201	101	200	2.20	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	196	97.8	200	0.167	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					

Surrogate: 1-Chlorooctane 78.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 72.2 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 BECKY HASKELL
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	03/20/2025	Sampling Date:	03/19/2025
Reported:	03/26/2025	Sampling Type:	Soil
Project Name:	GOOSE FRAC	Sampling Condition:	Cool & Intact
Project Number:	259635	Sample Received By:	Tamara Oldaker
Project Location:	SENTRY - EDDY CO., NM		

Sample ID: SW - 4 (H251643-36)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/22/2025	ND	1.95	97.6	2.00	9.11		
Toluene*	<0.050	0.050	03/22/2025	ND	2.04	102	2.00	7.93		
Ethylbenzene*	<0.050	0.050	03/22/2025	ND	2.00	99.9	2.00	7.69		
Total Xylenes*	<0.150	0.150	03/22/2025	ND	5.87	97.9	6.00	7.90		
Total BTX	<0.300	0.300	03/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/24/2025	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2025	ND	201	101	200	2.20	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	196	97.8	200	0.167	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					

Surrogate: 1-Chlorooctane 69.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 63.0 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 BECKY HASKELL
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	03/20/2025	Sampling Date:	03/19/2025
Reported:	03/26/2025	Sampling Type:	Soil
Project Name:	GOOSE FRAC	Sampling Condition:	Cool & Intact
Project Number:	259635	Sample Received By:	Tamara Oldaker
Project Location:	SENTRY - EDDY CO., NM		

Sample ID: SW - 5 (H251643-37)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/22/2025	ND	1.95	97.6	2.00	9.11		
Toluene*	<0.050	0.050	03/22/2025	ND	2.04	102	2.00	7.93		
Ethylbenzene*	<0.050	0.050	03/22/2025	ND	2.00	99.9	2.00	7.69		
Total Xylenes*	<0.150	0.150	03/22/2025	ND	5.87	97.9	6.00	7.90		
Total BTEx	<0.300	0.300	03/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/24/2025	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2025	ND	201	101	200	2.20	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	196	97.8	200	0.167	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					

Surrogate: 1-Chlorooctane 75.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 69.1 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 BECKY HASKELL
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	03/20/2025	Sampling Date:	03/19/2025
Reported:	03/26/2025	Sampling Type:	Soil
Project Name:	GOOSE FRAC	Sampling Condition:	Cool & Intact
Project Number:	259635	Sample Received By:	Tamara Oldaker
Project Location:	SENTRY - EDDY CO., NM		

Sample ID: SW - 6 (H251643-38)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/22/2025	ND	1.95	97.6	2.00	9.11	
Toluene*	<0.050	0.050	03/22/2025	ND	2.04	102	2.00	7.93	
Ethylbenzene*	<0.050	0.050	03/22/2025	ND	2.00	99.9	2.00	7.69	
Total Xylenes*	<0.150	0.150	03/22/2025	ND	5.87	97.9	6.00	7.90	
Total BTEx	<0.300	0.300	03/22/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	03/24/2025	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2025	ND	201	101	200	2.20	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	196	97.8	200	0.167	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					

Surrogate: 1-Chlorooctane 80.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 74.9 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 BECKY HASKELL
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	03/20/2025	Sampling Date:	03/19/2025
Reported:	03/26/2025	Sampling Type:	Soil
Project Name:	GOOSE FRAC	Sampling Condition:	Cool & Intact
Project Number:	259635	Sample Received By:	Tamara Oldaker
Project Location:	SENTRY - EDDY CO., NM		

Sample ID: SW - 7 (H251643-39)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/22/2025	ND	1.95	97.6	2.00	9.11		
Toluene*	<0.050	0.050	03/22/2025	ND	2.04	102	2.00	7.93		
Ethylbenzene*	<0.050	0.050	03/22/2025	ND	2.00	99.9	2.00	7.69		
Total Xylenes*	<0.150	0.150	03/22/2025	ND	5.87	97.9	6.00	7.90		
Total BTEx	<0.300	0.300	03/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	03/24/2025	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2025	ND	201	101	200	2.20	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	196	97.8	200	0.167	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					

Surrogate: 1-Chlorooctane 80.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 73.2 % 40.6-153

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Notes and Definitions

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

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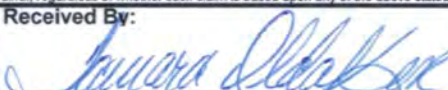
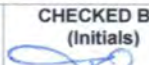
A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: NTUF		BILL TO		ANALYSIS REQUEST											
Project Manager: Becky Haspel		P.O. #:		<div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> TEL Chlorides BTEX </div> <div style="width: 65%;"></div> </div>											
Address: 209 W McKay St		Company:													
City: Carlsbad State: NM Zip: 88220		Attn:													
Phone #: 432-924-8056 Fax #:		Address:													
Project #: 259635 Project Owner: Sentry		City:													
Project Name: Goose Fenc		State: Zip:													
Project Location: Eddy		Phone #:													
Sampler Name: Tyler Kimball		Fax #:													
<div style="display: flex; justify-content: space-between;"> <div style="width: 10%;">FOR LAB USE ONLY</div> <div style="width: 20%;">Lab I.D. H257643</div> <div style="width: 20%;">Sample I.D. CS-1 CS-2 CS-3 CS-4 CS-5 CS-6 CS-7 CS-8 CS-9 CS-10</div> <div style="width: 10%;">(GRAB OR COMPOUND) # CONTAINERS 1</div> <div style="width: 10%;">MATRIX GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER: X</div> <div style="width: 10%;">PRESERV. ACID/BASE: ICE / COOL OTHER: ✓</div> <div style="width: 10%;">SAMPLING DATE 3-19 TIME 9:00</div> </div>															
<p>PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.</p>															
Relinquished By: 		Date: 3-20-25		Received By: 		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:		All Results are emailed. Please provide Email address:							
Relinquished By:		Date:		Received By:		REMARKS:									
Delivered By: (Circle One)		Observed Temp. °C 0.1		Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>		CHECKED BY: (Initials) 		Turnaround Time: Standard		<input checked="" type="checkbox"/> Bacteria (only) Sample Condition Cool Intact Observed Temp. °C Yes <input type="checkbox"/> No <input type="checkbox"/>		Corrected Temp. °C			
Sampler - UPS - Bus - Other:		Corrected Temp. °C 0.4						Thermometer ID #140 Correction Factor +0.3°C		Yes <input type="checkbox"/> No <input type="checkbox"/>					



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>NTUE</u>				BILL TO				ANALYSIS REQUEST														
Project Manager: <u>Becky Haskell</u>				P.O. #:				<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TEL</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Charles</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">BTEX</div> </div>														
Address: <u>209 W McKay St</u>				Company:																		
City: <u>Carlsbad</u> State: <u>NM</u> Zip: <u>88220</u>				Attn:																		
Phone #: <u>432-924-8056</u> Fax #:				Address:																		
Project #: <u>259635</u> Project Owner: <u>Sentry</u>				City:																		
Project Name: <u>Loose Franc</u>				State: Zip:																		
Project Location: <u>Eddy</u>				Phone #:																		
Sampler Name: <u>Tyler Kimball</u>				Fax #:																		
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING														
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME								
<u>H257643</u>	<u>CS-11</u>	<u>1</u>				<u>X</u>							<u>3-19</u>	<u>9:15</u>								
<u>11</u>	<u>CS-12</u>																					
<u>12</u>	<u>CS-13</u>																					
<u>13</u>	<u>CS-14</u>																					
<u>14</u>	<u>CS-15</u>																					
<u>15</u>	<u>CS-16</u>																					
<u>16</u>	<u>CS-17</u>																					
<u>17</u>	<u>CS-18</u>																					
<u>18</u>	<u>CS-19</u>																					
<u>19</u>	<u>CS-20</u>																					
<u>20</u>																						

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Relinquished By: <u>[Signature]</u>	Date: <u>3-20-25</u>	Received By: <u>[Signature]</u>	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
	Time: <u>11:10</u>		All Results are emailed. Please provide Email address:
Relinquished By:	Date:	Received By:	REMARKS:
	Time:		
Delivered By: (Circle One)	Observed Temp. °C <u>0.1</u>	Sample Condition	Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>
Sampler - UPS - Bus - Other:	Corrected Temp. °C <u>0.4</u>	Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No	Bacteria (only) Sample Condition
		CHECKED BY: (Initials) <u>20</u>	Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No
			Observed Temp. °C
			Corrected Temp. °C

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>NTUE</u>				BILL TO				ANALYSIS REQUEST														
Project Manager: <u>Becky Haspel</u>				P.O. #:				<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TRIT</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Chlorides</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">BTEX</div> </div>														
Address: <u>209 W McKay St</u>				Company:																		
City: <u>Carlsbad</u> State: <u>Nm</u> Zip: <u>88220</u>				Attn:																		
Phone #: <u>432924-8056</u> Fax #:				Address:																		
Project #: <u>259635</u> Project Owner: <u>Sentry</u>				City:																		
Project Name: <u>Loose Franc</u>				State: Zip:																		
Project Location: <u>Eddy</u>				Phone #:																		
Sampler Name: <u>Tyler Kimball</u>				Fax #:																		
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING														
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER	DATE	TIME								
<u>H25643</u>	<u>CS-21</u>	<u>C</u>	<u>1</u>			<u>X</u>							<u>3-19</u>	<u>9:30</u>								
<u>21</u>	<u>CS-22</u>																					
<u>22</u>	<u>CS-23</u>																					
<u>23</u>	<u>CS-24</u>																					
<u>24</u>	<u>CS-25</u>																					
<u>25</u>	<u>CS-26</u>																					
<u>26</u>	<u>CS-27</u>																					
<u>27</u>	<u>CS-28</u>																					
<u>28</u>	<u>CS-29</u>																					
<u>29</u>	<u>CS-30</u>																					
<u>30</u>																						

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Relinquished By: <u>[Signature]</u>	Date: <u>3-20-25</u>	Received By: <u>[Signature]</u>	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
Relinquished By:	Date:	Received By:	All Results are emailed. Please provide Email address:
Relinquished By:	Date:	Received By:	REMARKS:
Relinquished By:	Date:	Received By:	REMARKS:
Delivered By: (Circle One)	Observed Temp. °C <u>0.1</u>	Sample Condition	Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>
Sampler - UPS - Bus - Other:	Corrected Temp. °C <u>0.4</u>	<input checked="" type="checkbox"/> Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No	Bacteria (only) Sample Condition <input type="checkbox"/> Cool <input type="checkbox"/> Intact Observed Temp. °C <input type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No Corrected Temp. °C
CHECKED BY: (Initials) <u>[Signature]</u>		Thermometer ID #140 Correction Factor +0.3°C	

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>NTUE</u>				BILL TO				ANALYSIS REQUEST													
Project Manager: <u>Becky Haskeel</u>				P.O. #:																	
Address: <u>209 W McKay St</u>				Company:																	
City: <u>Carlsbad</u> State: <u>Nm</u> Zip: <u>88220</u>				Attn:																	
Phone #: <u>432-924-8056</u> Fax #:				Address:																	
Project #: <u>259635</u> Project Owner: <u>Sentry</u>				City:																	
Project Name: <u>Loose Fmc</u>				State: Zip:																	
Project Location: <u>Eddy</u>				Phone #:																	
Sampler Name: <u>Tyler Kimball</u>				Fax #:																	
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING													
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME							
<u>H251643</u>													<u>3-19</u>	<u>9:45</u>							
<u>31</u>	<u>CS-31</u>	<u>1</u>	<u>1</u>			<u>X</u>															
<u>32</u>	<u>CS-32</u>																				
<u>33</u>	<u>SW-1</u>																				
<u>34</u>	<u>SW-2</u>																				
<u>35</u>	<u>SW-3</u>																				
<u>36</u>	<u>SW-4</u>																				
<u>37</u>	<u>SW-5</u>																				
<u>38</u>	<u>SW-6</u>																				
<u>39</u>	<u>SW-7</u>																				

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Relinquished By: <u>[Signature]</u>	Date: <u>3-20-25</u>	Received By: <u>[Signature]</u>	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
Relinquished By:	Date: <u>11-10</u>	Received By:	All Results are emailed. Please provide Email address:
Relinquished By:	Date:	Received By:	REMARKS:
Relinquished By:	Date:	Received By:	REMARKS:
Delivered By: (Circle One)	Observed Temp. °C <u>0.1</u>	Sample Condition <u>Cool</u>	Turnaround Time: <u>Standard</u> <input checked="" type="checkbox"/> <u>Rush</u> <input type="checkbox"/>
Sampler - UPS - Bus - Other:	Corrected Temp. °C <u>0.4</u>	Checked By: (Initials) <u>[Signature]</u>	Bacteria (only) Sample Condition <u>Cool</u>
			Thermometer ID #140
			Correction Factor +0.3°C
			Observed Temp. °C
			Corrected Temp. °C

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

April 01, 2025

BECKY HASKELL

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: GOOSE FRAC

Enclosed are the results of analyses for samples received by the laboratory on 03/26/25 14:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL
 BECKY HASKELL
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	03/26/2025	Sampling Date:	03/26/2025
Reported:	04/01/2025	Sampling Type:	Soil
Project Name:	GOOSE FRAC	Sampling Condition:	Cool & Intact
Project Number:	259635	Sample Received By:	Shalyn Rodriguez
Project Location:	SENTRY - EDDY CO., NM		

Sample ID: CS - 69 (H251781-01)

BTX 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/30/2025	ND	2.45	122	2.00	1.33	
Toluene*	<0.050	0.050	03/30/2025	ND	2.79	139	2.00	4.06	
Ethylbenzene*	<0.050	0.050	03/30/2025	ND	3.03	152	2.00	4.53	
Total Xylenes*	<0.150	0.150	03/30/2025	ND	9.62	160	6.00	4.01	
Total BTX	<0.300	0.300	03/30/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 137 % 71.5-134

Chloride, SM4500Cl-B			mg/kg					Analyzed By: AC	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	03/29/2025	ND	416	104	400	0.00	

TPH 8015M			mg/kg					Analyzed By: MS	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/27/2025	ND	201	100	200	0.181	
DRO >C10-C28*	<10.0	10.0	03/27/2025	ND	195	97.4	200	0.866	
EXT DRO >C28-C36	<10.0	10.0	03/27/2025	ND					

Surrogate: 1-Chlorooctane 77.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 73.2 % 40.6-153

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 BECKY HASKELL
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	03/26/2025	Sampling Date:	03/26/2025
Reported:	04/01/2025	Sampling Type:	Soil
Project Name:	GOOSE FRAC	Sampling Condition:	Cool & Intact
Project Number:	259635	Sample Received By:	Shalyn Rodriguez
Project Location:	SENTRY - EDDY CO., NM		

Sample ID: CS - 82 (H251781-02)

BTEx 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/30/2025	ND	2.45	122	2.00	1.33	
Toluene*	<0.050	0.050	03/30/2025	ND	2.79	139	2.00	4.06	
Ethylbenzene*	<0.050	0.050	03/30/2025	ND	3.03	152	2.00	4.53	
Total Xylenes*	<0.150	0.150	03/30/2025	ND	9.62	160	6.00	4.01	
Total BTEX	<0.300	0.300	03/30/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 150 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	03/29/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/27/2025	ND	201	100	200	0.181	
DRO >C10-C28*	<10.0	10.0	03/27/2025	ND	195	97.4	200	0.866	
EXT DRO >C28-C36	<10.0	10.0	03/27/2025	ND					

Surrogate: 1-Chlorooctane 81.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 77.0 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 BECKY HASKELL
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	03/26/2025	Sampling Date:	03/26/2025
Reported:	04/01/2025	Sampling Type:	Soil
Project Name:	GOOSE FRAC	Sampling Condition:	Cool & Intact
Project Number:	259635	Sample Received By:	Shalyn Rodriguez
Project Location:	SENTRY - EDDY CO., NM		

Sample ID: CS - 83 (H251781-03)

BTEx 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/30/2025	ND	2.45	122	2.00	1.33	
Toluene*	<0.050	0.050	03/30/2025	ND	2.79	139	2.00	4.06	
Ethylbenzene*	<0.050	0.050	03/30/2025	ND	3.03	152	2.00	4.53	
Total Xylenes*	<0.150	0.150	03/30/2025	ND	9.62	160	6.00	4.01	
Total BTEX	<0.300	0.300	03/30/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 135 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	03/29/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/27/2025	ND	201	100	200	0.181	
DRO >C10-C28*	<10.0	10.0	03/27/2025	ND	195	97.4	200	0.866	
EXT DRO >C28-C36	<10.0	10.0	03/27/2025	ND					

Surrogate: 1-Chlorooctane 81.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 77.0 % 40.6-153

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 BECKY HASKELL
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 03/26/2025
 Reported: 04/01/2025
 Project Name: GOOSE FRAC
 Project Number: 259635
 Project Location: SENTRY - EDDY CO., NM

Sampling Date: 03/26/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 84 (H251781-04)

BTX 8021B		mg/kg	Analyzed By: JH					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/30/2025	ND	2.45	122	2.00	1.33	
Toluene*	<0.050	0.050	03/30/2025	ND	2.79	139	2.00	4.06	
Ethylbenzene*	<0.050	0.050	03/30/2025	ND	3.03	152	2.00	4.53	
Total Xylenes*	<0.150	0.150	03/30/2025	ND	9.62	160	6.00	4.01	
Total BTX	<0.300	0.300	03/30/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 144 % 71.5-134

Chloride, SM4500CI-B		mg/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	03/29/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/27/2025	ND	201	100	200	0.181	
DRO >C10-C28*	13.4	10.0	03/27/2025	ND	195	97.4	200	0.866	
EXT DRO >C28-C36	<10.0	10.0	03/27/2025	ND					

Surrogate: 1-Chlorooctane 80.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 76.3 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL
 BECKY HASKELL
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	03/26/2025	Sampling Date:	03/26/2025
Reported:	04/01/2025	Sampling Type:	Soil
Project Name:	GOOSE FRAC	Sampling Condition:	Cool & Intact
Project Number:	259635	Sample Received By:	Shalyn Rodriguez
Project Location:	SENTRY - EDDY CO., NM		

Sample ID: CS - 87 (H251781-05)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/30/2025	ND	2.45	122	2.00	1.33		
Toluene*	<0.050	0.050	03/30/2025	ND	2.79	139	2.00	4.06		
Ethylbenzene*	<0.050	0.050	03/30/2025	ND	3.03	152	2.00	4.53		
Total Xylenes*	<0.150	0.150	03/30/2025	ND	9.62	160	6.00	4.01		
Total BTEx	<0.300	0.300	03/30/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 132 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	480	16.0	03/29/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/27/2025	ND	201	100	200	0.181	
DRO >C10-C28*	<10.0	10.0	03/27/2025	ND	195	97.4	200	0.866	
EXT DRO >C28-C36	<10.0	10.0	03/27/2025	ND					

Surrogate: 1-Chlorooctane 70.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 65.5 % 40.6-153

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PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL
 BECKY HASKELL
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 03/26/2025
 Reported: 04/01/2025
 Project Name: GOOSE FRAC
 Project Number: 259635
 Project Location: SENTRY - EDDY CO., NM

Sampling Date: 03/26/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 88 (H251781-06)

BTX 8021B		mg/kg		Analyzed By: JH				S-04		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/30/2025	ND	2.45	122	2.00	1.33		
Toluene*	<0.050	0.050	03/30/2025	ND	2.79	139	2.00	4.06		
Ethylbenzene*	<0.050	0.050	03/30/2025	ND	3.03	152	2.00	4.53		
Total Xylenes*	<0.150	0.150	03/30/2025	ND	9.62	160	6.00	4.01		
Total BTX	<0.300	0.300	03/30/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 135 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	416	16.0	03/29/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/27/2025	ND	201	100	200	0.181	
DRO >C10-C28*	<10.0	10.0	03/27/2025	ND	195	97.4	200	0.866	
EXT DRO >C28-C36	<10.0	10.0	03/27/2025	ND					

Surrogate: 1-Chlorooctane 73.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 69.1 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
BS1	Blank spike recovery above laboratory acceptance criteria. Results for analyte potentially biased high.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: NTUE				BILL TO		ANALYSIS REQUEST										
Project Manager: Becky Haskell				P.O. #:												
Address: 200 W McKay				Company:												
City: Carlsbad State: Nm Zip: 88220				Attn:												
Phone #: 437-924-8056 Fax #:				Address:												
Project #: Q59635 Project Owner: Sentry				City:												
Project Name: Goose Franc				State: Zip:												
Project Location: Eddy				Phone #:												
Sampler Name: Tyler Kamball				Fax #:												
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING								
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME		
H2S1781						X					/		3-26	10:00		
1	CS-69	1	1													
2	CS-62	1	1													
3	CS-83	1	1													
4	CS-84	1	1													
5	CS-87	1	1													
6	CS-88	1	1													
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Relinquished By: <i>[Signature]</i>		Date: <i>3-26-25</i>		Received By: <i>[Signature]</i>		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
Time: <i>2:30</i>						All Results are emailed. Please provide Email address:	
Relinquished By:		Date:		Received By:		REMARKS:	
		Time:					
Delivered By: (Circle One)		Observed Temp. °C <i>1.7c</i>		Sample Condition		CHECKED BY: (Initials) <i>[Signature]</i>	
Sampler - UPS - Bus - Other:		Corrected Temp. °C <i>2.0c</i>		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No		Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>	
FORM-006 R 3.0 02/12/23						Bacteria (only) Sample Condition Cool Intact Observed Temp. °C <input type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No Corrected Temp. °C	
						Thermometer ID #140 Correction Factor +0.3°C	

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



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

April 07, 2025

BECKY HASKELL

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: GOOSE FRAC

Enclosed are the results of analyses for samples received by the laboratory on 04/01/25 11:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL
 BECKY HASKELL
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	04/01/2025	Sampling Date:	04/01/2025
Reported:	04/07/2025	Sampling Type:	Soil
Project Name:	GOOSE FRAC	Sampling Condition:	Cool & Intact
Project Number:	259635	Sample Received By:	Shalyn Rodriguez
Project Location:	SENTRY - EDDY CO., NM		

Sample ID: V - 6 2' - 2.5' (H251911-01)

BTX 8021B			mg/kg		Analyzed By: JH				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/02/2025	ND	1.97	98.4	2.00	4.78	
Toluene*	<0.050	0.050	04/02/2025	ND	2.03	102	2.00	3.34	
Ethylbenzene*	<0.050	0.050	04/02/2025	ND	2.30	115	2.00	2.60	
Total Xylenes*	<0.150	0.150	04/02/2025	ND	7.04	117	6.00	2.48	
Total BTX	<0.300	0.300	04/02/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

Chloride, SM4500Cl-B			mg/kg		Analyzed By: CT				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	04/01/2025	ND	432	108	400	0.00	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/01/2025	ND	207	104	200	0.508	
DRO >C10-C28*	<10.0	10.0	04/01/2025	ND	201	100	200	1.89	
EXT DRO >C28-C36	<10.0	10.0	04/01/2025	ND					

Surrogate: 1-Chlorooctane 63.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 56.7 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



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(575) 393-2326 FAX (575) 393-2476

Page 1 of 1

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 4 of 4

Company Name: <u>NTUE</u>				BILL TO				ANALYSIS REQUEST																					
Project Manager: <u>Benny Haskel</u>				P.O. #:																									
Address: <u>209 W McHarg</u>				Company:																									
City: <u>Carlsbad</u> State: <u>NM</u> Zip: <u>88220</u>				Attn: <u>-</u>																									
Phone #: <u>432-924-8056</u> Fax #:				Address:																									
Project #: <u>259635</u> Project Owner: <u>Sentry</u>				City:																									
Project Name: <u>Geose Frac</u>				State: Zip:																									
Project Location: <u>Eddy</u>				Phone #:																									
Sampler Name: <u>Tyler Kumbali</u>				Fax #:																									
FOR LAB USE ONLY		Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		MATRIX				PRESERV.		SAMPLING													
										GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER :				ACID/BASE: ICE / COOL OTHER :		DATE TIME													
		<u>H251911</u>		<u>V-6 2-2.5'</u>		<u>61</u>				<u>X</u>				<u>X</u>		<u>4-1 10:00</u>		<u>TPH</u> <u>chlorides</u> <u>BTEX</u>											

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Relinquished By: <u>[Signature]</u>		Date: <u>4-1-25</u>		Received By: <u>[Signature]</u>		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
Relinquished By:		Time: <u>11:00</u>		Received By:		All Results are emailed. Please provide Email address:	
Date:		Time:		Date:		REMARKS:	
Delivered By: (Circle One)		Observed Temp. °C <u>0.7</u>		Sample Condition		Turnaround Time: <u>Standard</u> <input checked="" type="checkbox"/> <u>Rush</u> <input type="checkbox"/>	
Sampler - UPS - Bus - Other:		Corrected Temp. °C <u>1.0</u>		Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No		Bacteria (only) Sample Condition	
				CHECKED BY: (Initials) <u>SR</u>		Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No	
						Observed Temp. °C	
						Corrected Temp. °C	

FORM-006 R 3.0 02/12/23

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

April 07, 2025

BECKY HASKELL

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: GOOSE FRAC

Enclosed are the results of analyses for samples received by the laboratory on 04/01/25 11:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL
 BECKY HASKELL
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received:	04/01/2025	Sampling Date:	04/01/2025
Reported:	04/07/2025	Sampling Type:	Soil
Project Name:	GOOSE FRAC	Sampling Condition:	Cool & Intact
Project Number:	259635	Sample Received By:	Shalyn Rodriguez
Project Location:	SENTRY - EDDY CO., NM		

Sample ID: PPA - 1 (H251912-01)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/02/2025	ND	1.97	98.4	2.00	4.78		
Toluene*	<0.050	0.050	04/02/2025	ND	2.03	102	2.00	3.34		
Ethylbenzene*	<0.050	0.050	04/02/2025	ND	2.30	115	2.00	2.60		
Total Xylenes*	<0.150	0.150	04/02/2025	ND	7.04	117	6.00	2.48		
Total BTX	<0.300	0.300	04/02/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 122 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	04/01/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/01/2025	ND	207	104	200	0.508	
DRO >C10-C28*	<10.0	10.0	04/01/2025	ND	201	100	200	1.89	
EXT DRO >C28-C36	<10.0	10.0	04/01/2025	ND					

Surrogate: 1-Chlorooctane 81.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 71.6 % 40.6-153

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL
 BECKY HASKELL
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/01/2025
 Reported: 04/07/2025
 Project Name: GOOSE FRAC
 Project Number: 259635
 Project Location: SENTRY - EDDY CO., NM

Sampling Date: 04/01/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: PPA - 2 (H251912-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/02/2025	ND	1.97	98.4	2.00	4.78		
Toluene*	<0.050	0.050	04/02/2025	ND	2.03	102	2.00	3.34		
Ethylbenzene*	<0.050	0.050	04/02/2025	ND	2.30	115	2.00	2.60		
Total Xylenes*	<0.150	0.150	04/02/2025	ND	7.04	117	6.00	2.48		
Total BTEx	<0.300	0.300	04/02/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	04/01/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/01/2025	ND	207	104	200	0.508	
DRO >C10-C28*	<10.0	10.0	04/01/2025	ND	201	100	200	1.89	
EXT DRO >C28-C36	<10.0	10.0	04/01/2025	ND					

Surrogate: 1-Chlorooctane 89.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 83.5 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL
 BECKY HASKELL
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/01/2025
 Reported: 04/07/2025
 Project Name: GOOSE FRAC
 Project Number: 259635
 Project Location: SENTRY - EDDY CO., NM

Sampling Date: 04/01/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: PPB - 1 (H251912-03)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/02/2025	ND	1.97	98.4	2.00	4.78		
Toluene*	<0.050	0.050	04/02/2025	ND	2.03	102	2.00	3.34		
Ethylbenzene*	<0.050	0.050	04/02/2025	ND	2.30	115	2.00	2.60		
Total Xylenes*	<0.150	0.150	04/02/2025	ND	7.04	117	6.00	2.48		
Total BTX	<0.300	0.300	04/02/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 120 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1060	16.0	04/01/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/01/2025	ND	207	104	200	0.508	
DRO >C10-C28*	<10.0	10.0	04/01/2025	ND	201	100	200	1.89	
EXT DRO >C28-C36	<10.0	10.0	04/01/2025	ND					

Surrogate: 1-Chlorooctane 71.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 67.0 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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*=Accredited Analyte

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A handwritten signature in cursive script, appearing to read "Celey D. Keene", written in black ink.

Celey D. Keene, Lab Director/Quality Manager

Page 1 of 1



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 6 of 6

Company Name: <u>NAGE</u>				BILL TO				ANALYSIS REQUEST																																			
Project Manager: <u>Becky Hoskel</u>				P.O. #:				<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">PIT</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Chlorides</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">BTEX</div> </div>																																			
Address: <u>209 W McKay</u>				Company:																																							
City: <u>Las Alamos</u> State: <u>NM</u> Zip: <u>88220</u>				Attn:																																							
Phone #: <u>432 924-8056</u> Fax #:				Address:																																							
Project #: <u>259635</u> Project Owner: <u>Sentry</u>				City:																																							
Project Name: <u>Goose Frac</u>				State: Zip:																																							
Project Location: <u>Eddy</u>				Phone #:																																							
Sampler Name: <u>Tyler Humball</u>				Fax #:																																							
FOR LAB USE ONLY		Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		MATRIX		PRESERV.		SAMPLING																													
										GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER:		ACID/BASE:		ICE / COOL		OTHER:		DATE		TIME													
		<u>H05912</u>		<u>PPA-1</u>		<u>6</u>		<u>1</u>						<u>X</u>												<u>4-1</u>		<u>10:00</u>															
		<u>1</u>		<u>PPA-2</u>		<u>1</u>		<u>1</u>						<u>1</u>												<u>1</u>		<u>1</u>															
		<u>2</u>																																									
		<u>3</u>		<u>PPB-1</u>																																							

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Relinquished By: <u>[Signature]</u>		Date: <u>4-1-25</u>		Received By: <u>[Signature]</u>		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
Time: <u>11:00</u>		Time: <u>11:00</u>		Time: <u>11:00</u>		All Results are emailed. Please provide Email address:	
Relinquished By:		Date:		Received By:		REMARKS:	
Time:		Time:		Time:		Turnaround Time: <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush	
Delivered By: (Circle One)		Observed Temp. °C <u>0-7</u>		Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Bacteria (only) Sample Condition Cool Intact Observed Temp. °C <input type="checkbox"/> Yes <input type="checkbox"/> No	
Sampler - UPS - Bus - Other:		Corrected Temp. °C <u>1.0</u>		CHECKED BY: (Initials) <u>SK</u>		Thermometer ID #140 Correction Factor +0.3°C	

FORM-000 R 3.0 02/12/23

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

EMAIL ROW CORRESPONDENCE



Becky Haskell

From: Jeff Kindley
Sent: Tuesday, March 11, 2025 3:51 PM
To: JD Rodrigues; jbroom@mewbourne.com; cwalker@mewbourne.com
Cc: Becky Haskell; Ethan Sessums
Subject: FW: release Well Spring Goose Frac Temp Booster

Everyone,

The following is the Eddy County ROW departments response to our proposed excavation on their ROW off CR748.

I have not been able to get Xcel Energy at this time, but am working on it.

Thanks,

Jeff Kindley, P.G.

Senior Project Manager/Geologist | **NTG Environmental**

M: 432-230-0920 | jkindley@ntglobal.com

[701 Tradewinds Blvd, Suite C](#)

[Midland, TX 79706](#)



From: Rebecca Van Curen <rvancuren@co.eddy.nm.us>

Sent: Tuesday, March 11, 2025 3:25 PM

To: Jeff Kindley <jkindley@ntglobal.com>

Subject: release

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or clicking links, especially from unknown senders.

Good afternoon,

I drove up and down CR 748 and up and down both sides of bounds rd. I never saw a spill or discolor of anything on CR 748 which is old Cavern rd. there for if there is a dig that needs to be performed , I'm asking to wait till we have construction on the existing road to keep from causing any further damage to a fairly new pavement. If there is no, eye sighting nor smell than I find it not a rush to continue with the clean up with in the County Right of Way. I also physically walked Old Cavern with the coordinates that was provided to me . If you have any question feel to give me a call.

Thank you and have a great day,
Becky Van Curen

Eddy County Right of Way Technician

410 E. Derrick Rd
Carlsbad, NM 88220

or

2611 S 13th Street
Artesia, NM 88210

Office Phone: 575-885-4835

rvancuren@co.eddy.nm.us

cell # **575-361-0700**

NMOCD EXTENSION REQUEST APPROVAL



Becky Haskell

From: Jeff Broom <jbroom@mewbourne.com>
Sent: Tuesday, March 18, 2025 3:49 PM
To: Becky Haskell; Connor Walker
Subject: Fw: [EXT] Re: [EXTERNAL] nAPP2429951763 - Wellspring Goose Frac Temp Booster - Extension Request

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or clicking links, especially from unknown senders.

The extension request for the Wellspring Goose Frac Temp Booster was approved by Nelson Velez on January 7. I am forwarding this communication to you for your records and for the closure report. Extension was approved with an updated due date of April 14, 2025.

Get [Outlook for iOS](#)

From: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Sent: Tuesday, January 7, 2025 11:14 AM
To: Ben Arguijo <bena@etechenv.com>
Cc: Lance Crenshaw <lance@etechenv.com>; Jeff Broom <jbroom@mewbourne.com>; Connor Walker <cwalker@mewbourne.com>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Subject: [EXT] Re: [EXTERNAL] nAPP2429951763 - Wellspring Goose Frac Temp Booster - Extension Request

Ben,

My apology, I forgot to include the following in the last email transmittal;

Please keep a copy of this communication for inclusion within the appropriate report submittal.

The OCD requires a copy of all correspondence relative to remedial activities be included in all proposals and/or final closure reports. Correspondence required to be included in reports may include, but not limited to, notifications for liner inspections, sample events, spill/release/fire, and request for time extensions or variances.

Regards,

Nelson Velez • Environmental Specialist - Adv
Environmental Bureau | EMNRD - Oil Conservation Division
1000 Rio Brazos Road | Aztec, NM 87410
(505) 469-6146 | nelson.velez@emnrd.nm.gov
<http://www.emnrd.nm.gov/oed>



From: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>

Sent: Tuesday, January 7, 2025 11:07 AM

To: Ben Arguijo <bena@etechenv.com>

Cc: Lance Crenshaw <lance@etechenv.com>; jbroom@mewbourne.com <jbroom@mewbourne.com>; Connor Walker <cwalker@mewbourne.com>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>

Subject: Re: [EXTERNAL] nAPP2429951763 - Wellspring Goose Frac Temp Booster - Extension Request

Good morning Ben,

Thank you for the inquiry and in talking with me yesterday afternoon.

Your 90-day time extension is approved. Remediation Due has been updated to April 14, 2025.

Your request for 90-business days is not how the State conducts its timeline, rather by the State Codes and Statutes (N.M. Stat. § 12-2A-7); hence, the April 14th deadline. 19.15.29 NMAC allows the Division to use its discretion to approve or deny a time extension request.

An insurance claim cannot be used as a good cause/justification unless it provides, at a minimum, an estimation on when a determination may be reached. Regardless of this determination, the responsibility party must meet or remain compliant with 19.15.29 NMAC.

If you have any questions or concerns, please contact me at your convenience.

Have a safe and productive day!

Regards,

Nelson Velez • Environmental Specialist - Adv
Environmental Bureau | EMNRD - Oil Conservation Division
1000 Rio Brazos Road | Aztec, NM 87410
(505) 469-6146 | nelson.velez@emnrd.nm.gov
<http://www.emnrd.nm.gov/ocd>



From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Friday, January 3, 2025 3:48 PM
To: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Subject: FW: [EXTERNAL] nAPP2429951763 - Wellspring Goose Frac Temp Booster - Extension Request

From: Ben Arguijo <bena@etechenv.com>
Sent: Friday, January 3, 2025 3:41 PM
To: ocd.environmental@state.nm.us; Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Lance Crenshaw <lance@etechenv.com>; Jeff Broom <jbroom@mewbourne.com>; Connor Walker <cwalker@mewbourne.com>
Subject: [EXTERNAL] nAPP2429951763 - Wellspring Goose Frac Temp Booster - Extension Request

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

Dear NMOCD Environmental Bureau,

Mewbourne Oil Company (Mewbourne) has recently contracted Etech Environmental & Safety Solutions, Inc. (Etech), to conduct remediation activities for the release known as the Wellspring Goose Frac Temp Booster (NMOCD Incident #nAPP2429951763) located in Eddy County. Pursuant to NMOCD regulations, a work plan or closure report is due for the release by January 13, 2025.

The release was caused by a third party, and work at the site has been delayed, pending resolution of an ongoing insurance claim. In consideration of this, Etech, on behalf of Mewbourne, respectfully requests a 90-business-day extension until May 19, 2025, in order to allow time for the insurance claim to be resolved and to give Etech time afterward to conduct a site assessment, delineate the release, and devise an appropriate remediation strategy to advance the site to an NMOCD-approved closure.

If you have any questions or need any additional information, please do not hesitate to contact me or Lance Crenshaw.

Thank you for your time and consideration.

Respectfully,
Ben J. Arguijo

Ben J. Arguijo
Project Manager



6309 Indiana Ave., Ste. D
Lubbock, TX 79413
(432) 813-1592

BIOLOGICAL REVIEW REPORT





209 W McKay St
Carlsbad, New Mexico 88220
Tel. 432.701.2159
www.ntgenvironmental.com

March 26, 2025

Becky Haskell
Environmental Manager
701 Tradewinds Blvd, Suite C
Midland, TX 79706

**Re: Biological Review
Wellspring Goose Frac Temp Booster
Mewbourne Oil Company
Site Location: Unit G, S29, T23S, R27E
32.28029, -104.22029
Eddy County, New Mexico**

Ms. Becky Haskell,

On behalf of Mewbourne Oil Company (Mewbourne), New Tech Global Environmental, LLC (NTGE) has prepared this letter to document a review of potential biological resources at the Wellspring Goose Frac Temp Booster (Site) for submittal to the New Mexico State Land Office (NMSLO). The Site is located in Unit Letter G, Section 29, of Township 23 South and Range 27 East in Eddy County, New Mexico.

Special Status Plant Species

On March 25, 2025, NTGE completed a desktop review of potential habitat of Special Status Plant Species (SSPS) within the vicinity of the Site. SSPS of concern included Allred's Flax, Gypsum milkvetch, Gypsum wild buckwheat, Kuenzler's hedgehog cactus, Lee's pincushion cactus, Scheer's beehive cactus, Tharp's blue-star, and Wright's waterwillow. The Site is located entirely within Scheer's Beehive Cactus potential habitat. The habitat can be seen on Figure 1.

Wildlife Habitat

On March 25, 2025 NTGE completed a desktop review of sensitive wildlife habitat within the vicinity of the Site. The Wildlife habitat of concern included Dunes sagebrush lizard and Lesser prairie chicken. The desktop review included considerations such as habitat, core management area, habitat evaluation area, isolated population area, primary population area, and sparse and scattered population area. The nearest potential habitat zone is approximately 23 miles away from the Site. Wildlife habitat zones can be seen on Figure 2.

Migratory Species

On March 25, 2025, NTGE completed a desktop review of migratory species that have the potential to be present and breeding within the vicinity of the Site. Species of consideration included Monarch butterfly, Broad-tailed hummingbird, Chimney Swift, Ferruginous hawk, Golden eagle, Long-billed curlew, and Northern harrier. It was found that migratory species have a probability of presence or breeding within the vicinity of the Site January through March.

Ms. Becky Haskell
March 26, 2025
Page 2 of 2

Water Resources

On March 25, 2025, NTGE completed a desktop review of surface water resources within the vicinity of the Site. It was found that a Riverine (R4SB7A) is mapped approximately 0.07 miles (110 meters) northwest of the Site and a Freshwater Emergent Wetland (PEM1J) is mapped approximately 0.12 miles (193 meters) southeast of the Site. Surface water resources can be seen in Figure 3.

Karst Resources

On March 25, 2025, NTGE completed a desktop review of potential Karst resources within the vicinity of the Site. There is a High potential of Karst resources within and surrounding the Site. The Karst potential map can be seen in Figure 4.

If you have any questions regarding this report or need additional information, please contact us at 432-701-2159.

Sincerely,
NTG Environmental

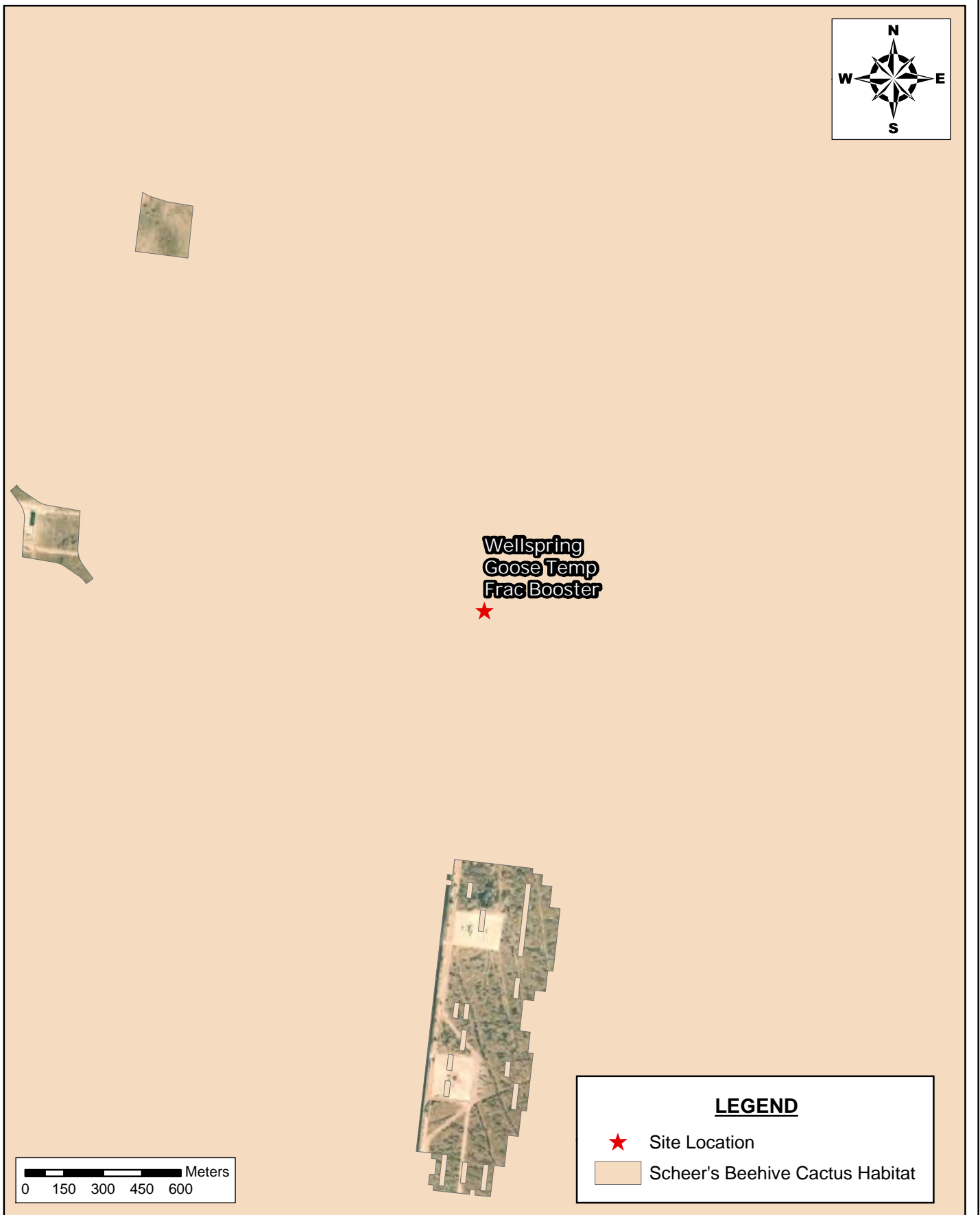


Jillian Smiley
Jr. Project Manager - Botanist

Attachments:

Figures

FIGURES



Document Path: C:\Users\ntg\gis\Desktop\Entire Data Schema.mxd

**SSPS POTENTIAL HABITAT MAP
BIOLOGICAL REVIEW
WELLSPRING GOOSE TEMP FRAC BOOSTER
MEWBOURNE OIL COMPANY
EDDY COUNTY, NEW MEXICO**



New Tech Global Environmental, LLC
911 Regional Park Drive
Houston, Texas 77060
T - 281.872.9300
F - 281.872.4521
Web: www.ntgenviroinmental.com

NOTES:

1. Base Image: ESRI Maps & Data 2017
2. Map Projection: NAD 1983

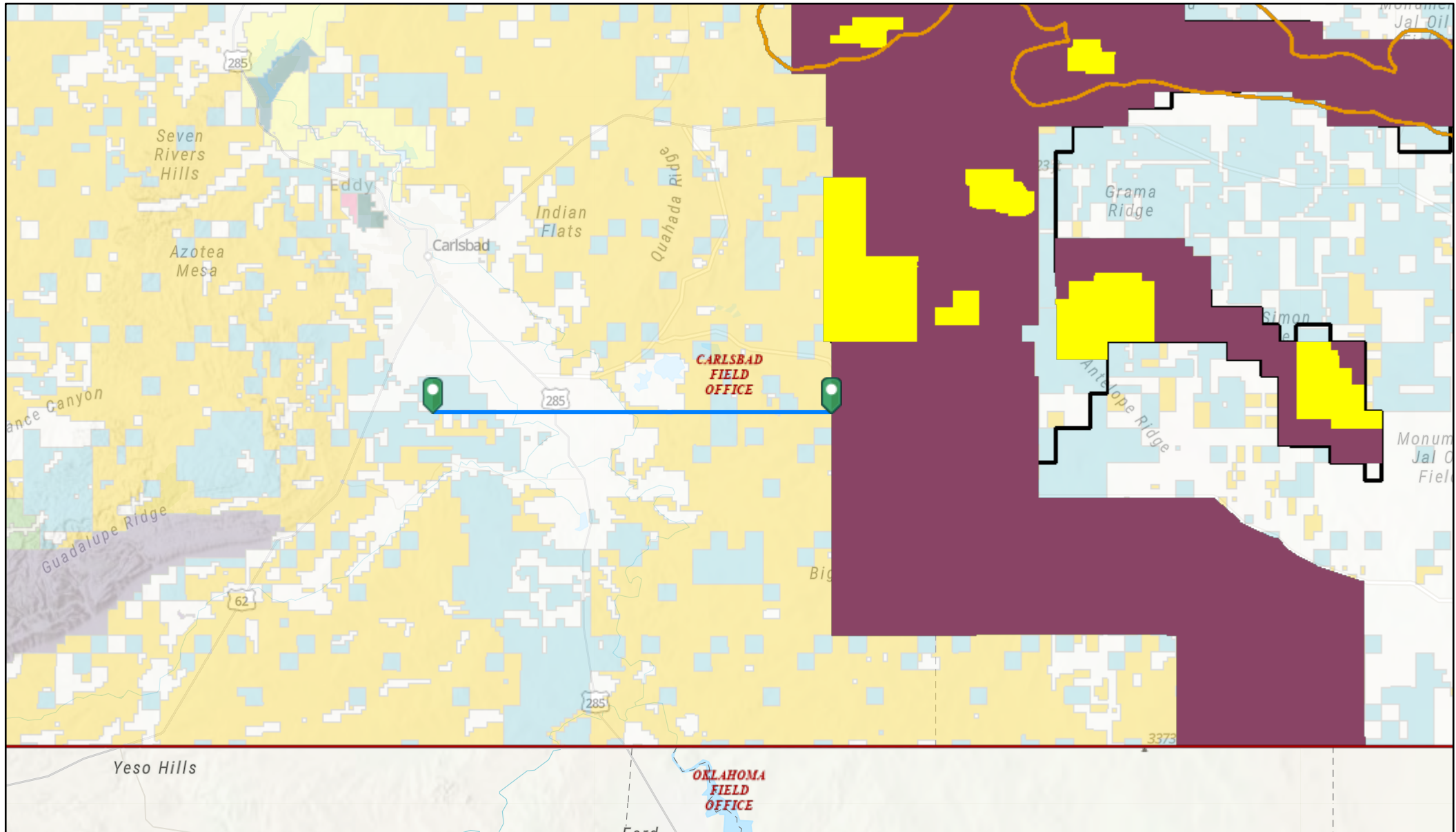
DRAWING NUMBER:

FIGURE 1

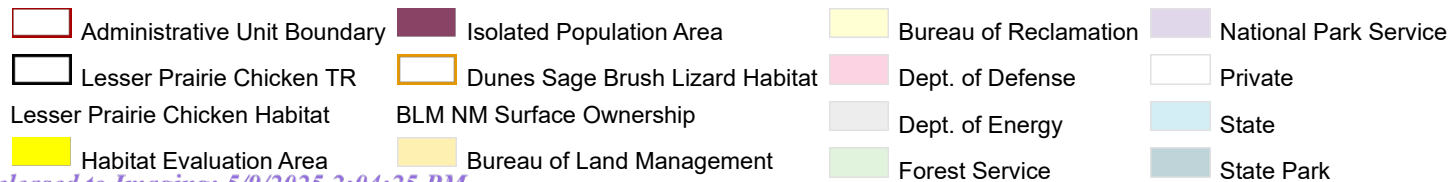
SHEET NUMBER:

1 of 1

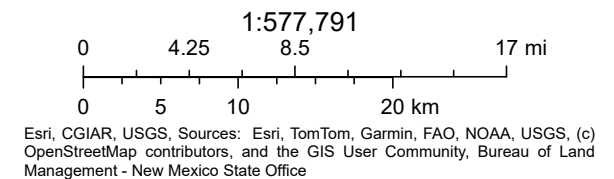
Protected Wildlife Habitat Map



3/25/2025, 4:43:35 PM



Released to Imaging: 5/9/2025 2:04:25 PM



Legend

☒ All Layers On/Off
All Layer Transparency

▼ NM Wetlands Mapping and Classification

NM Wetlands Mapping and Classification

☒ Mapping Status

- ☒ In Progress (Only NWI)
- ☐ Not Mapped

☐ Riparian Habitat

☐ Hydrogeomorphic Mapping (HGM) Linears

☐ Hydrogeomorphic Mapping (HGM) Polygons

☐ Landscape Position and Water Body (LLWW) Linears

☐ Landscape Position and Water Body (LLWW) Polygons

☐ Landform (LLWW)

☒ NWI Linears

- Palustrine Emergent (PEM)
- Palustrine Forested (PFO)
- Palustrine Rock Bottom (PRB)
- Palustrine Scrub Shrub (PSS)
- Palustrine Unconsolidated (PUB, PUS)
- Riverine (R2, R3, R4)

☒ NWI Polygons

- Lacustrine (L1, L2)
- Palustrine Aquatic Bed (PAB)
- Palustrine Emergent (PEM)
- Palustrine Forested (PFO)
- Palustrine Rock Bottom (PRB)
- Palustrine Scrub Shrub (PSS)
- Palustrine Unconsolidated (PUB, PUS)
- Riverine (R2, R3, R4)

☐ Aquatic Invertebrate Habitat (AIH) Linears

☐ Aquatic Invertebrate Habitat (AIH) Polygons

☐ Bank and Shoreline Stabilization (BSS) Linears

☐ Bank and Shoreline Stabilization (BSS) Polygons

☐ Carbon Sequestration (CAR) Linears

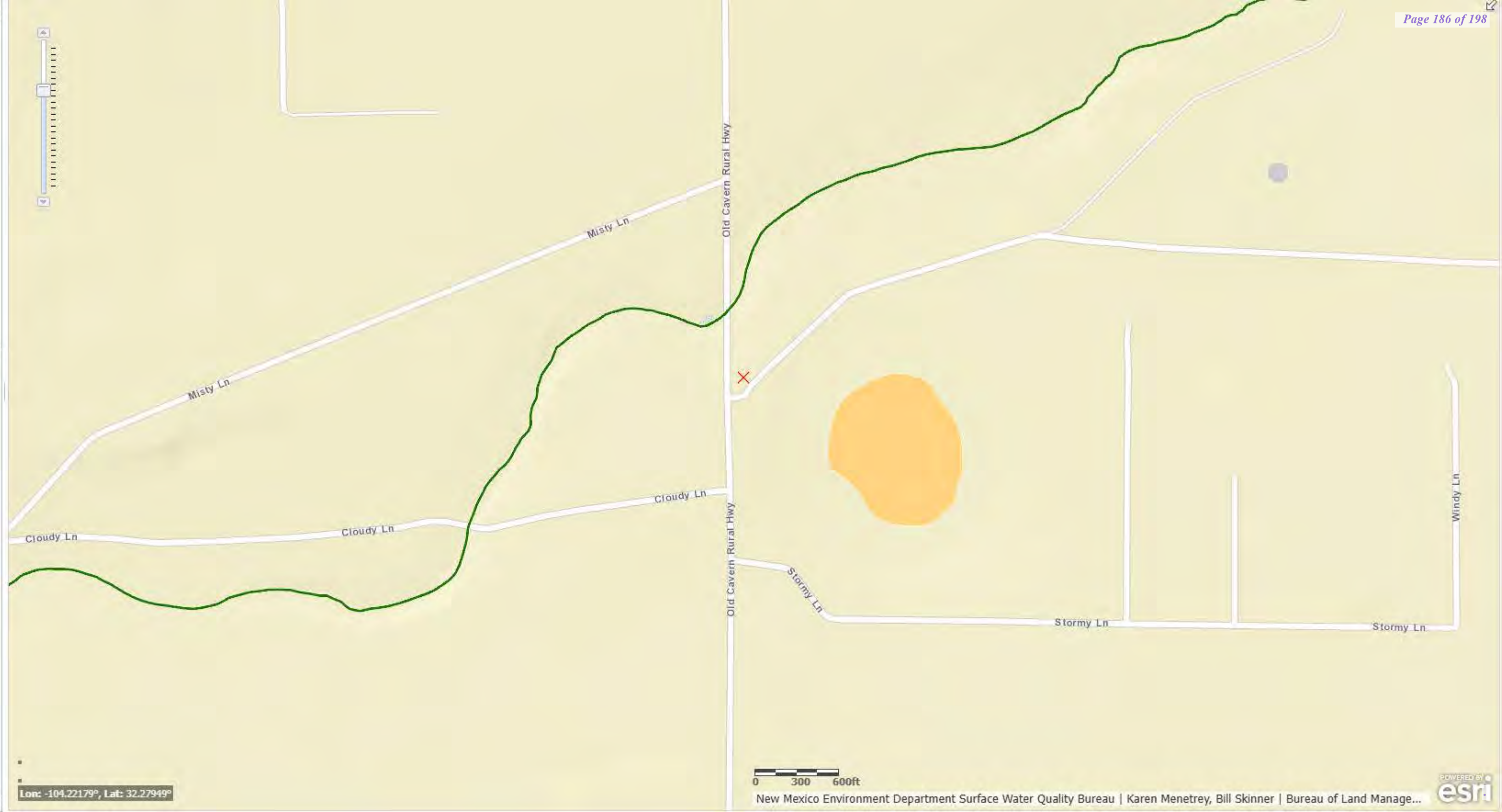
☐ Carbon Sequestration (CAR) Polygons

☐ Fish Habitat (FH) Linears

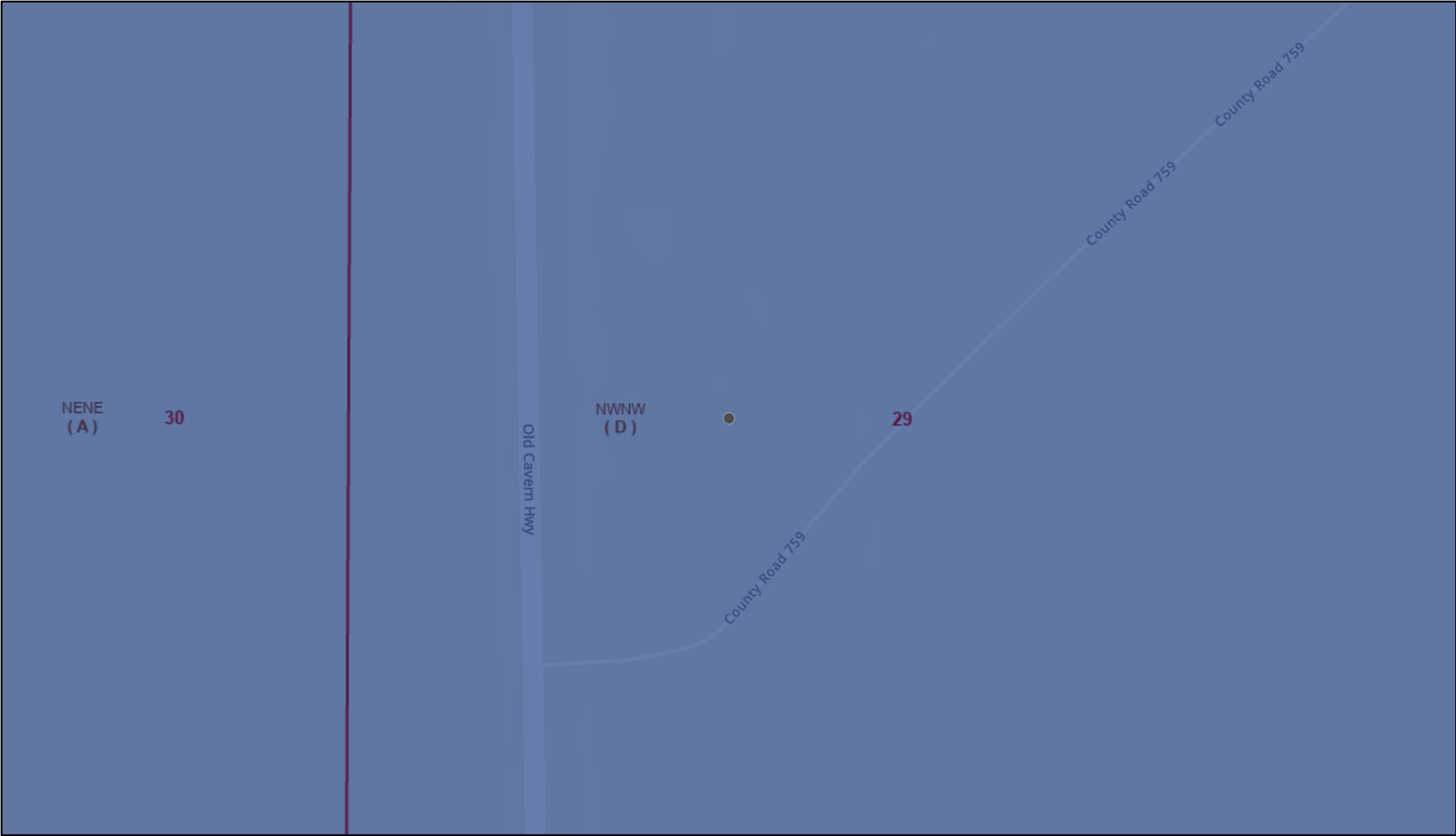
☐ Fish Habitat (FH) Polygons

☐ Groundwater Recharge (GR) Linears

☐ Groundwater Recharge (GR) Polygons

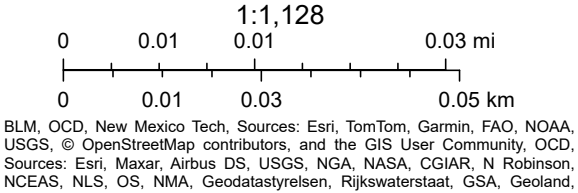


Karst Potential Map



3/25/2025, 4:48:37 PM

Karst Occurrence Potential
High
PLSS Second Division
PLSS First Division



CONFIRMATION SAMPLING NOTIFICATIONS



Grant Gardner

From: OCDOnline@state.nm.us
Sent: Thursday, March 13, 2025 11:45 AM
To: Jeff Broom
Subject: [EXT] The Oil Conservation Division (OCD) has accepted the application, Application ID: 442180

To whom it may concern (c/o Jeff Broom for MEWBOURNE OIL CO),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2429951763.

The sampling event is expected to take place:

When: 03/19/2025 @ 08:00

Where: G-29-23S-27E 0 FNL 0 FEL (32.28029,-104.22029)

Additional Information: Tyler Kimball, 432-582-4051

Additional Instructions: Head southbound on Old Cavern Rural Hwy then turn right onto county road 759. GPS Coordinates to site: 32.28029,-104.22029

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

Grant Gardner

From: OCDOnline@state.nm.us
Sent: Thursday, March 13, 2025 12:02 PM
To: Jeff Broom
Subject: [EXT] The Oil Conservation Division (OCD) has accepted the application, Application ID: 442199

To whom it may concern (c/o Jeff Broom for MEWBOURNE OIL CO),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2429951763.

The sampling event is expected to take place:

When: 03/26/2025 @ 08:00

Where: G-29-23S-27E 0 FNL 0 FEL (32.28029,-104.22029)

Additional Information: Tyler Kimball, 432-582-4051

Additional Instructions: Head southbound on Old Cavern Rural Hwy then turn right onto county road 759. GPS Coordinates to site: 32.28029,-104.22029

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

Grant Gardner

From: OCDOnline@state.nm.us
Sent: Thursday, March 27, 2025 9:34 PM
To: Jeff Broom
Subject: [EXT] The Oil Conservation Division (OCD) has accepted the application, Application ID: 446457

To whom it may concern (c/o Jeff Broom for MEWBOURNE OIL CO),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2429951763.

The sampling event is expected to take place:

When: 04/01/2025 @ 08:00

Where: G-29-23S-27E 0 FNL 0 FEL (32.28029,-104.22029)

Additional Information: Tyler Kimball , 432-582-4051

Additional Instructions: Head southbound on Old Cavern Rural Hwy then turn right onto county road 759. GPS Coordinates to site: 32.28029,-104.22029

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

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

General Information
Phone: (505) 629-6116

Online Phone Directory
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State of New Mexico

Energy, Minerals and Natural Resources

Oil Conservation Division

1220 S. St Francis Dr.

Santa Fe, NM 87505

QUESTIONS

Action 453754

QUESTIONS

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 453754
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2429951763
Incident Name	NAPP2429951763 WELLSPRING GOOSE FRAC TEMP BOOSTER @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Plan Received

Location of Release Source	
Please answer all the questions in this group.	
Site Name	Wellspring Goose Frac Temp Booster
Date Release Discovered	10/13/2024
Surface Owner	State

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 Pump Produced Water Released: 91 BBL Recovered: 30 BBL Lost: 61 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
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 453754

QUESTIONS (continued)

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 453754
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

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: Connor Walker Title: Senior Engineer Email: cwalker@mewbourne.com Date: 10/25/2024
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QUESTIONS, Page 3

Action 453754

QUESTIONS (continued)

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 453754
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Site Characterization	
<i>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.</i>	
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	NM OSE iWaters Database Search
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 300 and 500 (ft.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 500 and 1000 (ft.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 300 and 500 (ft.)
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	High
A 100-year floodplain	Between ½ and 1 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

Remediation Plan	
<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>	
Requesting a remediation plan approval with this submission	Yes
<i>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.</i>	
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)	10600
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	171
GRO+DRO (EPA SW-846 Method 8015M)	171
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
<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>	
On what estimated date will the remediation commence	03/12/2025
On what date will (or did) the final sampling or liner inspection occur	04/18/2025
On what date will (or was) the remediation complete(d)	05/15/2025
What is the estimated surface area (in square feet) that will be reclaimed	20529
What is the estimated volume (in cubic yards) that will be reclaimed	2362
What is the estimated surface area (in square feet) that will be remediated	20529
What is the estimated volume (in cubic yards) that will be remediated	2362
<i>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.</i>	
<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 4

Action 453754

QUESTIONS (continued)

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 453754
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

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:	
<i>(Select all answers below that apply.)</i>	
(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	Not answered.
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	Yes
In which state is the disposal taking place	Texas
What is the name of the out-of-state facility	Milestone - Orla
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: Connor Walker Title: Senior Engineer Email: cwalker@mewbourne.com Date: 04/21/2025
<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 453754

QUESTIONS (continued)

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 453754
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

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	No

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QUESTIONS, Page 6

Action 453754

QUESTIONS (continued)

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 453754
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	455348
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/02/2025
What was the (estimated) number of samples that were to be gathered	10
What was the sampling surface area in square feet	2000

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 453754

CONDITIONS

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 453754
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

CONDITIONS

Created By	Condition	Condition Date
nvez	Remediation plan is approved as written except with the following conditions: 1. Any areas requesting deferral must be completed in future submittal and cannot be granted within this remediation plan. 2. Prior to backfilling the open excavation per 19.15.29.12D (2) NMAC, Mewbourne Oil Company (Mewbourne) must collect a minimum of one (1) 5pc from the media being used as backfill to verify that it meets non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 mg/kg as analyzed by EPA Method 300.0, or other test methods approved by the division. 3. Mewbourne has 90-days (August 7, 2025) to submit to OCD its appropriate or final remediation closure report.	5/9/2025