

C-24-1 LINE LEAK

Remediation Action Plan

NMOCD Incident No. nAPP2417743733
UL "N", Sec. 8, T18S, R33E
32.754798°, -103.689114°
Lea County, New Mexico

February 3, 2025



PREPARED ON BEHALF OF

DCP Operating Company, LP
6900 E. Layton Ave. Suite 900
Denver, CO 80237

PREPARED BY

Tasman, Inc.
2620 W. Marland Blvd.
Hobbs, NM 88240



February 3, 2025

DCP Operating Company, LP
6900 E. Layton Ave. Suite 900
Denver, CO 80237

Attn: Mr. Steve Weathers
Email: stephen.weathers@p66.com

Re: Remediation Action Plan
C-24-1 Line Leak (6/23/24)
UL "N", Section 8, Township 18 South, Range 33 East
Lea County, New Mexico
NMOCD Incident No. nAPP2417743733
Tasman Project No. 7717

Dear Mr. Weathers,

Tasman, Inc. (Tasman) is pleased to submit this Remediation Action Plan for the above referenced site. Site assessment activities were executed in accordance with the New Mexico Oil Conservation Division (NMOCD) regulations concerning the delineation of releases of natural gas and natural gas condensate to the environment.

Tasman conducted initial assessment activities, identifying saturated area of approximately 774-square foot, and an overspray area of 318,077-square foot, that had been impacted by the release. The release area was then vertically, and horizontally delineated. Based on laboratory analytical results from soil samples collected during confirmation sampling activities, impacted soil within the release area has been delineated to the applicable NMOCD Action Level. Additional project details are provided in the attached Remediation Action Plan.

Tasman appreciates the opportunity to provide environmental services to DCP Operating Company, LP. Should you have any questions or require additional information, please do not hesitate to contact the undersigned.

Sincerely,
Tasman, Inc.

Brett Dennis
Project Manager
bdennis@tasman-geo.com

Kyle Norman
SW Regional Manager
knorman@tasman-geo.com

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1.0 INTRODUCTION

Tasman, Inc. (Tasman) is pleased to submit this Remediation Action Plan for the C-24-1 Line Leak (6/23/24) (site) on behalf of DCP Operating Company, LP (DCP), documenting the results of field activities conducted in response to a release of natural gas and natural gas condensate to environmental media.

1.1 Site Description

The site is located in Unit Letter “N” of Section 8, Township 18 South, Range 33 East in Lea County, New Mexico. The release occurred at the C-24-1 pipeline. The release ensued on property held by the Bureau of Land Management (BLM). A site location map can be found attached as Figure 1.

1.2 Release Detail and Initial Response

On June 23, 2024, the C-24-1 pipeline release was discovered by DCP personnel. A Notification of Release (NOR) was provided to the New Mexico Oil Conservation District (NMOCD) via online portal and by e-mail to the Bureau of Land Management (BLM) on June 25, 2024. The release resulted in approximately 7 barrels (bbls) of produced water being released to the surrounding environmental media. DCP personnel shut in the pipeline to isolate the release. No produced water was recovered.

A copy of the Initial C-141, NOR and BLM notifications are provided in Appendix A.

2.0 SITE CHARACTERISTICS

2.1 Depth to Groundwater

Tasman reviewed available depth to groundwater information available through the New Mexico Office of the State Engineer (NMOSE) and the United States Geologic Survey (USGS) for registered water wells within a half-mile radius of the site. The nearest well with available groundwater level data is located 0.86 miles northeast of the site, identified as L06131. Depth to groundwater was measured at 100 feet below ground surface (bgs) in 1967. Tasman advanced a groundwater determination soil bore near the site to a depth of 65 ft bgs. The bore hole was later measured and groundwater was not encountered. See Section 5.1 for additional details.

The Site Location & Groundwater Map included as Figure 1 illustrates the location of the registered water wells within the vicinity of the site, and a summary of depth to groundwater information is provided as Appendix B.

2.2 Karst Potential & Subsurface Mines

Tasman utilized the publicly available karst potential map published by the Bureau of Land Management (BLM) Carlsbad Field Office (CFO) to determine the potential for encountering karst formations beneath the site. Review of the BLM CFO karst potential map indicates that the site is not located in an area of high potential to encounter karstic features.

Tasman utilized the USGS Mineral Resources database to determine that there are no subsurface mines beneath or in the vicinity of the site.

Areas of high/critical karst and subsurface mine locations are illustrated on Figure 2.

2.3 Distance to Nearest Potable Water Well

The nearest potable water well is the well gauged on April 29, 1967. The well is located 0.86 miles from the site. The location of OSE L06131 is shown on the attached Figure 1.

2.4 Distance to Nearest Surface Water

Tasman reviewed aerial imagery and the National Wetland Inventory Map, published by the U.S. Fish and Wildlife Service, for wetlands and surface water in the vicinity of the site. The nearest emergent wetland is located approximately 0.58 miles north of the site. The nearest significant surface water was identified as Little Lake, located 4.7 miles from the site. The location of the nearest wetland and surface water body can be seen on Figures 1 and 3.

2.5 100-year Floodplain

Review of flood map data published by the Federal Emergency Management Agency (FEMA) indicates the site is not located within a 100-year floodplain. A copy of the FEMA FIRMet Map can be found attached as Figure 4.

2.6 Residence, School, Hospital, or Institution

Review of aerial imagery did not show that the site is within 300 feet of an occupied permanent residence, school, hospital, or institution.

2.7 Proximity to Sensitive Receptors and Site Characteristics Summary

The table below denotes if the site is located within the minimum allowable distance from a sensitive receptor, as defined in New Mexico Administrative Code (NMAC) 19.15.29.

Site Characteristics Summary		
Approximate depth to groundwater:	50 - 100 ft bgs	
Within an area of high karst potential?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Within 300 ft. of any continuously flowing of significant watercourse?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Within 200 ft. of any lakebed, sinkhole, or playa lake?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Within 300 ft. of an occupied permanent residence, school, hospital, or institution?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Within 500 ft. of a spring or private, domestic fresh water well?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Within 1,000 ft. of any fresh water well?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Within the incorporated municipal boundaries or within a municipal well field?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Within 300 ft. of a wetland?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Within the area overlying a subsurface mine?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Within an unstable area?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Within a 100-year floodplain?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No

3.0 REMEDIATION AND ASSESSMENT LEVELS

NMOCD assessment and cleanup levels for hydrocarbon and produced water releases are based on depth to groundwater and proximity to sensitive receptors as established in NMAC 19.15.29. Based on site characteristics described in Section 2.0, the NMOCD Action Levels for a site with a depth to groundwater of 50 - 100 feet bgs were utilized; these Action Levels are as follows:

Constituent	Action Level
Chloride	10,000 mg/kg
TPH (GRO+DRO+MRO)	2,500 mg/kg
TPH (GRO+DRO)	1,000 mg/kg
BTEX	50 mg/kg
Benzene	10 mg/kg

TPH – total petroleum hydrocarbons

DRO – diesel range organics

BTEX – benzene, toluene, ethylbenzene, total xylenes

GRO – gasoline range organics

MRO – motor/lube oil range organics

mg/kg – milligrams per kilogram

To verify depth to groundwater, Tasman installed one groundwater determination soil bore within the half-mile radius to a depth of approximately 65 feet bgs and left open. After 72 hours, Tasman personnel returned to the site to gauge the static water level. No groundwater was observed when measuring the soil boring. The bore hole was then plugged to the ground surface by NMOSE approved method.

3.1 Reclamation Levels

NMAC 19.15.29.13(D) codifies, and the *Procedures for Implementation of the Spill Rule*, dated September 6, 2019, clarifies that the top four feet of the remediated area should be non-waste containing. Therefore, the NMOCD Reclamation Standards are applied to the top four feet of any area impacted by a release that is not located within an active production facility. NMOCD Reclamation Standards are as follows:

Constituent	Reclamation Standard
Chloride	600 mg/kg
TPH (GRO+DRO+MRO)	100 mg/kg
BTEX	50 mg/kg
Benzene	10 mg/kg

4.0 RELEASE ASSESSMENT

On August 24, 2024, Tasman was retained by DCP to respond to a release of produced water at the site. Initial observations indicated a disturbed area of approximately 318,851 square feet (ft²). A photographic log of the release area is included as Appendix C.

On July 15 and 16, 2024, Tasman advanced eight hand auger soil borings (HA) to delineate the release area horizontally and vertically. Hand auger soil borings HA-5 through HA-8 were advanced outside of the apparent release area and hand auger soil borings HA-1 through HA-4 were advanced within the release area. Hand auger soil borings were advanced to depths varying from four to eight feet bgs. In addition, sixteen surface samples were collected from the overspray area identified as “OS”.

On January 15 – 17, 2025, Tasman returned to the site to further delineate areas where vertical delineation was not reached. Tasman advanced one hand auger soil boring at HA-2 to a depth of 14 ft bgs. Hand augers were advanced to a depth of 1 ft bgs at previously collected overspray samples OS-1, OS-3, OS-10, and OS-11.

The attached Figures 5 and 6 illustrate the observed release area and overspray area and location of sample points.

4.1 Soil Sampling Procedures for Laboratory Analysis

The collection of soil samples for laboratory analysis was conducted in accordance with NMOCD criteria and generally approved industry standards. Collected soil samples were placed in laboratory provided containers, properly labeled, and preserved on ice pending delivery under a chain of custody form to Cardinal Laboratory in Hobbs, New Mexico.

4.2 Soil Analytical Methods

Each soil sample was analyzed using Environmental Protection Agency (EPA) or other NMOCD-approved methods. Laboratory analytical methods are as follows:

- Chloride – EPA Method SM4500.
- Total Petroleum Hydrocarbons (TPH) – gasoline, diesel, and motor/lube oil range organics (GRO+DRO+MRO) – EPA Method 8015M Extended.
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX) – EPA Method 8021B.

4.3 Release Assessment Data Evaluation

Concentrations of benzene were detected above laboratory reporting limits in the soil samples collected from hand auger soil boring HA-2 at the surface and at one-foot bgs; however, both yielded results below NMOCD Action Levels. The remaining collected samples were below laboratory reporting limits.

Total BTEX was detected at a concentration greater than the NMOCD Action Level in soil sample HA-2 collected at the surface at 138 milligrams per kilogram (mg/kg). All other samples were either less than NMOCD Action Levels or below laboratory reporting limits.

Concentrations of TPH were detected above NMOCD Action Levels in numerous samples collected from the hand auger soil borings and overspray samples. Detected concentrations of Total TPH ranged from 17.4 mg/kg in soil sample HA-5 at eight feet to 32,210 mg/kg in soil sample HA-2 at surface to 6 inches. Vertical delineation was achieved with the advanced hand auger soil borings.

Concentrations of chlorides were detected above NMOCD Action Levels in numerous samples collected from hand auger soil borings and overspray samples advanced at the site. Detected concentrations of chlorides ranged from 32.0 mg/kg in multiple soil samples to 13,200 mg/kg in soil sample HA-2 at 6 feet.

Analytical results are summarized on Table 1 and laboratory analytical results are included as Appendix D.

5.0 PROPOSED REMEDIAL ACTIONS

5.1 Additional Assessment

To verify depth to groundwater, on January 27, 2025, Tasman installed one groundwater determination soil boring, approximately 1,900 feet south of the site, to a depth of approximately 65 feet bgs. The soil boring was left open for a period of 72 hours. Tasman personnel then returned to the site on January 30, 2025, to measure the static water level. No groundwater was observed when measuring the soil boring. The bore hole was then plugged to the ground surface by NMOSE approved method. See the attached Figure 6 for the soil bore location and Appendix E for the Well Log.

5.2 Site Access

Tasman accesses the site by a previously existing caliche road to the southwest of the release. On December 20 – 30, 2024, caliche was placed along this access route to allow equipment to access the site. The access route is approximately 1,200 feet long and 14.5 feet wide. A truck staging area was prepared to allow dump trucks to bypass one another that is 200 feet long and 30 feet wide. Lastly a 50 foot by 50 foot soil and equipment staging area was prepared adjacent to the southwest corner of the proposed remedial area. See the attached Figure 7 for locations of the access route, truck staging area, and soil and equipment staging area.

5.3 Remedial Actions

Tasman proposes to remediate the site using physical removal of soil within the delineated area of the release. Vertical delineation was achieved throughout the site. The areas surrounding soil borings HA-6, HA-7, HA-8 and overspray samples OS-1, OS-3, OS-10 and OS-11 will be excavated to approximately 1 feet bgs. All other areas will be excavated to depths ranging from 2 to 10 feet bgs or until field data and/or observations indicate that the impacted material will meet Action Levels. Excavated soil will be staged on-site atop a polyethylene liner pending transportation under manifest to an NMOCD approved disposal facility.

Once field data indicates that the release area has been remediated to NMOCD requirements established in Section 3.0, Tasman will collect five-point confirmation samples from the base and sidewalls of the excavation. The collected confirmation samples will represent an area no greater

than 400 ft². Confirmation sampling activities and laboratory analysis will be conducted as described in Sections 4.1 and 4.2.

5.4 Biologic Mitigations

The site has been identified to be within suitable habitat for the listed endangered species, dunes sage brush lizard. As a result, a biologist with appropriate credentials will monitor the site during all soil disturbance activities, as requested by the BLM via email on August 29, 2024. Additionally, a minimum of two ingress/egress ramps will be included within the remedial excavation. Should the excavation extend greater than 100 feet in any cardinal direction, one earthen ingress/egress point will be installed every 100 linear feet.

5.5 Housekeeping

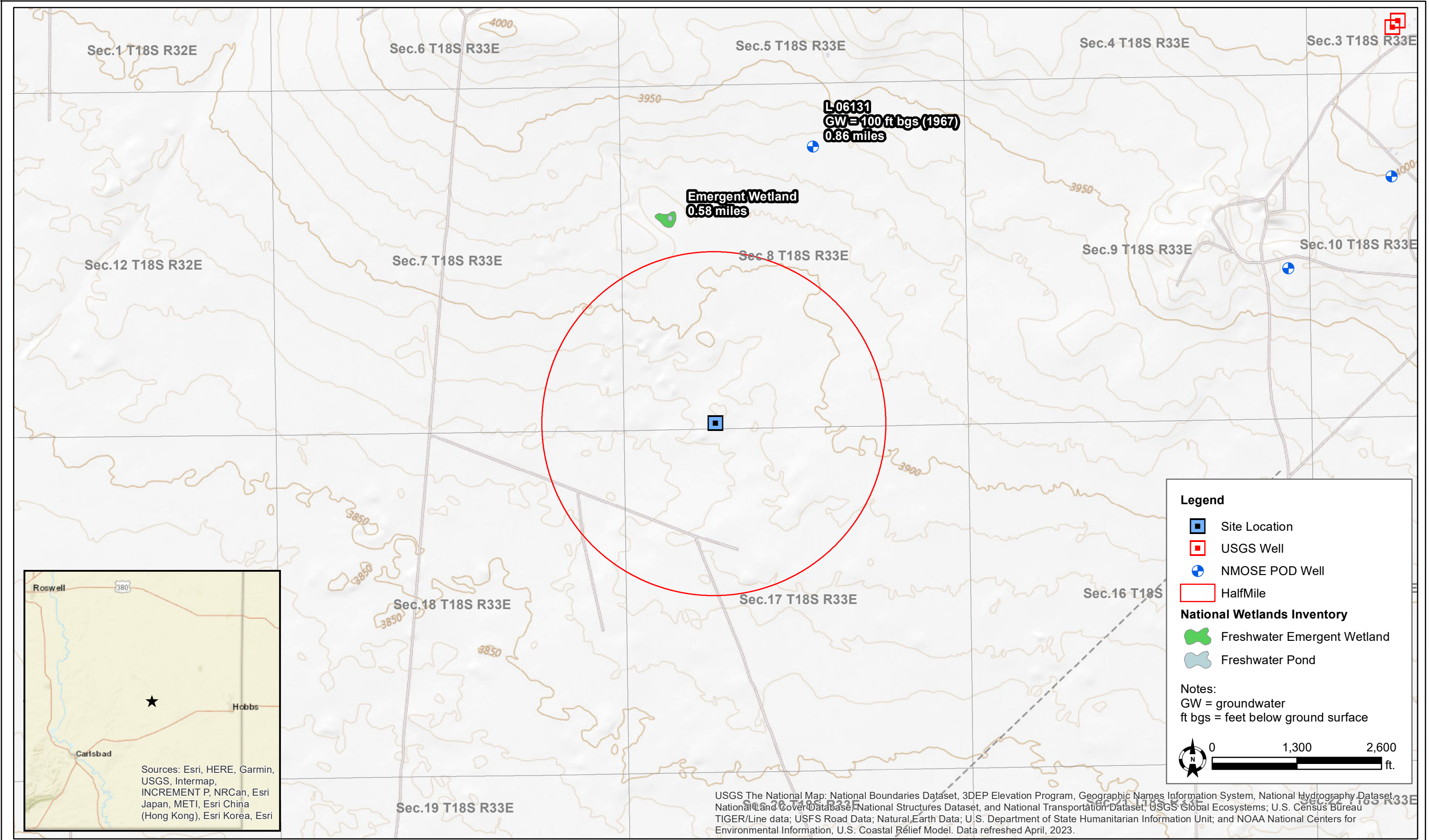
It is Tasman's policy that good housekeeping practices will be upheld during site activities. All material brought on-site, will also be removed from site. At the end of each workday, personnel will walk the site to collect any loose debris/garbage, that is not essential to further site activities to be properly disposed off-site.


6.0 PROPOSED RECLAMATION AND REVEGETATION

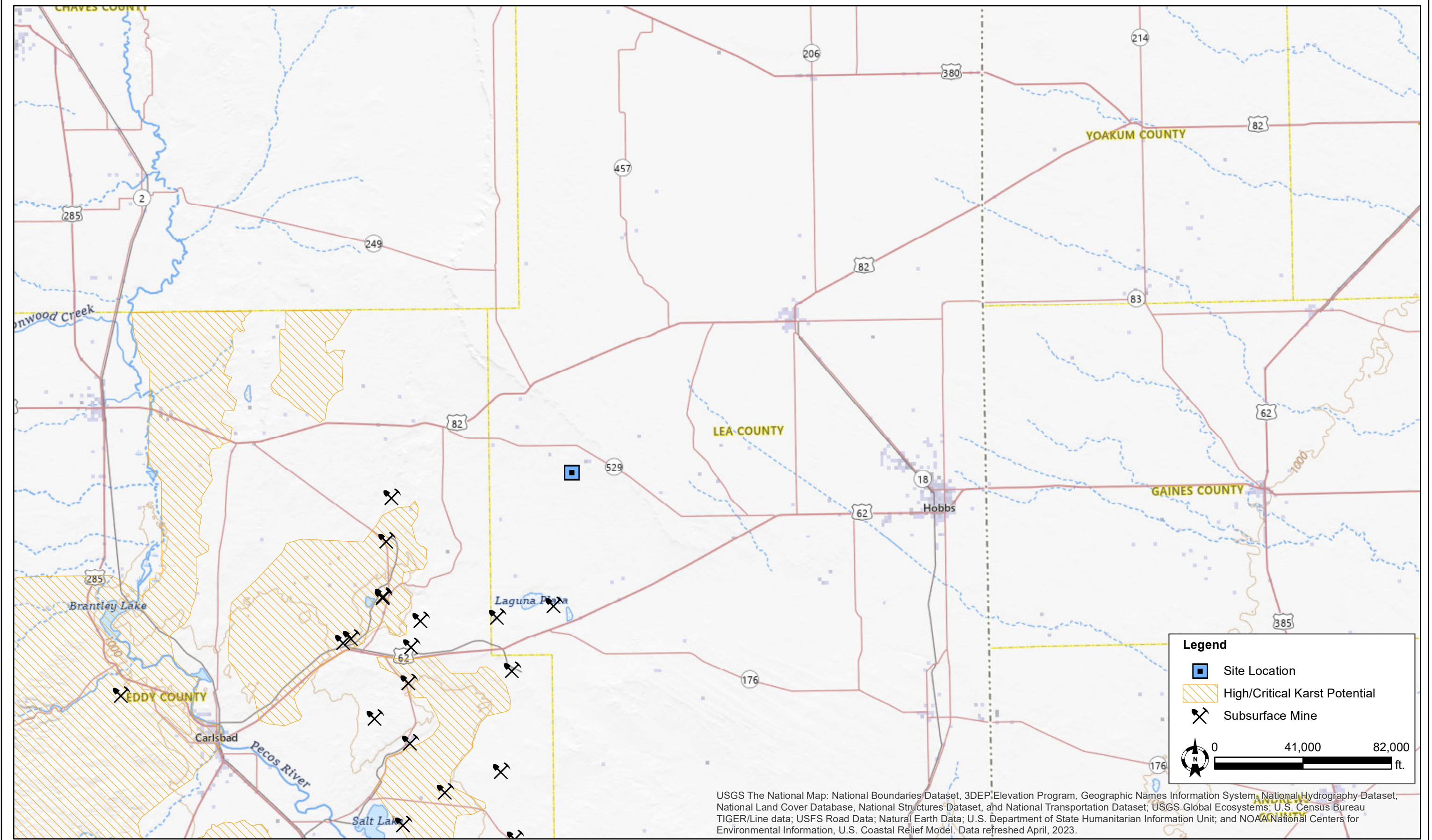
Upon receipt of confirmation samples that indicate remediation objectives have been met, areas affected by the release and associated remediation activities will be restored to the condition which existed prior to the release to the maximum extent possible. Excavated areas will be backfilled with non-impacted "like" material and contoured and/or compacted to achieve erosion control, stability, and preservation of surface water flow to the extent practicable. Soil "likeness" will be confirmed by sample analysis both from native material collected at the site and the proposed backfill source area. The collected samples will be submitted to Cardinal Laboratories in Hobbs, New Mexico for texture and sieve analysis.

Proposed reclamation activities will be further discussed within a Reclamation Plan, to be submitted under separate cover.

Figures



DATE: June 2024	 Tasman, Inc. 6855 W. 119th Ave Broomfield, CO 80020	DCP Operating Company, LP C-24-1 Line Leak - nAPP2417743733 UL "N", Sec. 8, T18S, R33E Lea County, New Mexico	Site Location & Groundwater Map	Figure 1
DESIGNED BY: B. Dennis				
DRAWN BY: B. Dennis				



DATE:	August 2024
DESIGNED BY:	L. Flores
DRAWN BY:	L. Flores



Tasman, Inc.
6855 W. 119th Ave
Broomfield, CO 80020

DCP Operating Company, LP
C-24-1 Line Leak - nAPP2417743733
UL "N", Sec. 8, T18S, R33E
Lea County, New Mexico

Karst Potential & Subsurface
Mine Map

Figure
2



DATE:	August 2024
DESIGNED BY:	L. Flores
DRAWN BY:	L. Flores



Tasman, Inc.
6855 W. 119th Ave
Broomfield, CO 80020

DCP Operating Company, LP
C-24-1 Line Leak - nAPP2417743733
UL “N”, Sec. 8, T18S, R33E
Lea County, New Mexico

Surface Water Map

Figure
3

National Flood Hazard Layer FIRMMette



103°41'40"W 32°45'33"N



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

1:6,000

103°41'3"W 32°45'2"N

Legend

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

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
GENERAL STRUCTURES		Area of Undetermined Flood Hazard Zone D
		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5 Cross Sections with 1% Annual Chance Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
MAP PANELS		Profile Baseline
		Hydrographic Feature
		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 6/26/2024 at 4:08 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.



DATE:	August 2024
DESIGNED BY:	B. Dennis
DRAWN BY:	B. Dennis

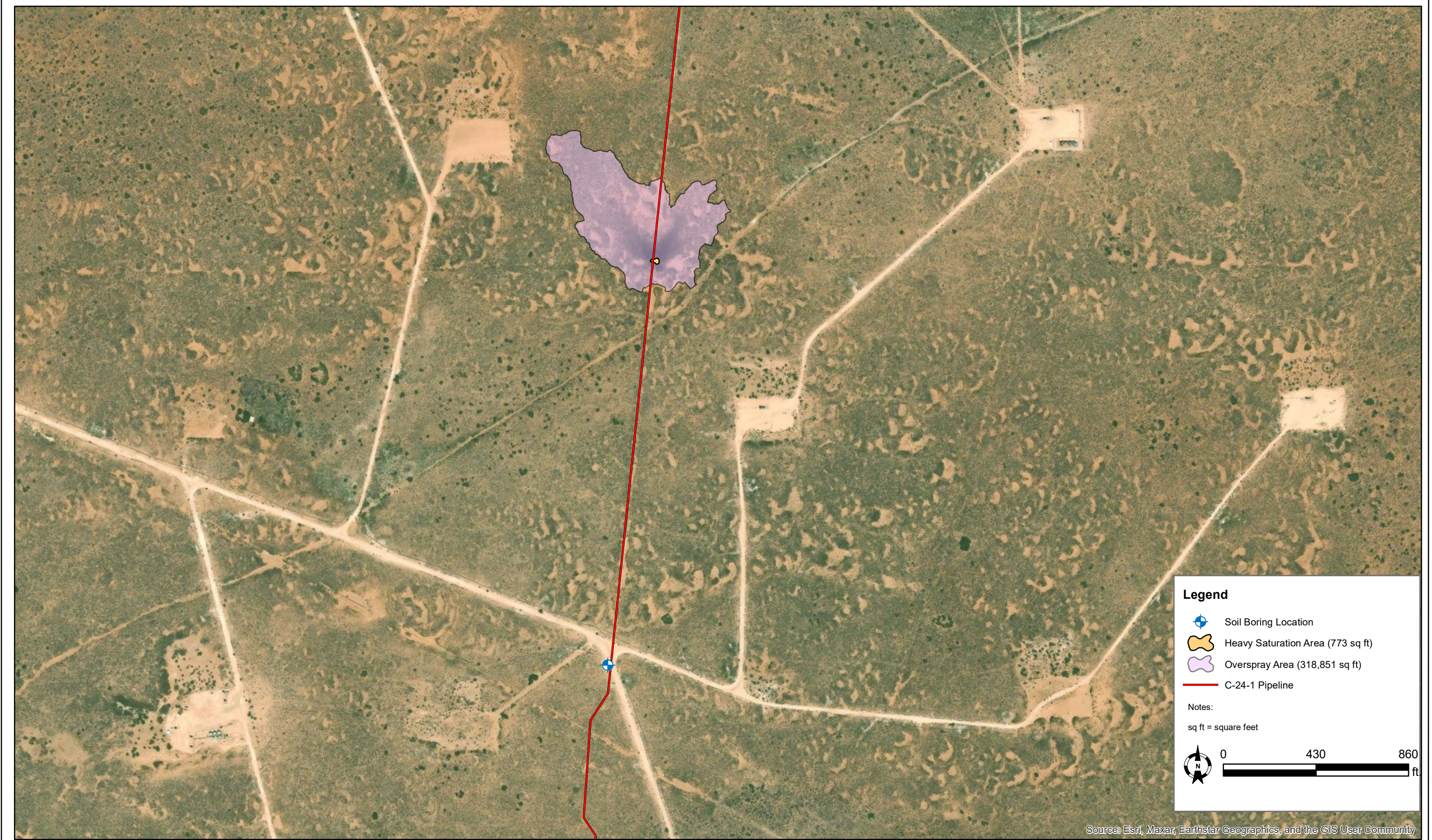


Tasman, Inc.
6855 W. 119th Ave
Broomfield, CO 80020

DCP Operating Company, LP
C-24-1 Line Leak - nAPP2417743733
UL "N", Sec. 8, T18S, T33E
Lea County, New Mexico

Delineation Overview Map

Figure
5



DATE:	October 2024
DESIGNED BY:	B. Dennis
DRAWN BY:	B. Dennis

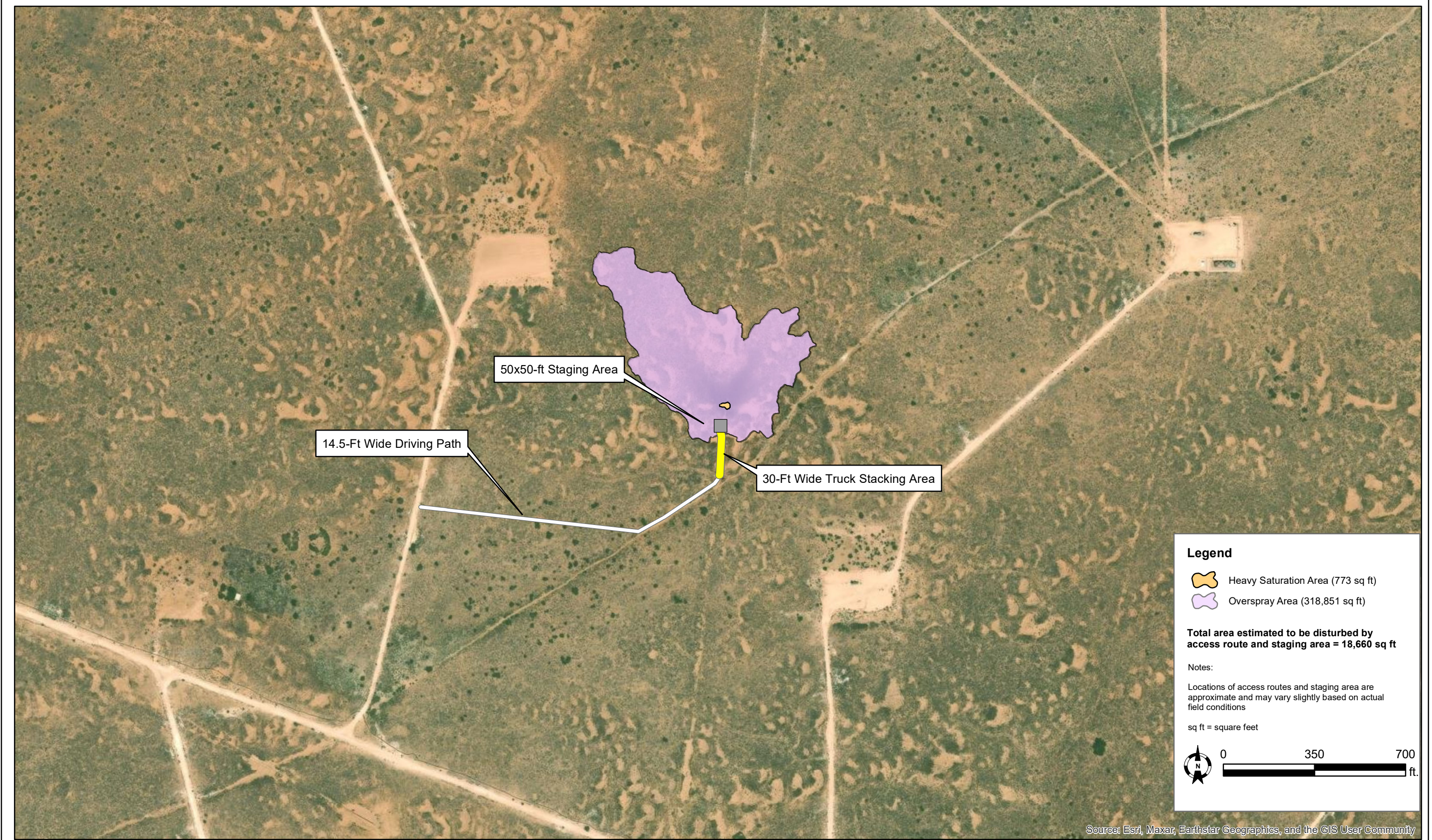


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Broomfield, CO 80020

DCP Operating Company, LP
C-24-1 Line Leak - nAPP2417743733
UL "N", Sec. 8, T18S, T33E
Lea County, New Mexico

Soil Bore Map

Figure
6



DATE:	August 2024
DESIGNED BY:	B. Dennis
DRAWN BY:	B. Dennis



Tasman, Inc.
6855 W. 119th Ave
Broomfield, CO 80020

DCP Operating Company, LP
C-24-1 Line Leak - nAPP2417743733
UL "N", Sec. 8, T18S, T33E
Lea County, New Mexico

Access Route Map

Figure
7

Table

TABLE 1
SOIL ANALYTICAL SUMMARY
DCP Operating Company, LP
C-24-1 Line Leak (6/23/2024) - nAPP2417743733

Sample ID	Sample Depth (bgs)	Sample Date	Soil Status	PID (ppm)	Field Chloride (mg/kg)	Benzene (mg/kg)	Total BTEX ¹ (mg/kg)	TPH ² (mg/kg)				Chloride ³ (mg/kg)
								GRO	DRO	MRO	TOTAL	
HA-1	0 - 0.5'	7/15/2024	In-Situ	1.8	4,617	---	---	---	---	---	---	---
	1'		In-Situ	1.6	1,393	---	---	---	---	---	---	
	2'		In-Situ	1.4	394	---	---	---	---	---	---	
	3'		In-Situ	7.7	1,048	<0.050	<0.300	<10.0	286	90.1	376	320
	4'		In-Situ	0.5	772	<0.050	<0.300	<10.0	59.3	13.1	72.4	112
	6'		In-Situ	0.2	651	---	---	---	---	---	---	---
	8'		In-Situ	0.5	197	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
HA-2	0 - 0.5'	7/15/2024	In-Situ	510	3,574	8.62	138	2,410	24,300	5,500	32,210	3,760
	1'		In-Situ	102	2,617	0.0570	1.89	22.9	612	158	792	3,000
	2'		In-Situ	46.8	1,803	---	---	---	---	---	---	---
	3'		In-Situ	35.7	2,103	---	---	---	---	---	---	---
	4'		In-Situ	44.9	2,673	---	---	---	---	---	---	---
	6'		In-Situ	3.8	9,954	<0.050	<0.300	<10.0	58.8	12.1	70.9	13,200
	8'		In-Situ	1.1	4,513	<0.050	<0.300	<10.0	40.8	<10.0	40.8	9,460
	10'	1/15/2025	In-Situ	0.4	4,233	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	5,440
	14'		In-Situ	0.3	148	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
HA-3	0 - 0.5'	7/15/2024	In-Situ	113	3,009	---	---	---	---	---	---	---
	1'		In-Situ	45.5	3,150	---	---	---	---	---	---	---
	2'		In-Situ	19.0	1,359	<0.050	<0.300	<10.0	369	96.4	465	1,300
	3'		In-Situ	0.6	701	---	---	---	---	---	---	---
	4'		In-Situ	2.9	594	<0.050	<0.300	<10.0	42.8	<10.0	42.8	656
	6'		In-Situ	4.8	238	---	---	---	---	---	---	---
	8'		In-Situ	0.8	245	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
HA-4	0 - 0.5'	7/15/2024	In-Situ	16.7	3,672	---	---	---	---	---	---	---
	1'		In-Situ	8.0	3,922	---	---	---	---	---	---	---
	2'		In-Situ	9.8	4,625	---	---	---	---	---	---	---
	3'		In-Situ	2.5	1,398	<0.050	<0.300	<10.0	32.7	<10.0	32.7	848
	4'		In-Situ	1.1	625	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	128
	6'		In-Situ	0.0	760	---	---	---	---	---	---	---
	8'		In-Situ	0.0	145	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	96.0
HA-5	0 - 0.5'	7/15/2024	In-Situ	0.0	4,321	---	---	---	---	---	---	---
	1'		In-Situ	0.0	1,514	---	---	---	---	---	---	---
	2'		In-Situ	0.0	518	<0.050	<0.300	<10.0	221	53.2	274	336
	3'		In-Situ	0.0	375	---	---	---	---	---	---	---
	4'		In-Situ	0.0	480	<0.050	<0.300	<10.0	27.7	<10.0	27.7	128
	6'		In-Situ	0.0	292	---	---	---	---	---	---	---
	8'		In-Situ	0.0	173	<0.050	<0.300	<10.0	17.4	<10.0	17.4	96.0
HA-6	0 - 0.5'	7/15/2024	In-Situ	0.0	3,506	---	---	---	---	---	---	---
	1'		In-Situ	0.0	2,435	<0.050	<0.300	<10.0	229	112	341	2,920
	2'		In-Situ	0.0	453	---	---	---	---	---	---	---
	3'		In-Situ	0.0	149	---	---	---	---	---	---	---
	4'		In-Situ	0.0	307	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	176
NMOCD Reclamation Standards ⁴ (Applicable for soils less than 4 ft. below grade surface)				N/A	N/A	10	50	N/A			100	600
NMOCD Remediation and Delineation Standards ⁵ (Applicable for soils greater than 4 ft. below grade surface)				N/A	N/A	10	50	1,000		N/A	2,500	10,000

TABLE 1
SOIL ANALYTICAL SUMMARY
 DCP Operating Company, LP
 C-24-1 Line Leak (6/23/2024) - nAPP2417743733

Sample ID	Sample Depth (bgs)	Sample Date	Soil Status	PID (ppm)	Field Chloride (mg/kg)	Benzene (mg/kg)	Total BTEX ¹ (mg/kg)	TPH ² (mg/kg)				Chloride ³ (mg/kg)
								GRO	DRO	MRO	TOTAL	
HA-7	0 - 0.5'	7/15/2024	In-Situ	0.0	2,518	<0.050	<0.300	<10.0	581	217	798	2,640
	1'		In-Situ	0.0	484	---	---	---	---	---	---	---
	2'		In-Situ	0.1	183	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
	3'		In-Situ	0.0	207	---	---	---	---	---	---	---
	4'		In-Situ	0.0	114	---	---	---	---	---	---	---
	6'		In-Situ	0.0	211	---	---	---	---	---	---	---
	8'		In-Situ	0.0	538	<0.050	<0.300	<10.0	43.2	14.7	57.9	320
HA-8	0 - 0.5'	7/15/2024	In-Situ	0.0	2,380	---	---	---	---	---	---	---
	1'		In-Situ	0.0	1,426	<0.050	<0.300	<10.0	932	545	1,477	1,800
	2'		In-Situ	0.0	154	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	48.0
	3'		In-Situ	0.0	146	---	---	---	---	---	---	---
	4'		In-Situ	0.0	298	---	---	---	---	---	---	---
	6'		In-Situ	0.0	157	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
OS-1	0 - 0.5'	7/16/2024	In-Situ	0.0	1,215	<0.050	<0.300	<10.0	70.7	49.9	120	1,180
	1'	1/16/2025	In-Situ	0.0	147	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
OS-2	0 - 0.5'	7/16/2024	In-Situ	0.0	146	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	48.0
OS-3	0 - 0.5'	7/16/2024	In-Situ	0.0	1,579	<0.050	<0.300	<10.0	243	136	379	1,230
	1'	1/17/2025	In-Situ	0.0	148	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	64.0
OS-4	0 - 0.5'	7/16/2024	In-Situ	0.0	184	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	80.0
OS-5	0 - 0.5'	7/16/2024	In-Situ	0.0	234	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
OS-6	0 - 0.5'	7/16/2024	In-Situ	0.0	286	<0.050	<0.300	<10.0	21.5	13.1	34.6	160
OS-7	0 - 0.5'	7/16/2024	In-Situ	0.0	300	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	48.0
OS-8	0 - 0.5'	7/16/2024	In-Situ	0.0	142	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
OS-9	0 - 0.5'	7/16/2024	In-Situ	0.0	266	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
OS-10	0 - 0.5'	7/16/2024	In-Situ	0.0	3,049	<0.050	<0.300	<10.0	136	81.6	218	2,360
	1'	1/16/2025	In-Situ	0.0	146	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	80.0
OS-11	0 - 0.5'	7/16/2024	In-Situ	0.0	1,239	<0.050	<0.300	<10.0	34.5	16.1	50.6	1,170
	1'	1/16/2025	In-Situ	0.0	147	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
OS-12	0 - 0.5'	7/16/2024	In-Situ	0.0	338	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	192
OS-13	0 - 0.5'	7/16/2024	In-Situ	0.0	390	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	288
OS-14	0 - 0.5'	7/16/2024	In-Situ	0.0	267	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	160
OS-15	0 - 0.5'	7/16/2024	In-Situ	0.0	290	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	80.0
OS-16	0 - 0.5'	7/16/2024	In-Situ	0.0	336	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	64.0
Backfill	---	1/17/2025	In-Situ	---	---	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	64.0
NMOCD Reclamation Standards ⁴ (Applicable for soils less than 4 ft. below grade surface)				N/A	N/A	10	50	N/A			100	600
NMOCD Remediation and Delineation Standards ⁵ (Applicable for soils greater than 4 ft. below grade surface)				N/A	N/A	10	50	1,000		N/A	2,500	20,000

Notes:

1. BTEX = Benzene, toluene, ethylbenzene, and total xylenes by EPA method 8021B
2. TPH = Total petroleum hydrocarbons analyzed by method EPA 8015M (GRO/DRO/MRO)
3. Chloride - Analyzed by EPA method SM4500
4. New Mexico Administrative Code (NMAC) 19.15.29.13(D) - Restoration, Reclamation, and Re-vegetation (Reclamation for areas no longer in use) for soils extending to 4 ft. below grade surface (bgs).
5. New Mexico Oil Conservation Division (NMOCD) Remediation and Delineation Standards (NMAC 19.15.29.12(N))

* = Denotes discrete/grab sample

Bold values denote concentrations above laboratory RDL**Red** values denote concentrations above NMOCD Action Levels

BGS = Below ground surface

GRO = Gasoline range organics

DRO = Diesel range organics

MRO = Motor/lube oil range organics

PID = Photoionization detector

--- = Sample was not analyzed for this analyte

<RDL = The analyte was not detected above the laboratory reported detection limit (RDL)

N/A = Not applicable

Ft. = Feet

Appendix A – BLM and NMOCD Notifications

OCD Permitting

Home Operator Data Action Status Action Search Results Action Status Item Details

[NOTIFY] Notification Of Release (NOR) Application

Submission Information

Submission ID:	357336	Districts:	Hobbs
Operator:	[36785] DCP OPERATING COMPANY, LP	Counties:	Lea
Description:	DCP OPERATING COMPANY, LP [36785] , C-24-1 Line Leak , nAPP2417743733		
Status:	APPROVED		
Status Date:	06/25/2024		
References (1):	nAPP2417743733		

Forms

This application type does not have attachments.

Questions

Location of Release Source

Please answer all the questions in this group.

Site Name	C-24-1 Line Leak
Date Release Discovered	06/23/2024
Surface Owner	Federal

Incident Details

Please answer all the questions in this group.

Incident Type	Blow Out
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: Blow Out Pipeline (Any) Produced Water Released: 7 BBL Recovered: 0 BBL Lost: 7 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.

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	No
Reasons why this would be considered a submission for a notification of a major release	Unavailable.

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 19.15.29.11(A)(5)(a) NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

Acknowledgments

- ☒ I acknowledge that I am authorized to submit notification of a release on behalf of my operator.
- ☒ I acknowledge that upon submitting this application, I will be creating a new incident file (assigned to my operator) to track the notification(s) and corrective action(s) for a release, pursuant to NMAC 19.15.29.
- ☒ I acknowledge that creating a new incident file will require my operator to file subsequent submission(s) of form "C-141, Application for administrative approval of a release notification and corrective action", pursuant to NMAC 19.15.29.
- ☒ 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.
- ☒ I acknowledge the fact that 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.
- ☒ I acknowledge the fact that, 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.

Comments

No comments found for this submission.

Conditions

Summary: knorman (6/25/2024), When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.

Reasons

No reasons found for this submission.

SIGN-IN HELP

Searches Operator Data Hearing Fee Application

1220 South St. Francis Drive | Santa Fe, NM 87505 | P: (505) 476-3200 | F: (505) 476-3220

EMNRD Home OCD Main Page OCD Rules Help

OCD Permitting

Home Operator Data Action Status Action Search Results Action Status Item Details

[C-141] Initial C-141 (C-141-V-INITIAL) Application

Submission Information

Submission ID:	357865	Districts:	Hobbs
Operator:	[36785] DCP OPERATING COMPANY, LP	Counties:	Lea
Description:	DCP OPERATING COMPANY, LP [36785] , C-24-1 Line Leak , nAPP2417743733		
Status:	APPROVED		
Status Date:	06/27/2024		
References (1):	nAPP2417743733		

Forms

Attachments:	Volume Calculation
--------------	------------------------------------

Questions

Prerequisites

Incident ID (n#)	nAPP2417743733
Incident Name	NAPP2417743733 C-24-1 LINE LEAK @ 0
Incident Type	Blow Out
Incident Status	Initial C-141 Received

Location of Release Source

Please answer all the questions in this group.

Site Name	C-24-1 Line Leak
Date Release Discovered	06/23/2024
Surface Owner	Federal

Incident Details

Please answer all the questions in this group.

Incident Type	Blow Out
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

Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbbls) 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.

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	No
Reasons why this would be considered a submission for a notification of a major release	Unavailable.

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 on 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 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 operator 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 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: Ray Smalts Title: Sr Environmental Eng/Spec Email: raymond.a.smalts@p66.com Date: 06/27/2024
--	---

Site Characterization

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Not answered.
What method was used to determine the depth to ground water	Not answered.
Did this release impact groundwater or surface water	Not answered.

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	Not answered.
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Not answered.
An occupied permanent residence, school, hospital, institution, or church	Not answered.
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Not answered.
Any other fresh water well or spring	Not answered.
Incorporated municipal boundaries or a defined municipal fresh water well field	Not answered.
A wetland	Not answered.
A subsurface mine	Not answered.
An (non-karst) unstable area	Not answered.

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.

No

Acknowledgments

Comments

Conditions

scott.rodgers (6/27/2024), None

Reasons

[Go Back](#)

Kyle Norman

From: Kyle Norman
Sent: Tuesday, June 25, 2024 12:31 PM
To: Taylor, Shelly J; BLM_NM_CFO_Realty_spill@BLM.gov
Cc: Case, Nicholas L; Smalts, Raymond A; Daly, Stacey; Hyman, Albert L; Brett Dennis; Laura Flores
Subject: 7717_C-24-1 Line Leak (6.23.24)_nAPP2417743733
Attachments: 7717_C-24-1 Line Leak - Release Areas.kmz; C-24-1_2024-06-24_09-29-27_Saturation_Unknown area.jpg; C-24-1_2024-06-24_09-29-00_Overspray_Unknown area.jpg; C-24-1_2024-06-24_11-05-23_Saturation_Unknown area.jpg; C-24-1_2024-06-24_09-29-43_Saturation_Unknown area.jpg; C-24-1_2024-06-24_11-05-27_Saturation_Unknown area.jpg

Ms. Taylor,

Please see attached kmz file and photos on the C-24-1 Line Leak (6.23.24)_nAPP2417743733 and the information below.

Cause of Release, on June 23rd, 2024, DCP Ops discovered a leak on the C-24-1 pipeline. DCP Ops has shut in the pipeline and scheduled to be repaired. Please let me know if an Arch Survey is required on this one.

GPS: 32.754868, -103.689276
Date of Discovery: 6/23/2024
Produced water released: 7.2 bbls
Recovered: 0 bbls
Leak area: ~773 sq. ft.
Overspray area: 318,851

Please let me know if you have any questions or need anything from me.

Regards,

Kyle Norman
SW Regional Manager

Tasman, Inc.
C: 575-318-5017
knorman@tasman-geo.com
www.tasman-geo.com



Celebrating 15 Years!

Appendix B – Depth to Groundwater Information

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
L 06131	SW	NW	NE	08	18S	33E	623241.0	3626167.0 *		

* UTM location was derived from PLSS - see Help

Driller License:	99	Driller Company:	O.R. MUSSELWHITE WATER WELL SE		
Driller Name:					
Drill Start Date:	1967-04-27	Drill Finish Date:	1967-04-29	Plug Date:	
Log File Date:	1967-05-02	PCW Rcv Date:		Source:	Shallow
Pump Type:		Pipe Discharge Size:		Estimated Yield:	
Casing Size:	7.00	Depth Well:	194	Depth Water:	100

Water Bearing Stratifications:

Top	Bottom	Description
130	135	Sandstone/Gravel/Conglomerate
185	193	Sandstone/Gravel/Conglomerate

Casing Perforations:

Top	Bottom
150	194

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.

8/7/24 1:54 PM MST

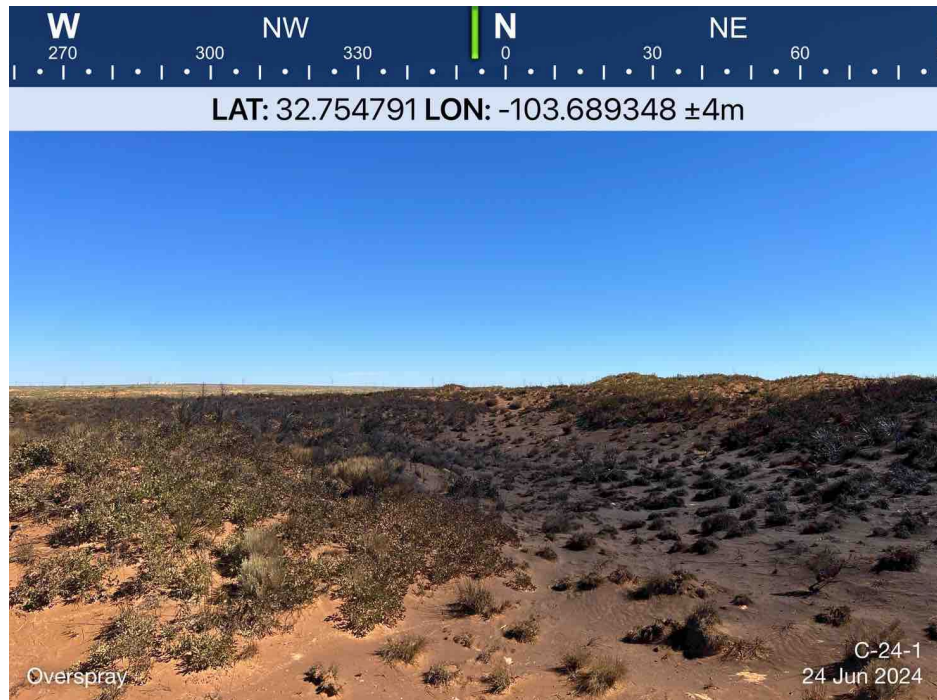
Point of Diversion Summary

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Appendix C – Photographic Log

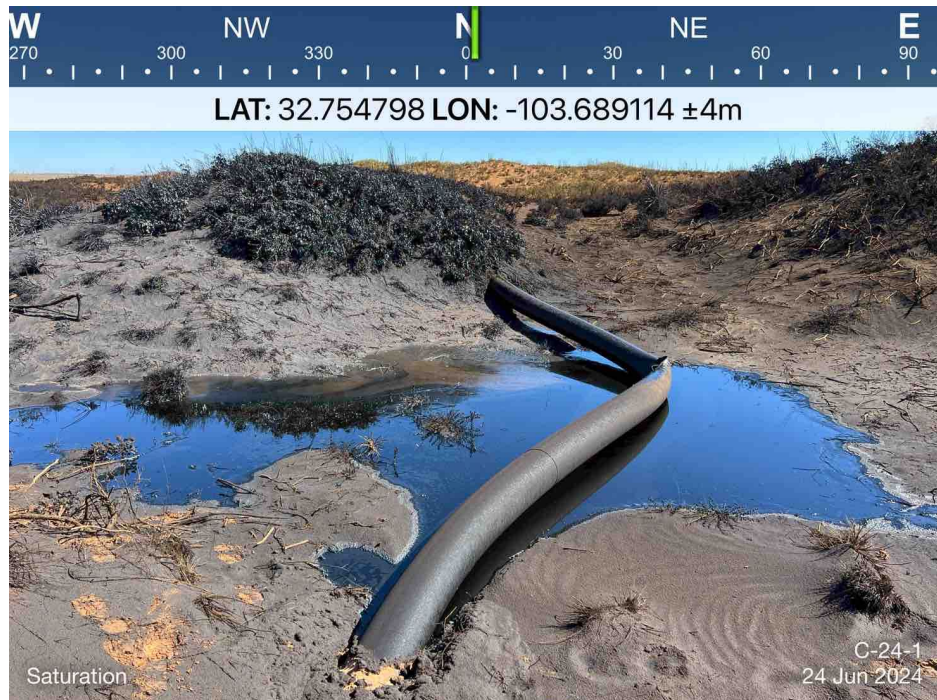
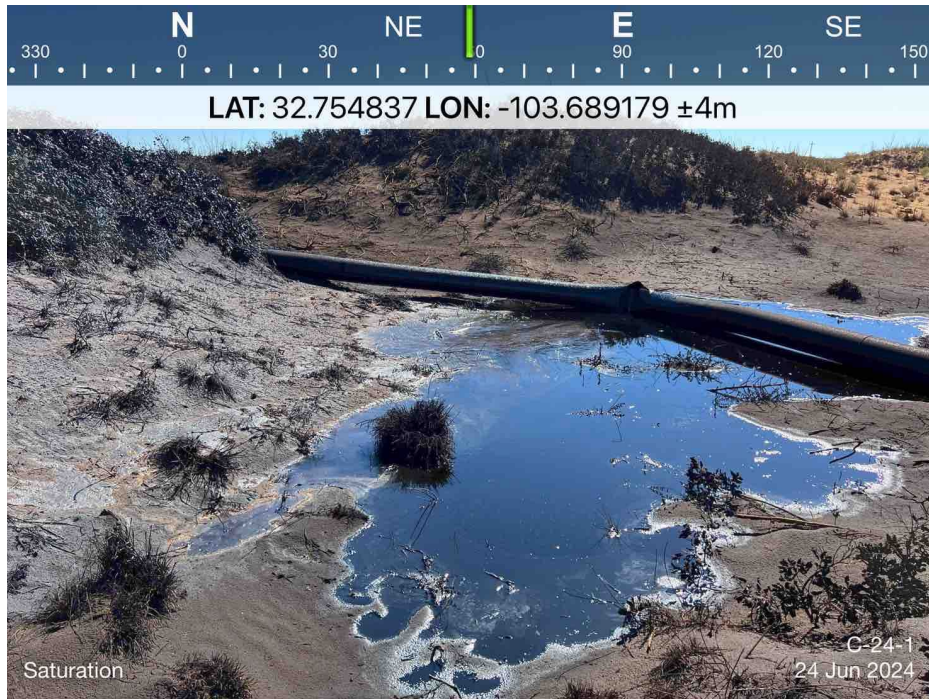
DCP Operating Company, LP

C-24-1 Line Leak – nAPP2417743733



DCP Operating Company, LP

C-24-1 Line Leak – nAPP2417743733



DCP Operating Company, LP

C-24-1 Line Leak – nAPP2417743733



DCP Operating Company, LP

C-24-1 Line Leak – nAPP2417743733



Appendix D – Certified Laboratory Analytical Reports



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

July 17, 2024

KYLE NORMAN

TASMAN GEOSCIENCES

6899 PECOS ST. UNIT C

DENVER, CO 80221

RE: 7717_C-24-2 LINE LEAK

Enclosed are the results of analyses for samples received by the laboratory on 07/16/24 13:59.

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:

TASMAN GEOSCIENCES
 KYLE NORMAN
 6899 PECOS ST. UNIT C
 DENVER CO, 80221
 Fax To:

Received:	07/16/2024	Sampling Date:	07/15/2024
Reported:	07/17/2024	Sampling Type:	Soil
Project Name:	7717_C-24-2 LINE LEAK	Sampling Condition:	Cool & Intact
Project Number:	7717	Sample Received By:	Alyssa Parras
Project Location:	NONE GIVEN		

Sample ID: HA - 1 @ 3' (H244241-04)

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	07/17/2024	ND	2.06	103	2.00	3.61		
Toluene*	<0.050	0.050	07/17/2024	ND	2.03	102	2.00	4.17		
Ethylbenzene*	<0.050	0.050	07/17/2024	ND	2.04	102	2.00	4.23		
Total Xylenes*	<0.150	0.150	07/17/2024	ND	6.00	99.9	6.00	4.13		
Total BTX	<0.300	0.300	07/17/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	320	16.0	07/17/2024	ND	432	108	400	3.64		

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	07/17/2024	ND	181	90.4	200	5.61	
DRO >C10-C28*	286	10.0	07/17/2024	ND	182	90.8	200	9.61	
EXT DRO >C28-C36	90.1	10.0	07/17/2024	ND					

Surrogate: 1-Chlorooctane 125 % 48.2-134

Surrogate: 1-Chlorooctadecane 148 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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:

TASMAN GEOSCIENCES
 KYLE NORMAN
 6899 PECOS ST. UNIT C
 DENVER CO, 80221
 Fax To:

Received: 07/16/2024
 Reported: 07/17/2024
 Project Name: 7717_C-24-2 LINE LEAK
 Project Number: 7717
 Project Location: NONE GIVEN

Sampling Date: 07/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: HA - 1 @ 4' (H244241-05)

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	07/16/2024	ND	2.06	103	2.00	3.61		
Toluene*	<0.050	0.050	07/16/2024	ND	2.03	102	2.00	4.17		
Ethylbenzene*	<0.050	0.050	07/16/2024	ND	2.04	102	2.00	4.23		
Total Xylenes*	<0.150	0.150	07/16/2024	ND	6.00	99.9	6.00	4.13		
Total BTX	<0.300	0.300	07/16/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 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	07/17/2024	ND	432	108	400	3.64		

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	07/16/2024	ND	181	90.4	200	5.61	
DRO >C10-C28*	59.3	10.0	07/16/2024	ND	182	90.8	200	9.61	
EXT DRO >C28-C36	13.1	10.0	07/16/2024	ND					

Surrogate: 1-Chlorooctane 127 % 48.2-134

Surrogate: 1-Chlorooctadecane 143 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TASMAN GEOSCIENCES
 KYLE NORMAN
 6899 PECOS ST. UNIT C
 DENVER CO, 80221
 Fax To:

Received: 07/16/2024
 Reported: 07/17/2024
 Project Name: 7717_C-24-2 LINE LEAK
 Project Number: 7717
 Project Location: NONE GIVEN

Sampling Date: 07/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: HA - 1 @ 8' (H244241-07)

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	07/16/2024	ND	2.06	103	2.00	3.61		
Toluene*	<0.050	0.050	07/16/2024	ND	2.03	102	2.00	4.17		
Ethylbenzene*	<0.050	0.050	07/16/2024	ND	2.04	102	2.00	4.23		
Total Xylenes*	<0.150	0.150	07/16/2024	ND	6.00	99.9	6.00	4.13		
Total BTEX	<0.300	0.300	07/16/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 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	07/17/2024	ND	432	108	400	3.64		

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	07/17/2024	ND	181	90.4	200	5.61	
DRO >C10-C28*	<10.0	10.0	07/17/2024	ND	182	90.8	200	9.61	
EXT DRO >C28-C36	<10.0	10.0	07/17/2024	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 124 % 49.1-148

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Analytical Results For:

TASMAN GEOSCIENCES
 KYLE NORMAN
 6899 PECOS ST. UNIT C
 DENVER CO, 80221
 Fax To:

Received: 07/16/2024
 Reported: 07/17/2024
 Project Name: 7717_C-24-2 LINE LEAK
 Project Number: 7717
 Project Location: NONE GIVEN

Sampling Date: 07/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: HA - 2 @ 0-0.5' (H244241-08)

BTEx 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	8.62	0.500	07/16/2024	ND	2.06	103	2.00	3.61	
Toluene*	42.5	0.500	07/16/2024	ND	2.03	102	2.00	4.17	
Ethylbenzene*	33.6	0.500	07/16/2024	ND	2.04	102	2.00	4.23	
Total Xylenes*	52.9	1.50	07/16/2024	ND	6.00	99.9	6.00	4.13	
Total BTEX	138	3.00	07/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 152 % 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	3760	16.0	07/17/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	2410	100	07/17/2024	ND	181	90.4	200	5.61	
DRO >C10-C28*	24300	100	07/17/2024	ND	182	90.8	200	9.61	
EXT DRO >C28-C36	5500	100	07/17/2024	ND					

Surrogate: 1-Chlorooctane 232 % 48.2-134

Surrogate: 1-Chlorooctadecane 575 % 49.1-148

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Analytical Results For:

TASMAN GEOSCIENCES
 KYLE NORMAN
 6899 PECOS ST. UNIT C
 DENVER CO, 80221
 Fax To:

Received: 07/16/2024
 Reported: 07/17/2024
 Project Name: 7717_C-24-2 LINE LEAK
 Project Number: 7717
 Project Location: NONE GIVEN

Sampling Date: 07/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: HA - 2 @ 1' (H244241-09)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.057	0.050	07/16/2024	ND	2.06	103	2.00	3.61	
Toluene*	0.319	0.050	07/16/2024	ND	2.03	102	2.00	4.17	
Ethylbenzene*	0.513	0.050	07/16/2024	ND	2.04	102	2.00	4.23	
Total Xylenes*	0.999	0.150	07/16/2024	ND	6.00	99.9	6.00	4.13	
Total BTEX	1.89	0.300	07/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 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	3000	16.0	07/17/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	22.9	10.0	07/17/2024	ND	181	90.4	200	5.61		
DRO >C10-C28*	612	10.0	07/17/2024	ND	182	90.8	200	9.61		
EXT DRO >C28-C36	158	10.0	07/17/2024	ND						

Surrogate: 1-Chlorooctane 137 % 48.2-134

Surrogate: 1-Chlorooctadecane 154 % 49.1-148

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Analytical Results For:

TASMAN GEOSCIENCES
 KYLE NORMAN
 6899 PECOS ST. UNIT C
 DENVER CO, 80221
 Fax To:

Received: 07/16/2024
 Reported: 07/17/2024
 Project Name: 7717_C-24-2 LINE LEAK
 Project Number: 7717
 Project Location: NONE GIVEN

Sampling Date: 07/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: HA - 2 @ 6' (H244241-13)

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	07/16/2024	ND	2.06	103	2.00	3.61		
Toluene*	<0.050	0.050	07/16/2024	ND	2.03	102	2.00	4.17		
Ethylbenzene*	<0.050	0.050	07/16/2024	ND	2.04	102	2.00	4.23		
Total Xylenes*	<0.150	0.150	07/16/2024	ND	6.00	99.9	6.00	4.13		
Total BTX	<0.300	0.300	07/16/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 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	13200	16.0	07/17/2024	ND	432	108	400	3.64		

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	07/17/2024	ND	181	90.4	200	5.61	
DRO >C10-C28*	58.8	10.0	07/17/2024	ND	182	90.8	200	9.61	
EXT DRO >C28-C36	12.1	10.0	07/17/2024	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 125 % 49.1-148

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Analytical Results For:

TASMAN GEOSCIENCES
 KYLE NORMAN
 6899 PECOS ST. UNIT C
 DENVER CO, 80221
 Fax To:

Received: 07/16/2024
 Reported: 07/17/2024
 Project Name: 7717_C-24-2 LINE LEAK
 Project Number: 7717
 Project Location: NONE GIVEN

Sampling Date: 07/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: HA - 2 @ 8' (H244241-14)

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	07/16/2024	ND	2.06	103	2.00	3.61		
Toluene*	<0.050	0.050	07/16/2024	ND	2.03	102	2.00	4.17		
Ethylbenzene*	<0.050	0.050	07/16/2024	ND	2.04	102	2.00	4.23		
Total Xylenes*	<0.150	0.150	07/16/2024	ND	6.00	99.9	6.00	4.13		
Total BTX	<0.300	0.300	07/16/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 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	9460	16.0	07/17/2024	ND	432	108	400	3.64		

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	07/17/2024	ND	181	90.4	200	5.61	
DRO >C10-C28*	40.8	10.0	07/17/2024	ND	182	90.8	200	9.61	
EXT DRO >C28-C36	<10.0	10.0	07/17/2024	ND					

Surrogate: 1-Chlorooctane 115 % 48.2-134

Surrogate: 1-Chlorooctadecane 132 % 49.1-148

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Analytical Results For:

TASMAN GEOSCIENCES
 KYLE NORMAN
 6899 PECOS ST. UNIT C
 DENVER CO, 80221
 Fax To:

Received: 07/16/2024
 Reported: 07/17/2024
 Project Name: 7717_C-24-2 LINE LEAK
 Project Number: 7717
 Project Location: NONE GIVEN

Sampling Date: 07/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: HA - 3 @ 2' (H244241-17)

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	07/16/2024	ND	2.06	103	2.00	3.61		
Toluene*	<0.050	0.050	07/16/2024	ND	2.03	102	2.00	4.17		
Ethylbenzene*	<0.050	0.050	07/16/2024	ND	2.04	102	2.00	4.23		
Total Xylenes*	<0.150	0.150	07/16/2024	ND	6.00	99.9	6.00	4.13		
Total BTEX	<0.300	0.300	07/16/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 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	1300	16.0	07/17/2024	ND	432	108	400	3.64		

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	07/16/2024	ND	181	90.4	200	5.61	
DRO >C10-C28*	369	10.0	07/16/2024	ND	182	90.8	200	9.61	
EXT DRO >C28-C36	96.4	10.0	07/16/2024	ND					

Surrogate: 1-Chlorooctane 122 % 48.2-134

Surrogate: 1-Chlorooctadecane 142 % 49.1-148

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Analytical Results For:

TASMAN GEOSCIENCES
 KYLE NORMAN
 6899 PECOS ST. UNIT C
 DENVER CO, 80221
 Fax To:

Received: 07/16/2024
 Reported: 07/17/2024
 Project Name: 7717_C-24-2 LINE LEAK
 Project Number: 7717
 Project Location: NONE GIVEN

Sampling Date: 07/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: HA - 3 @ 4' (H244241-19)

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	07/16/2024	ND	2.06	103	2.00	3.61		
Toluene*	<0.050	0.050	07/16/2024	ND	2.03	102	2.00	4.17		
Ethylbenzene*	<0.050	0.050	07/16/2024	ND	2.04	102	2.00	4.23		
Total Xylenes*	<0.150	0.150	07/16/2024	ND	6.00	99.9	6.00	4.13		
Total BTEX	<0.300	0.300	07/16/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 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	656	16.0	07/17/2024	ND	432	108	400	3.64	

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	07/16/2024	ND	181	90.4	200	5.61	
DRO >C10-C28*	42.8	10.0	07/16/2024	ND	182	90.8	200	9.61	
EXT DRO >C28-C36	<10.0	10.0	07/16/2024	ND					

Surrogate: 1-Chlorooctane 121 % 48.2-134

Surrogate: 1-Chlorooctadecane 138 % 49.1-148

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Analytical Results For:

TASMAN GEOSCIENCES
 KYLE NORMAN
 6899 PECOS ST. UNIT C
 DENVER CO, 80221
 Fax To:

Received: 07/16/2024
 Reported: 07/17/2024
 Project Name: 7717_C-24-2 LINE LEAK
 Project Number: 7717
 Project Location: NONE GIVEN

Sampling Date: 07/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: HA - 3 @ 8' (H244241-21)

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	07/16/2024	ND	2.06	103	2.00	3.61		
Toluene*	<0.050	0.050	07/16/2024	ND	2.03	102	2.00	4.17		
Ethylbenzene*	<0.050	0.050	07/16/2024	ND	2.04	102	2.00	4.23		
Total Xylenes*	<0.150	0.150	07/16/2024	ND	6.00	99.9	6.00	4.13		
Total BTX	<0.300	0.300	07/16/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 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	32.0	16.0	07/17/2024	ND	432	108	400	3.64		

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	07/16/2024	ND	181	90.4	200	5.61	
DRO >C10-C28*	<10.0	10.0	07/16/2024	ND	182	90.8	200	9.61	
EXT DRO >C28-C36	<10.0	10.0	07/16/2024	ND					

Surrogate: 1-Chlorooctane 128 % 48.2-134

Surrogate: 1-Chlorooctadecane 146 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TASMAN GEOSCIENCES
 KYLE NORMAN
 6899 PECOS ST. UNIT C
 DENVER CO, 80221
 Fax To:

Received: 07/16/2024
 Reported: 07/17/2024
 Project Name: 7717_C-24-2 LINE LEAK
 Project Number: 7717
 Project Location: NONE GIVEN

Sampling Date: 07/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: HA - 4 @ 3' (H244241-25)

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	07/16/2024	ND	2.06	103	2.00	3.61		
Toluene*	<0.050	0.050	07/16/2024	ND	2.03	102	2.00	4.17		
Ethylbenzene*	<0.050	0.050	07/16/2024	ND	2.04	102	2.00	4.23		
Total Xylenes*	<0.150	0.150	07/16/2024	ND	6.00	99.9	6.00	4.13		
Total BTX	<0.300	0.300	07/16/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 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	848	16.0	07/17/2024	ND	448	112	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	07/16/2024	ND	181	90.4	200	5.61	
DRO >C10-C28*	32.7	10.0	07/16/2024	ND	182	90.8	200	9.61	
EXT DRO >C28-C36	<10.0	10.0	07/16/2024	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

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Analytical Results For:

TASMAN GEOSCIENCES
 KYLE NORMAN
 6899 PECOS ST. UNIT C
 DENVER CO, 80221
 Fax To:

Received: 07/16/2024
 Reported: 07/17/2024
 Project Name: 7717_C-24-2 LINE LEAK
 Project Number: 7717
 Project Location: NONE GIVEN

Sampling Date: 07/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: HA - 4 @ 4' (H244241-26)

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	07/16/2024	ND	2.06	103	2.00	3.61		
Toluene*	<0.050	0.050	07/16/2024	ND	2.03	102	2.00	4.17		
Ethylbenzene*	<0.050	0.050	07/16/2024	ND	2.04	102	2.00	4.23		
Total Xylenes*	<0.150	0.150	07/16/2024	ND	6.00	99.9	6.00	4.13		
Total BTX	<0.300	0.300	07/16/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 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	128	16.0	07/17/2024	ND	448	112	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	07/16/2024	ND	181	90.4	200	5.61	
DRO >C10-C28*	<10.0	10.0	07/16/2024	ND	182	90.8	200	9.61	
EXT DRO >C28-C36	<10.0	10.0	07/16/2024	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 130 % 49.1-148

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Analytical Results For:

TASMAN GEOSCIENCES
 KYLE NORMAN
 6899 PECOS ST. UNIT C
 DENVER CO, 80221
 Fax To:

Received: 07/16/2024
 Reported: 07/17/2024
 Project Name: 7717_C-24-2 LINE LEAK
 Project Number: 7717
 Project Location: NONE GIVEN

Sampling Date: 07/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: HA - 4 @ 8' (H244241-28)

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	07/16/2024	ND	2.06	103	2.00	3.61		
Toluene*	<0.050	0.050	07/16/2024	ND	2.03	102	2.00	4.17		
Ethylbenzene*	<0.050	0.050	07/16/2024	ND	2.04	102	2.00	4.23		
Total Xylenes*	<0.150	0.150	07/16/2024	ND	6.00	99.9	6.00	4.13		
Total BTX	<0.300	0.300	07/16/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.4 % 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	96.0	16.0	07/17/2024	ND	448	112	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	07/16/2024	ND	181	90.4	200	5.61	
DRO >C10-C28*	<10.0	10.0	07/16/2024	ND	182	90.8	200	9.61	
EXT DRO >C28-C36	<10.0	10.0	07/16/2024	ND					

Surrogate: 1-Chlorooctane 129 % 48.2-134

Surrogate: 1-Chlorooctadecane 147 % 49.1-148

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Analytical Results For:

TASMAN GEOSCIENCES
 KYLE NORMAN
 6899 PECOS ST. UNIT C
 DENVER CO, 80221
 Fax To:

Received: 07/16/2024
 Reported: 07/17/2024
 Project Name: 7717_C-24-2 LINE LEAK
 Project Number: 7717
 Project Location: NONE GIVEN

Sampling Date: 07/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: HA - 5 @ 2' (H244241-31)

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	07/16/2024	ND	2.06	103	2.00	3.61		
Toluene*	<0.050	0.050	07/16/2024	ND	2.03	102	2.00	4.17		
Ethylbenzene*	<0.050	0.050	07/16/2024	ND	2.04	102	2.00	4.23		
Total Xylenes*	<0.150	0.150	07/16/2024	ND	6.00	99.9	6.00	4.13		
Total BTEX	<0.300	0.300	07/16/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.8 % 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	07/17/2024	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/17/2024	ND	181	90.4	200	5.61	
DRO >C10-C28*	221	10.0	07/17/2024	ND	182	90.8	200	9.61	
EXT DRO >C28-C36	53.2	10.0	07/17/2024	ND					

Surrogate: 1-Chlorooctane 129 % 48.2-134

Surrogate: 1-Chlorooctadecane 159 % 49.1-148

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Analytical Results For:

TASMAN GEOSCIENCES
 KYLE NORMAN
 6899 PECOS ST. UNIT C
 DENVER CO, 80221
 Fax To:

Received: 07/16/2024
 Reported: 07/17/2024
 Project Name: 7717_C-24-2 LINE LEAK
 Project Number: 7717
 Project Location: NONE GIVEN

Sampling Date: 07/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: HA - 5 @ 4' (H244241-33)

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	07/16/2024	ND	2.06	103	2.00	3.61		
Toluene*	<0.050	0.050	07/16/2024	ND	2.03	102	2.00	4.17		
Ethylbenzene*	<0.050	0.050	07/16/2024	ND	2.04	102	2.00	4.23		
Total Xylenes*	<0.150	0.150	07/16/2024	ND	6.00	99.9	6.00	4.13		
Total BTEX	<0.300	0.300	07/16/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 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	128	16.0	07/17/2024	ND	448	112	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	07/16/2024	ND	181	90.3	200	4.71	
DRO >C10-C28*	27.7	10.0	07/16/2024	ND	192	96.0	200	4.87	
EXT DRO >C28-C36	<10.0	10.0	07/16/2024	ND					

Surrogate: 1-Chlorooctane 131 % 48.2-134

Surrogate: 1-Chlorooctadecane 139 % 49.1-148

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Analytical Results For:

TASMAN GEOSCIENCES
 KYLE NORMAN
 6899 PECOS ST. UNIT C
 DENVER CO, 80221
 Fax To:

Received: 07/16/2024
 Reported: 07/17/2024
 Project Name: 7717_C-24-2 LINE LEAK
 Project Number: 7717
 Project Location: NONE GIVEN

Sampling Date: 07/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: HA - 5 @ 8' (H244241-35)

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	07/16/2024	ND	2.06	103	2.00	3.61		
Toluene*	<0.050	0.050	07/16/2024	ND	2.03	102	2.00	4.17		
Ethylbenzene*	<0.050	0.050	07/16/2024	ND	2.04	102	2.00	4.23		
Total Xylenes*	<0.150	0.150	07/16/2024	ND	6.00	99.9	6.00	4.13		
Total BTEX	<0.300	0.300	07/16/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 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	96.0	16.0	07/17/2024	ND	448	112	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	07/16/2024	ND	181	90.3	200	4.71	
DRO >C10-C28*	17.4	10.0	07/16/2024	ND	192	96.0	200	4.87	
EXT DRO >C28-C36	<10.0	10.0	07/16/2024	ND					

Surrogate: 1-Chlorooctane 121 % 48.2-134

Surrogate: 1-Chlorooctadecane 124 % 49.1-148

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Analytical Results For:

TASMAN GEOSCIENCES
 KYLE NORMAN
 6899 PECOS ST. UNIT C
 DENVER CO, 80221
 Fax To:

Received: 07/16/2024
 Reported: 07/17/2024
 Project Name: 7717_C-24-2 LINE LEAK
 Project Number: 7717
 Project Location: NONE GIVEN

Sampling Date: 07/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: HA - 6 @ 1' (H244241-37)

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	07/16/2024	ND	2.06	103	2.00	3.61	
Toluene*	<0.050	0.050	07/16/2024	ND	2.03	102	2.00	4.17	
Ethylbenzene*	<0.050	0.050	07/16/2024	ND	2.04	102	2.00	4.23	
Total Xylenes*	<0.150	0.150	07/16/2024	ND	6.00	99.9	6.00	4.13	
Total BTEx	<0.300	0.300	07/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 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	2920	16.0	07/17/2024	ND	448	112	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	07/16/2024	ND	181	90.3	200	4.71	
DRO >C10-C28*	229	10.0	07/16/2024	ND	192	96.0	200	4.87	
EXT DRO >C28-C36	112	10.0	07/16/2024	ND					

Surrogate: 1-Chlorooctane 119 % 48.2-134

Surrogate: 1-Chlorooctadecane 128 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TASMAN GEOSCIENCES
 KYLE NORMAN
 6899 PECOS ST. UNIT C
 DENVER CO, 80221
 Fax To:

Received: 07/16/2024
 Reported: 07/17/2024
 Project Name: 7717_C-24-2 LINE LEAK
 Project Number: 7717
 Project Location: NONE GIVEN

Sampling Date: 07/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: HA - 6 @ 4' (H244241-40)

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	07/16/2024	ND	2.06	103	2.00	3.61		
Toluene*	<0.050	0.050	07/16/2024	ND	2.03	102	2.00	4.17		
Ethylbenzene*	<0.050	0.050	07/16/2024	ND	2.04	102	2.00	4.23		
Total Xylenes*	<0.150	0.150	07/16/2024	ND	6.00	99.9	6.00	4.13		
Total BTX	<0.300	0.300	07/16/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 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	176	16.0	07/17/2024	ND	448	112	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	07/17/2024	ND	181	90.3	200	4.71	
DRO >C10-C28*	<10.0	10.0	07/17/2024	ND	192	96.0	200	4.87	
EXT DRO >C28-C36	<10.0	10.0	07/17/2024	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TASMAN GEOSCIENCES
 KYLE NORMAN
 6899 PECOS ST. UNIT C
 DENVER CO, 80221
 Fax To:

Received: 07/16/2024
 Reported: 07/17/2024
 Project Name: 7717_C-24-2 LINE LEAK
 Project Number: 7717
 Project Location: NONE GIVEN

Sampling Date: 07/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: HA - 7 @ 0-0.5' (H244241-41)

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	07/16/2024	ND	2.06	103	2.00	3.61	
Toluene*	<0.050	0.050	07/16/2024	ND	2.03	102	2.00	4.17	
Ethylbenzene*	<0.050	0.050	07/16/2024	ND	2.04	102	2.00	4.23	
Total Xylenes*	<0.150	0.150	07/16/2024	ND	6.00	99.9	6.00	4.13	
Total BTX	<0.300	0.300	07/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.5 % 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	2640	16.0	07/17/2024	ND	448	112	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	07/17/2024	ND	181	90.3	200	4.71	
DRO >C10-C28*	581	10.0	07/17/2024	ND	192	96.0	200	4.87	
EXT DRO >C28-C36	217	10.0	07/17/2024	ND					

Surrogate: 1-Chlorooctane 93.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TASMAN GEOSCIENCES
 KYLE NORMAN
 6899 PECOS ST. UNIT C
 DENVER CO, 80221
 Fax To:

Received: 07/16/2024
 Reported: 07/17/2024
 Project Name: 7717_C-24-2 LINE LEAK
 Project Number: 7717
 Project Location: NONE GIVEN

Sampling Date: 07/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: HA - 7 @ 2' (H244241-43)

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	07/16/2024	ND	2.06	103	2.00	3.61		
Toluene*	<0.050	0.050	07/16/2024	ND	2.03	102	2.00	4.17		
Ethylbenzene*	<0.050	0.050	07/16/2024	ND	2.04	102	2.00	4.23		
Total Xylenes*	<0.150	0.150	07/16/2024	ND	6.00	99.9	6.00	4.13		
Total BTEX	<0.300	0.300	07/16/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.8 % 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	32.0	16.0	07/17/2024	ND	448	112	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	07/17/2024	ND	181	90.3	200	4.71	
DRO >C10-C28*	<10.0	10.0	07/17/2024	ND	192	96.0	200	4.87	
EXT DRO >C28-C36	<10.0	10.0	07/17/2024	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Analytical Results For:

TASMAN GEOSCIENCES
 KYLE NORMAN
 6899 PECOS ST. UNIT C
 DENVER CO, 80221
 Fax To:

Received: 07/16/2024
 Reported: 07/17/2024
 Project Name: 7717_C-24-2 LINE LEAK
 Project Number: 7717
 Project Location: NONE GIVEN

Sampling Date: 07/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: HA - 7 @ 8' (H244241-47)

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	07/16/2024	ND	2.13	106	2.00	1.47		
Toluene*	<0.050	0.050	07/16/2024	ND	2.29	115	2.00	1.41		
Ethylbenzene*	<0.050	0.050	07/16/2024	ND	2.37	119	2.00	2.01		
Total Xylenes*	<0.150	0.150	07/16/2024	ND	7.34	122	6.00	2.11		
Total BTEX	<0.300	0.300	07/16/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	320	16.0	07/17/2024	ND	448	112	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	07/17/2024	ND	181	90.3	200	4.71	
DRO >C10-C28*	43.2	10.0	07/17/2024	ND	192	96.0	200	4.87	
EXT DRO >C28-C36	14.7	10.0	07/17/2024	ND					

Surrogate: 1-Chlorooctane 117 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TASMAN GEOSCIENCES
 KYLE NORMAN
 6899 PECOS ST. UNIT C
 DENVER CO, 80221
 Fax To:

Received:	07/16/2024	Sampling Date:	07/15/2024
Reported:	07/17/2024	Sampling Type:	Soil
Project Name:	7717_C-24-2 LINE LEAK	Sampling Condition:	Cool & Intact
Project Number:	7717	Sample Received By:	Alyssa Parras
Project Location:	NONE GIVEN		

Sample ID: HA - 8 @ 1' (H244241-49)

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	07/16/2024	ND	2.13	106	2.00	1.47		
Toluene*	<0.050	0.050	07/16/2024	ND	2.29	115	2.00	1.41		
Ethylbenzene*	<0.050	0.050	07/16/2024	ND	2.37	119	2.00	2.01		
Total Xylenes*	<0.150	0.150	07/16/2024	ND	7.34	122	6.00	2.11		
Total BTX	<0.300	0.300	07/16/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	1800	16.0	07/17/2024	ND	448	112	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	07/17/2024	ND	181	90.3	200	4.71	
DRO >C10-C28*	932	10.0	07/17/2024	ND	192	96.0	200	4.87	
EXT DRO >C28-C36	545	10.0	07/17/2024	ND					

Surrogate: 1-Chlorooctane 115 % 48.2-134

Surrogate: 1-Chlorooctadecane 127 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TASMAN GEOSCIENCES
 KYLE NORMAN
 6899 PECOS ST. UNIT C
 DENVER CO, 80221
 Fax To:

Received: 07/16/2024
 Reported: 07/17/2024
 Project Name: 7717_C-24-2 LINE LEAK
 Project Number: 7717
 Project Location: NONE GIVEN

Sampling Date: 07/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: HA - 8 @ 2' (H244241-50)

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	07/16/2024	ND	2.13	106	2.00	1.47		
Toluene*	<0.050	0.050	07/16/2024	ND	2.29	115	2.00	1.41		
Ethylbenzene*	<0.050	0.050	07/16/2024	ND	2.37	119	2.00	2.01		
Total Xylenes*	<0.150	0.150	07/16/2024	ND	7.34	122	6.00	2.11		
Total BTEX	<0.300	0.300	07/16/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	48.0	16.0	07/17/2024	ND	448	112	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	07/17/2024	ND	181	90.3	200	4.71	
DRO >C10-C28*	<10.0	10.0	07/17/2024	ND	192	96.0	200	4.87	
EXT DRO >C28-C36	<10.0	10.0	07/17/2024	ND					

Surrogate: 1-Chlorooctane 126 % 48.2-134

Surrogate: 1-Chlorooctadecane 127 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TASMAN GEOSCIENCES
 KYLE NORMAN
 6899 PECOS ST. UNIT C
 DENVER CO, 80221
 Fax To:

Received: 07/16/2024
 Reported: 07/17/2024
 Project Name: 7717_C-24-2 LINE LEAK
 Project Number: 7717
 Project Location: NONE GIVEN

Sampling Date: 07/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: HA - 8 @ 6' (H244241-53)

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	07/16/2024	ND	2.13	106	2.00	1.47	
Toluene*	<0.050	0.050	07/16/2024	ND	2.29	115	2.00	1.41	
Ethylbenzene*	<0.050	0.050	07/16/2024	ND	2.37	119	2.00	2.01	
Total Xylenes*	<0.150	0.150	07/16/2024	ND	7.34	122	6.00	2.11	
Total BTX	<0.300	0.300	07/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	32.0	16.0	07/17/2024	ND	448	112	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	07/17/2024	ND	181	90.3	200	4.71	
DRO >C10-C28*	<10.0	10.0	07/17/2024	ND	192	96.0	200	4.87	
EXT DRO >C28-C36	<10.0	10.0	07/17/2024	ND					

Surrogate: 1-Chlorooctane 116 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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Analytical Results For:

TASMAN GEOSCIENCES
 KYLE NORMAN
 6899 PECOS ST. UNIT C
 DENVER CO, 80221
 Fax To:

Received: 07/16/2024
 Reported: 07/17/2024
 Project Name: 7717_C-24-2 LINE LEAK
 Project Number: 7717
 Project Location: NONE GIVEN

Sampling Date: 07/16/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: OS - 1 @ 0-0.5' (H244241-54)

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	07/16/2024	ND	2.13	106	2.00	1.47	
Toluene*	<0.050	0.050	07/16/2024	ND	2.29	115	2.00	1.41	
Ethylbenzene*	<0.050	0.050	07/16/2024	ND	2.37	119	2.00	2.01	
Total Xylenes*	<0.150	0.150	07/16/2024	ND	7.34	122	6.00	2.11	
Total BTEX	<0.300	0.300	07/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	1180	16.0	07/17/2024	ND	448	112	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	07/17/2024	ND	181	90.3	200	4.71	
DRO >C10-C28*	70.7	10.0	07/17/2024	ND	192	96.0	200	4.87	
EXT DRO >C28-C36	49.9	10.0	07/17/2024	ND					

Surrogate: 1-Chlorooctane 121 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TASMAN GEOSCIENCES
 KYLE NORMAN
 6899 PECOS ST. UNIT C
 DENVER CO, 80221
 Fax To:

Received: 07/16/2024
 Reported: 07/17/2024
 Project Name: 7717_C-24-2 LINE LEAK
 Project Number: 7717
 Project Location: NONE GIVEN

Sampling Date: 07/16/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: OS - 2 @ 0-0.5' (H244241-55)

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	07/16/2024	ND	2.13	106	2.00	1.47	
Toluene*	<0.050	0.050	07/16/2024	ND	2.29	115	2.00	1.41	
Ethylbenzene*	<0.050	0.050	07/16/2024	ND	2.37	119	2.00	2.01	
Total Xylenes*	<0.150	0.150	07/16/2024	ND	7.34	122	6.00	2.11	
Total BTEX	<0.300	0.300	07/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	48.0	16.0	07/17/2024	ND	448	112	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	07/17/2024	ND	181	90.3	200	4.71	
DRO >C10-C28*	<10.0	10.0	07/17/2024	ND	192	96.0	200	4.87	
EXT DRO >C28-C36	<10.0	10.0	07/17/2024	ND					

Surrogate: 1-Chlorooctane 122 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TASMAN GEOSCIENCES
 KYLE NORMAN
 6899 PECOS ST. UNIT C
 DENVER CO, 80221
 Fax To:

Received:	07/16/2024	Sampling Date:	07/16/2024
Reported:	07/17/2024	Sampling Type:	Soil
Project Name:	7717_C-24-2 LINE LEAK	Sampling Condition:	Cool & Intact
Project Number:	7717	Sample Received By:	Alyssa Parras
Project Location:	NONE GIVEN		

Sample ID: OS - 3 @ 0-0.5' (H244241-56)

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	07/16/2024	ND	2.13	106	2.00	1.47	
Toluene*	<0.050	0.050	07/16/2024	ND	2.29	115	2.00	1.41	
Ethylbenzene*	<0.050	0.050	07/16/2024	ND	2.37	119	2.00	2.01	
Total Xylenes*	<0.150	0.150	07/16/2024	ND	7.34	122	6.00	2.11	
Total BTEX	<0.300	0.300	07/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	1230	16.0	07/17/2024	ND	448	112	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	07/17/2024	ND	181	90.3	200	4.71	
DRO >C10-C28*	243	10.0	07/17/2024	ND	192	96.0	200	4.87	
EXT DRO >C28-C36	136	10.0	07/17/2024	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TASMAN GEOSCIENCES
 KYLE NORMAN
 6899 PECOS ST. UNIT C
 DENVER CO, 80221
 Fax To:

Received: 07/16/2024
 Reported: 07/17/2024
 Project Name: 7717_C-24-2 LINE LEAK
 Project Number: 7717
 Project Location: NONE GIVEN

Sampling Date: 07/16/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: OS - 4 @ 0-0.5' (H244241-57)

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	07/16/2024	ND	2.13	106	2.00	1.47	
Toluene*	<0.050	0.050	07/16/2024	ND	2.29	115	2.00	1.41	
Ethylbenzene*	<0.050	0.050	07/16/2024	ND	2.37	119	2.00	2.01	
Total Xylenes*	<0.150	0.150	07/16/2024	ND	7.34	122	6.00	2.11	
Total BTEX	<0.300	0.300	07/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	80.0	16.0	07/17/2024	ND	448	112	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	07/17/2024	ND	181	90.3	200	4.71	
DRO >C10-C28*	<10.0	10.0	07/17/2024	ND	192	96.0	200	4.87	
EXT DRO >C28-C36	<10.0	10.0	07/17/2024	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TASMAN GEOSCIENCES
 KYLE NORMAN
 6899 PECOS ST. UNIT C
 DENVER CO, 80221
 Fax To:

Received: 07/16/2024
 Reported: 07/17/2024
 Project Name: 7717_C-24-2 LINE LEAK
 Project Number: 7717
 Project Location: NONE GIVEN

Sampling Date: 07/16/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: OS - 5 @ 0-0.5' (H244241-58)

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	07/16/2024	ND	2.13	106	2.00	1.47		
Toluene*	<0.050	0.050	07/16/2024	ND	2.29	115	2.00	1.41		
Ethylbenzene*	<0.050	0.050	07/16/2024	ND	2.37	119	2.00	2.01		
Total Xylenes*	<0.150	0.150	07/16/2024	ND	7.34	122	6.00	2.11		
Total BTEX	<0.300	0.300	07/16/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	32.0	16.0	07/17/2024	ND	448	112	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	07/17/2024	ND	181	90.3	200	4.71	
DRO >C10-C28*	<10.0	10.0	07/17/2024	ND	192	96.0	200	4.87	
EXT DRO >C28-C36	<10.0	10.0	07/17/2024	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TASMAN GEOSCIENCES
 KYLE NORMAN
 6899 PECOS ST. UNIT C
 DENVER CO, 80221
 Fax To:

Received: 07/16/2024
 Reported: 07/17/2024
 Project Name: 7717_C-24-2 LINE LEAK
 Project Number: 7717
 Project Location: NONE GIVEN

Sampling Date: 07/16/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: OS - 6 @ 0-0.5' (H244241-59)

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	07/16/2024	ND	2.13	106	2.00	1.47		
Toluene*	<0.050	0.050	07/16/2024	ND	2.29	115	2.00	1.41		
Ethylbenzene*	<0.050	0.050	07/16/2024	ND	2.37	119	2.00	2.01		
Total Xylenes*	<0.150	0.150	07/16/2024	ND	7.34	122	6.00	2.11		
Total BTEX	<0.300	0.300	07/16/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	160	16.0	07/17/2024	ND	448	112	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	07/17/2024	ND	181	90.3	200	4.71	
DRO >C10-C28*	21.5	10.0	07/17/2024	ND	192	96.0	200	4.87	
EXT DRO >C28-C36	13.1	10.0	07/17/2024	ND					

Surrogate: 1-Chlorooctane 99.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TASMAN GEOSCIENCES
 KYLE NORMAN
 6899 PECOS ST. UNIT C
 DENVER CO, 80221
 Fax To:

Received: 07/16/2024
 Reported: 07/17/2024
 Project Name: 7717_C-24-2 LINE LEAK
 Project Number: 7717
 Project Location: NONE GIVEN

Sampling Date: 07/16/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: OS - 7 @ 0-0.5' (H244241-60)

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	07/16/2024	ND	2.13	106	2.00	1.47	
Toluene*	<0.050	0.050	07/16/2024	ND	2.29	115	2.00	1.41	
Ethylbenzene*	<0.050	0.050	07/16/2024	ND	2.37	119	2.00	2.01	
Total Xylenes*	<0.150	0.150	07/16/2024	ND	7.34	122	6.00	2.11	
Total BTEX	<0.300	0.300	07/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	48.0	16.0	07/17/2024	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	07/17/2024	ND	181	90.3	200	4.71	
DRO >C10-C28*	<10.0	10.0	07/17/2024	ND	192	96.0	200	4.87	
EXT DRO >C28-C36	<10.0	10.0	07/17/2024	ND					

Surrogate: 1-Chlorooctane 120 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

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Analytical Results For:

TASMAN GEOSCIENCES
 KYLE NORMAN
 6899 PECOS ST. UNIT C
 DENVER CO, 80221
 Fax To:

Received: 07/16/2024
 Reported: 07/17/2024
 Project Name: 7717_C-24-2 LINE LEAK
 Project Number: 7717
 Project Location: NONE GIVEN

Sampling Date: 07/16/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: OS - 8 @ 0-0.5' (H244241-61)

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	07/16/2024	ND	2.13	106	2.00	1.47		
Toluene*	<0.050	0.050	07/16/2024	ND	2.29	115	2.00	1.41		
Ethylbenzene*	<0.050	0.050	07/16/2024	ND	2.37	119	2.00	2.01		
Total Xylenes*	<0.150	0.150	07/16/2024	ND	7.34	122	6.00	2.11		
Total BTEX	<0.300	0.300	07/16/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	07/17/2024	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	07/17/2024	ND	181	90.3	200	4.71	
DRO >C10-C28*	<10.0	10.0	07/17/2024	ND	192	96.0	200	4.87	
EXT DRO >C28-C36	<10.0	10.0	07/17/2024	ND					

Surrogate: 1-Chlorooctane 124 % 48.2-134

Surrogate: 1-Chlorooctadecane 123 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TASMAN GEOSCIENCES
 KYLE NORMAN
 6899 PECOS ST. UNIT C
 DENVER CO, 80221
 Fax To:

Received: 07/16/2024
 Reported: 07/17/2024
 Project Name: 7717_C-24-2 LINE LEAK
 Project Number: 7717
 Project Location: NONE GIVEN

Sampling Date: 07/16/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: OS - 9 @ 0-0.5' (H244241-62)

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	07/16/2024	ND	2.13	106	2.00	1.47		
Toluene*	<0.050	0.050	07/16/2024	ND	2.29	115	2.00	1.41		
Ethylbenzene*	<0.050	0.050	07/16/2024	ND	2.37	119	2.00	2.01		
Total Xylenes*	<0.150	0.150	07/16/2024	ND	7.34	122	6.00	2.11		
Total BTEx	<0.300	0.300	07/16/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	32.0	16.0	07/17/2024	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	07/17/2024	ND	181	90.3	200	4.71	
DRO >C10-C28*	<10.0	10.0	07/17/2024	ND	192	96.0	200	4.87	
EXT DRO >C28-C36	<10.0	10.0	07/17/2024	ND					

Surrogate: 1-Chlorooctane 127 % 48.2-134

Surrogate: 1-Chlorooctadecane 126 % 49.1-148

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Analytical Results For:

TASMAN GEOSCIENCES
 KYLE NORMAN
 6899 PECOS ST. UNIT C
 DENVER CO, 80221
 Fax To:

Received:	07/16/2024	Sampling Date:	07/16/2024
Reported:	07/17/2024	Sampling Type:	Soil
Project Name:	7717_C-24-2 LINE LEAK	Sampling Condition:	Cool & Intact
Project Number:	7717	Sample Received By:	Alyssa Parras
Project Location:	NONE GIVEN		

Sample ID: OS - 10 @ 0-0.5' (H244241-63)

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	07/16/2024	ND	2.13	106	2.00	1.47		
Toluene*	<0.050	0.050	07/16/2024	ND	2.29	115	2.00	1.41		
Ethylbenzene*	<0.050	0.050	07/16/2024	ND	2.37	119	2.00	2.01		
Total Xylenes*	<0.150	0.150	07/16/2024	ND	7.34	122	6.00	2.11		
Total BTEX	<0.300	0.300	07/16/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	2360	16.0	07/17/2024	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	07/17/2024	ND	181	90.3	200	4.71	
DRO >C10-C28*	136	10.0	07/17/2024	ND	192	96.0	200	4.87	
EXT DRO >C28-C36	81.6	10.0	07/17/2024	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TASMAN GEOSCIENCES
 KYLE NORMAN
 6899 PECOS ST. UNIT C
 DENVER CO, 80221
 Fax To:

Received:	07/16/2024	Sampling Date:	07/16/2024
Reported:	07/17/2024	Sampling Type:	Soil
Project Name:	7717_C-24-2 LINE LEAK	Sampling Condition:	Cool & Intact
Project Number:	7717	Sample Received By:	Alyssa Parras
Project Location:	NONE GIVEN		

Sample ID: OS - 11 @ 0-0.5' (H244241-64)

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	07/16/2024	ND	2.13	106	2.00	1.47		
Toluene*	<0.050	0.050	07/16/2024	ND	2.29	115	2.00	1.41		
Ethylbenzene*	<0.050	0.050	07/16/2024	ND	2.37	119	2.00	2.01		
Total Xylenes*	<0.150	0.150	07/16/2024	ND	7.34	122	6.00	2.11		
Total BTEx	<0.300	0.300	07/16/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	1170	16.0	07/17/2024	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	07/16/2024	ND	185	92.5	200	4.81	
DRO >C10-C28*	34.5	10.0	07/16/2024	ND	173	86.3	200	7.72	
EXT DRO >C28-C36	16.1	10.0	07/16/2024	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TASMAN GEOSCIENCES
 KYLE NORMAN
 6899 PECOS ST. UNIT C
 DENVER CO, 80221
 Fax To:

Received: 07/16/2024
 Reported: 07/17/2024
 Project Name: 7717_C-24-2 LINE LEAK
 Project Number: 7717
 Project Location: NONE GIVEN

Sampling Date: 07/16/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: OS - 12 @ 0-0.5' (H244241-65)

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	07/16/2024	ND	2.13	106	2.00	1.47		
Toluene*	<0.050	0.050	07/16/2024	ND	2.29	115	2.00	1.41		
Ethylbenzene*	<0.050	0.050	07/16/2024	ND	2.37	119	2.00	2.01		
Total Xylenes*	<0.150	0.150	07/16/2024	ND	7.34	122	6.00	2.11		
Total BTEx	<0.300	0.300	07/16/2024	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	192	16.0	07/17/2024	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	07/16/2024	ND	185	92.5	200	4.81	
DRO >C10-C28*	<10.0	10.0	07/16/2024	ND	173	86.3	200	7.72	
EXT DRO >C28-C36	<10.0	10.0	07/16/2024	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TASMAN GEOSCIENCES
 KYLE NORMAN
 6899 PECOS ST. UNIT C
 DENVER CO, 80221
 Fax To:

Received: 07/16/2024
 Reported: 07/17/2024
 Project Name: 7717_C-24-2 LINE LEAK
 Project Number: 7717
 Project Location: NONE GIVEN

Sampling Date: 07/16/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: OS - 13 @ 0-0.5' (H244241-66)

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	07/16/2024	ND	2.13	106	2.00	1.47		
Toluene*	<0.050	0.050	07/16/2024	ND	2.29	115	2.00	1.41		
Ethylbenzene*	<0.050	0.050	07/16/2024	ND	2.37	119	2.00	2.01		
Total Xylenes*	<0.150	0.150	07/16/2024	ND	7.34	122	6.00	2.11		
Total BTEX	<0.300	0.300	07/16/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	288	16.0	07/17/2024	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	07/16/2024	ND	185	92.5	200	4.81	
DRO >C10-C28*	<10.0	10.0	07/16/2024	ND	173	86.3	200	7.72	
EXT DRO >C28-C36	<10.0	10.0	07/16/2024	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TASMAN GEOSCIENCES
 KYLE NORMAN
 6899 PECOS ST. UNIT C
 DENVER CO, 80221
 Fax To:

Received: 07/16/2024
 Reported: 07/17/2024
 Project Name: 7717_C-24-2 LINE LEAK
 Project Number: 7717
 Project Location: NONE GIVEN

Sampling Date: 07/16/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: OS - 14 @ 0-0.5' (H244241-67)

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	07/16/2024	ND	2.13	106	2.00	1.47	
Toluene*	<0.050	0.050	07/16/2024	ND	2.29	115	2.00	1.41	
Ethylbenzene*	<0.050	0.050	07/16/2024	ND	2.37	119	2.00	2.01	
Total Xylenes*	<0.150	0.150	07/16/2024	ND	7.34	122	6.00	2.11	
Total BTEX	<0.300	0.300	07/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	07/17/2024	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	07/16/2024	ND	185	92.5	200	4.81	
DRO >C10-C28*	<10.0	10.0	07/16/2024	ND	173	86.3	200	7.72	
EXT DRO >C28-C36	<10.0	10.0	07/16/2024	ND					

Surrogate: 1-Chlorooctane 93.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TASMAN GEOSCIENCES
 KYLE NORMAN
 6899 PECOS ST. UNIT C
 DENVER CO, 80221
 Fax To:

Received: 07/16/2024
 Reported: 07/17/2024
 Project Name: 7717_C-24-2 LINE LEAK
 Project Number: 7717
 Project Location: NONE GIVEN

Sampling Date: 07/16/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: OS - 15 @ 0-0.5' (H244241-68)

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	07/16/2024	ND	2.13	106	2.00	1.47		
Toluene*	<0.050	0.050	07/16/2024	ND	2.29	115	2.00	1.41		
Ethylbenzene*	<0.050	0.050	07/16/2024	ND	2.37	119	2.00	2.01		
Total Xylenes*	<0.150	0.150	07/16/2024	ND	7.34	122	6.00	2.11		
Total BTEX	<0.300	0.300	07/16/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	80.0	16.0	07/17/2024	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	07/16/2024	ND	185	92.5	200	4.81	
DRO >C10-C28*	<10.0	10.0	07/16/2024	ND	173	86.3	200	7.72	
EXT DRO >C28-C36	<10.0	10.0	07/16/2024	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TASMAN GEOSCIENCES
 KYLE NORMAN
 6899 PECOS ST. UNIT C
 DENVER CO, 80221
 Fax To:

Received: 07/16/2024
 Reported: 07/17/2024
 Project Name: 7717_C-24-2 LINE LEAK
 Project Number: 7717
 Project Location: NONE GIVEN

Sampling Date: 07/16/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: OS - 16 @ 0-0.5' (H244241-69)

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	07/17/2024	ND	2.13	106	2.00	1.47	
Toluene*	<0.050	0.050	07/17/2024	ND	2.29	115	2.00	1.41	
Ethylbenzene*	<0.050	0.050	07/17/2024	ND	2.37	119	2.00	2.01	
Total Xylenes*	<0.150	0.150	07/17/2024	ND	7.34	122	6.00	2.11	
Total BTEX	<0.300	0.300	07/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	64.0	16.0	07/17/2024	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	07/16/2024	ND	185	92.5	200	4.81	
DRO >C10-C28*	<10.0	10.0	07/16/2024	ND	173	86.3	200	7.72	
EXT DRO >C28-C36	<10.0	10.0	07/16/2024	ND					

Surrogate: 1-Chlorooctane 93.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.9 % 49.1-148

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Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

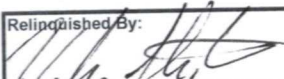

Celey D. Keene, Lab Director/Quality Manager



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101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603
(505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325) 673-7020

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Tasman Geosciences				BILL TO				ANALYSIS REQUEST																																	
Project Manager: Kyle Norman				P.O. #:				TPH 8015 Ext BTEX Chlorides Hold 24-hr Rush																																	
Address: 2620 W. Marland Blvd.				Company: Tasman Geo																																					
City: Hobbs State: NM Zip: 88240				Attn: Kyle Norman																																					
Phone #: 575-318-5017 Fax #:				Address: 2620 W. Marland																																					
Project #:7717 Project Owner: DCP Operating Company				City: Hobbs																																					
Project Name: 7717_C-24-2 Line Leak				State: NM Zip: 88240																																					
Project Location:				Phone #: 575-318-5017																																					
Sampler Name: Kendon Stark				Fax #:																																					
FOR LAB USE ONLY						MATRIX		PRESERV.		SAMPLING																															
Lab I.D.		Sample I.D.		(GRAB OR C/OMP.		# CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER :		ACID/BASE		ICE / COOL		OTHER :		DATE		TIME													
H244241		HA-1 @ 0-0.5		G		1						X										X				7/15/24		0905													
1		HA-1 @ 1'		G		1						X										X				7/15/24		0910													
2		HA-1 @ 2'		G		1						X										X				7/15/24		0915													
3		HA-1 @ 3'		G		1						X										X				7/15/24		0920		X X X X											
4		HA-1 @ 4'		G		1						X										X				7/15/24		0925		X X X X											
5		HA-1 @ 6'		G		1						X										X				7/15/24		1120		X X											
6		HA-1 @ 8'		G		1						X										X				7/15/24		1125		X X X X											
7		HA-2 @ 0-0.5'		G		1						X										X				7/15/24		0930		X X X X											
8		HA-2 @ 1'		G		1						X										X				7/15/24		0935		X X X X											
9		HA-2 @ 2'		G		1						X										X				7/15/24		0940		X											
10																																									
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Relinquished By: 				Date: 7/16/24				Received By: 				Phone Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				Add'l Phone #:																									
Retinquished By:				Time: 1359								Fax Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				Add'l Fax #:																									
				Date:				Received By:				REMARKS:																													
				Time:								email results: NMData@tasman-geo.com																													
												Janice.L.Hyman@p66.com; Albert.L.Hyman@p66.com																													
Delivered By: (Circle One) Sampler - UPS - Bus - Other: -12-0 # 140										Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No										CHECKED BY: (Initials) AD																					

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476







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(505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325) 673-7020

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

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Relinquished By: 		Date: 7/16/24	Received By:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Time: 1359				Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:		Date:	Received By:	REMARKS:	
Time:				email results: NMDData@tasman-geo.com	
				Janice.L.Hyman@p66.com; Albert.L.Hyman@p66.com	
Delivered By: (Circle One)		Sample Condition Cool		CHECKED BY:	
Sampler - UPS - Bus - Other: -12.0		Intact		(Initials)	
#140		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
		<input type="checkbox"/> No <input type="checkbox"/> No			

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(505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325) 673-7020

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

40	HA-6 @ 4'	G 1	A	A	7/15/24	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.									
----	-----------	-----	---	---	---------	---	--	--	--	--	--	--	--	--	--

Relinquished By: 		Date: 7/16/24	Received By:	Phone Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Add'l Phone #:
Time: 1359				Fax Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Add'l Fax #:
Relinquished By:		Date:	Received By:	REMARKS:	
Time:				email results: NMData@tasman-geo.com	
Delivered By: (Circle One)				Janice.L.Hyman@p66.com; Albert.L.Hyman@p66.com	
Sampler - UPS - Bus - Other:			Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No	CHECKED BY: (Initials) 	

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476



101 East Mariland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603
(505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325) 673-7020

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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(505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325) 673-7020

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Tasman Geosciences										BILL TO			ANALYSIS REQUEST														
Project Manager: Kyle Norman										P.O. #:																	
Address: 2620 W. Marland Blvd.										Company: Tasman Geo																	
City: Hobbs State: NM Zip: 88240										Attn: Kyle Norman																	
Phone #: 575-318-5017 Fax #:										Address: 2620 W. Marland																	
Project #: 7717 Project Owner: DCP Operating Company										City: Hobbs																	
Project Name: 7717_C-24-2 Line Leak										State: NM Zip: 88240																	
Project Location:										Phone #: 575-318-5017																	
Sampler Name: Kendon Stark										Fax #:																	
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX					PRESERV.	SAMPLING		TPH 8015 Ext BTEX Chlorides Hold 24-hr Rush															
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL														OTHER :	DATE	TIME
H244241		G	1			X					X															7/15/24	1240
S1	HA-8 @ 3'	G	1			X					X															7/15/24	1245
S2	HA-8 @ 4'	G	1			X					X															7/15/24	1250
S3	HA-8 @ 6'	G	1			X					X															7/15/24	1250
S4	OS-1 @ 0-0.5'	G	1			X					X															7/16/24	0822
S5	OS-2 @ 0-0.5'	G	1			X					X															7/16/24	0822
S6	OS-3 @ 0-0.5'	G	1			X					X															7/16/24	0830
S7	OS-4 @ 0-0.5'	G	1			X					X															7/16/24	0835
S8	OS-5 @ 0-0.5'	G	1			X					X		7/16/24	0840													
S9	OS-6 @ 0-0.5'	G	1			X					X		7/16/24	0845													
S10	OS-7 @ 0-0.5'	G	1			X					X		7/16/24	0850													

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Relinquished By: _____
Kendon Stark

Relinquished By: _____

Delivered By: (Circle One)
 Sampler - UPS - Bus - Other:
 -12.0
 #146

Date: *7/16/24*

Time: *1359*

Date: _____

Time: _____

Received By: _____
A. Jones

Received By: _____

Sample Condition Cool Intact
☒ Yes ☐ No

CHECKED BY:
(Initials)
PP

Phone Result: ☐ Yes ☒ No **Add'l Phone #:** _____

Fax Result: ☐ Yes ☒ No **Add'l Fax #:** _____

REMARKS:
 email results: NMDData@tasman-geo.com
 Janice.L.Hyman@p66.com; Albert.L.Hyman@p66.com

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476



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

January 23, 2025

KYLE NORMAN

TASMAN GEOSCIENCES

6899 PECOS ST. UNIT C

DENVER, CO 80221

RE: 7717_C-24-1 LINE LEAK

Enclosed are the results of analyses for samples received by the laboratory on 01/17/25 16:06.

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".

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

TASMAN GEOSCIENCES
 KYLE NORMAN
 6899 PECOS ST. UNIT C
 DENVER CO, 80221
 Fax To:

Received: 01/17/2025
 Reported: 01/23/2025
 Project Name: 7717_C-24-1 LINE LEAK
 Project Number: NAPP2417743733
 Project Location: DCP OPER.

Sampling Date: 01/17/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: BACKFILL (H250307-01)

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	01/22/2025	ND	1.96	97.8	2.00	1.36		
Toluene*	<0.050	0.050	01/22/2025	ND	2.05	103	2.00	1.39		
Ethylbenzene*	<0.050	0.050	01/22/2025	ND	1.97	98.4	2.00	1.30		
Total Xylenes*	<0.150	0.150	01/22/2025	ND	5.78	96.3	6.00	1.69		
Total BTX	<0.300	0.300	01/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.1 % 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	64.0	16.0	01/22/2025	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	01/21/2025	ND	218	109	200	1.44	
DRO >C10-C28*	<10.0	10.0	01/21/2025	ND	194	96.9	200	4.78	
EXT DRO >C28-C36	<10.0	10.0	01/21/2025	ND					

Surrogate: 1-Chlorooctane 93.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.2 % 49.1-148

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", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager



ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603
(505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325) 673-7020

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

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.

Relinquished By:	Date:	Received By:	Phone Result:	Add'l Phone #:
<i>[Signature]</i>	1/17/25	<i>[Signature]</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
	Time:		Fax Result:	Add'l Fax #:
	1:00:00		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Relinquished By:	Date:	Received By:	REMARKS:	
	Time:		email results: NMDData@tasman-geo.com	
			Weathers, Stephen Stephen.Weathers@p66.com	
			bmartinez@tasman-geo.com	
Delivered By: (Circle One)		Sample Condition Cool	CHECKED BY:	
Sampler - UPS - Bus - Other:		Intact	(Initials)	
1.2 / CO. 0.0		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<i>[Signature]</i>	
1.3 / #140		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476



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

January 20, 2025

KYLE NORMAN

TASMAN GEOSCIENCES

6899 PECOS ST. UNIT C

DENVER, CO 80221

RE: 7717_C-24-1 LINE LEAK

Enclosed are the results of analyses for samples received by the laboratory on 01/17/25 16:06.

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:

TASMAN GEOSCIENCES
 KYLE NORMAN
 6899 PECOS ST. UNIT C
 DENVER CO, 80221
 Fax To:

Received:	01/17/2025	Sampling Date:	01/16/2025
Reported:	01/20/2025	Sampling Type:	Soil
Project Name:	7717_C-24-1 LINE LEAK	Sampling Condition:	Cool & Intact
Project Number:	NAPP2417743733	Sample Received By:	Alyssa Parras
Project Location:	DCP OPER.		

Sample ID: OS-1 @ 1' (H250308-01)

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	01/18/2025	ND	2.23	111	2.00	7.63		
Toluene*	<0.050	0.050	01/18/2025	ND	2.17	109	2.00	3.83		
Ethylbenzene*	<0.050	0.050	01/18/2025	ND	2.36	118	2.00	1.76		
Total Xylenes*	<0.150	0.150	01/18/2025	ND	7.26	121	6.00	2.09		
Total BTEX	<0.300	0.300	01/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 126 % 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	16.0	16.0	01/20/2025	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	01/18/2025	ND	198	99.2	200	4.22	
DRO >C10-C28*	<10.0	10.0	01/18/2025	ND	202	101	200	5.63	
EXT DRO >C28-C36	<10.0	10.0	01/18/2025	ND					

Surrogate: 1-Chlorooctane 88.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.4 % 49.1-148

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:

TASMAN GEOSCIENCES
 KYLE NORMAN
 6899 PECOS ST. UNIT C
 DENVER CO, 80221
 Fax To:

Received:	01/17/2025	Sampling Date:	01/16/2025
Reported:	01/20/2025	Sampling Type:	Soil
Project Name:	7717_C-24-1 LINE LEAK	Sampling Condition:	Cool & Intact
Project Number:	NAPP2417743733	Sample Received By:	Alyssa Parras
Project Location:	DCP OPER.		

Sample ID: OS-10 @ 1' (H250308-02)

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	01/18/2025	ND	2.23	111	2.00	7.63		
Toluene*	<0.050	0.050	01/18/2025	ND	2.17	109	2.00	3.83		
Ethylbenzene*	<0.050	0.050	01/18/2025	ND	2.36	118	2.00	1.76		
Total Xylenes*	<0.150	0.150	01/18/2025	ND	7.26	121	6.00	2.09		
Total BTX	<0.300	0.300	01/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 128 % 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	01/20/2025	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	01/18/2025	ND	198	99.2	200	4.22	
DRO >C10-C28*	<10.0	10.0	01/18/2025	ND	202	101	200	5.63	
EXT DRO >C28-C36	<10.0	10.0	01/18/2025	ND					

Surrogate: 1-Chlorooctane 86.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TASMAN GEOSCIENCES
 KYLE NORMAN
 6899 PECOS ST. UNIT C
 DENVER CO, 80221
 Fax To:

Received:	01/17/2025	Sampling Date:	01/16/2025
Reported:	01/20/2025	Sampling Type:	Soil
Project Name:	7717_C-24-1 LINE LEAK	Sampling Condition:	Cool & Intact
Project Number:	NAPP2417743733	Sample Received By:	Alyssa Parras
Project Location:	DCP OPER.		

Sample ID: OS-11 @ 1' (H250308-03)

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	01/18/2025	ND	2.23	111	2.00	7.63		
Toluene*	<0.050	0.050	01/18/2025	ND	2.17	109	2.00	3.83		
Ethylbenzene*	<0.050	0.050	01/18/2025	ND	2.36	118	2.00	1.76		
Total Xylenes*	<0.150	0.150	01/18/2025	ND	7.26	121	6.00	2.09		
Total BTEX	<0.300	0.300	01/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 126 % 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	16.0	16.0	01/20/2025	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	01/18/2025	ND	198	99.2	200	4.22	
DRO >C10-C28*	<10.0	10.0	01/18/2025	ND	202	101	200	5.63	
EXT DRO >C28-C36	<10.0	10.0	01/18/2025	ND					

Surrogate: 1-Chlorooctane 89.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.1 % 49.1-148

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:

TASMAN GEOSCIENCES
 KYLE NORMAN
 6899 PECOS ST. UNIT C
 DENVER CO, 80221
 Fax To:

Received: 01/17/2025
 Reported: 01/20/2025
 Project Name: 7717_C-24-1 LINE LEAK
 Project Number: NAPP2417743733
 Project Location: DCP OPER.

Sampling Date: 01/17/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: OS-3 @ 1' (H250308-04)

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	01/18/2025	ND	2.23	111	2.00	7.63		
Toluene*	<0.050	0.050	01/18/2025	ND	2.17	109	2.00	3.83		
Ethylbenzene*	<0.050	0.050	01/18/2025	ND	2.36	118	2.00	1.76		
Total Xylenes*	<0.150	0.150	01/18/2025	ND	7.26	121	6.00	2.09		
Total BTEX	<0.300	0.300	01/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 130 % 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	64.0	16.0	01/20/2025	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	01/18/2025	ND	180	90.1	200	3.76	
DRO >C10-C28*	<10.0	10.0	01/18/2025	ND	180	90.0	200	4.90	
EXT DRO >C28-C36	<10.0	10.0	01/18/2025	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476



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

January 16, 2025

KYLE NORMAN

TASMAN GEOSCIENCES

6899 PECOS ST. UNIT C

DENVER, CO 80221

RE: 7717_C-24-1 LINE LEAK

Enclosed are the results of analyses for samples received by the laboratory on 01/16/25 8:02.

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:

TASMAN GEOSCIENCES
 KYLE NORMAN
 6899 PECOS ST. UNIT C
 DENVER CO, 80221
 Fax To:

Received: 01/16/2025
 Reported: 01/16/2025
 Project Name: 7717_C-24-1 LINE LEAK
 Project Number: NAPP2417743733
 Project Location: DCP OPER.

Sampling Date: 01/15/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: HA-2 @ 10' (H250229-01)

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	01/16/2025	ND	2.08	104	2.00	0.868	
Toluene*	<0.050	0.050	01/16/2025	ND	2.21	110	2.00	0.229	
Ethylbenzene*	<0.050	0.050	01/16/2025	ND	2.25	112	2.00	0.127	
Total Xylenes*	<0.150	0.150	01/16/2025	ND	6.82	114	6.00	0.126	
Total BTX	<0.300	0.300	01/16/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	5440	16.0	01/16/2025	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	01/16/2025	ND	195	97.7	200	1.29	
DRO >C10-C28*	<10.0	10.0	01/16/2025	ND	199	99.3	200	2.39	
EXT DRO >C28-C36	<10.0	10.0	01/16/2025	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TASMAN GEOSCIENCES
 KYLE NORMAN
 6899 PECOS ST. UNIT C
 DENVER CO, 80221
 Fax To:

Received: 01/16/2025
 Reported: 01/16/2025
 Project Name: 7717_C-24-1 LINE LEAK
 Project Number: NAPP2417743733
 Project Location: DCP OPER.

Sampling Date: 01/15/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: HA-2 @ 14' (H250229-02)

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	01/16/2025	ND	2.08	104	2.00	0.868		
Toluene*	<0.050	0.050	01/16/2025	ND	2.21	110	2.00	0.229		
Ethylbenzene*	<0.050	0.050	01/16/2025	ND	2.25	112	2.00	0.127		
Total Xylenes*	<0.150	0.150	01/16/2025	ND	6.82	114	6.00	0.126		
Total BTX	<0.300	0.300	01/16/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	16.0	16.0	01/16/2025	ND	448	112	400	3.51	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/16/2025	ND	195	97.7	200	1.29	
DRO >C10-C28*	<10.0	10.0	01/16/2025	ND	199	99.3	200	2.39	
EXT DRO >C28-C36	<10.0	10.0	01/16/2025	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in cursive script, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

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Appendix E – Well Log



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) Pod 1		WELL TAG ID NO.		OSE FILE NO(S). CP-2046		
	WELL OWNER NAME(S) Phillips 66				PHONE (OPTIONAL)		
	WELL OWNER MAILING ADDRESS P.O. BOX 3641				CITY Hobbs	STATE NM	ZIP 88241
	WELL LOCATION (FROM GPS)	DEGREES		MINUTES	SECONDS	* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84	
		LATITUDE		44	59.3 N		
LONGITUDE		103	41	23.8 W			
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE S8 T18s R33e							

2. DRILLING & CASING INFORMATION	LICENSE NO. WD-1862		NAME OF LICENSED DRILLER James Hawley			NAME OF WELL DRILLING COMPANY H&R Enterprises, LLC		
	DRILLING STARTED 1-27-25	DRILLING ENDED 1-27-25	DEPTH OF COMPLETED WELL (FT) 65'	BORE HOLE DEPTH (FT) 65'	DEPTH WATER FIRST ENCOUNTERED (FT) N/A			
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN *add <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED) <small>Centralizer info below</small>				STATIC WATER LEVEL IN COMPLETED WELL (FT) N/A	DATE STATIC MEASURED 1-30-25		
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES – SPECIFY:							
	DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER – SPECIFY:					CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>		
	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0'	65'	6'	No casing left in hole				

3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE- RANGE BY INTERVAL *(if using Centralizers for Artesian wells- indicate the spacing below)	AMOUNT (cubic feet)	METHOD OF PLACEMENT
	FROM	TO				
				N/A		

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 09/22/2022)

FILE NO.	POD NO.	TRN NO.
LOCATION	WELL TAG ID NO.	PAGE 1 OF 2

1. HYDROGEOLOGIC LOG OF WELL

5. TEST: RIG SUPERVISION

6. SIGNATURE

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 09/22/2022)	
FILE NO.	POD NO.	TRN NO.	
LOCATION		WELL TAG ID NO.	PAGE 2 OF 2



PLUGGING RECORD



NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

I. GENERAL / WELL OWNERSHIP:

State Engineer Well Number: CP-2046-POD1

Well owner: Phillips 66

Phone No.: _____

Mailing address: P.O. Box 3641

City: Hobbs State: NM Zip code: 88241

II. WELL PLUGGING INFORMATION:

- 1) Name of well drilling company that plugged well: H&R Enterprises, LLC.
- 2) New Mexico Well Driller License No.: WD-1862 Expiration Date: 6-16-25
- 3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s):
Nathan Smelcer
- 4) Date well plugging began: 1-30-25 Date well plugging concluded: 1-30-25
- 5) GPS Well Location: Latitude: 32 deg, 44 min, 59.3 sec
Longitude: 103 deg, 41 min, 23.8 sec, WGS 84
- 6) Depth of well confirmed at initiation of plugging as: 65' ft below ground level (bgl),
by the following manner: well sounder
- 7) Static water level measured at initiation of plugging: N/A ft bgl
- 8) Date well plugging plan of operations was approved by the State Engineer: 1-14-25
- 9) Were all plugging activities consistent with an approved plugging plan? yes If not, please describe differences between the approved plugging plan and the well as it was plugged (attach additional pages as needed):

- For each interval plugged, describe within the following columns:**

III. SIGNATURE:

Signature of _____

1-30-25

Date _____

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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 427719

QUESTIONS

Operator: DCP OPERATING COMPANY, LP 2331 Citywest Blvd Houston, TX 77042	OGRID: 36785
	Action Number: 427719
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2417743733
Incident Name	NAPP2417743733 C-24-1 LINE LEAK @ 0
Incident Type	Blow Out
Incident Status	Remediation Plan Received

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	C-24-1 LINE LEAK
Date Release Discovered	06/23/2024
Surface Owner	Federal

Incident Details	
<i>Please answer all the questions in this group.</i>	
Incident Type	Blow Out
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	
<i>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.</i>	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Blow Out Pipeline (Any) Produced Water Released: 7 BBL Recovered: 0 BBL Lost: 7 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 427719

QUESTIONS (continued)

Operator: DCP OPERATING COMPANY, LP 2331 Citywest Blvd Houston, TX 77042	OGRID: 36785
	Action Number: 427719
	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	No
Reasons why this would be considered a submission for a notification of a major release	<i>Unavailable.</i>
<i>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.</i>	

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	<i>Not answered.</i>

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: Stephen Weathers Title: Principal Environmental Specialist DCP Email: SWWeathers@dcpmidstream.com Date: 02/03/2025
--	--

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QUESTIONS, Page 3

Action 427719

QUESTIONS (continued)

Operator: DCP OPERATING COMPANY, LP 2331 Citywest Blvd Houston, TX 77042	OGRID: 36785
	Action Number: 427719
	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 51 and 75 (ft.)
What method was used to determine the depth to ground water	Direct Measurement
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 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between ½ and 1 (mi.)
An occupied permanent residence, school, hospital, institution, or church	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	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between ½ and 1 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	None
A 100-year floodplain	Greater than 5 (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)	13200
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	32210
GRO+DRO (EPA SW-846 Method 8015M)	26710
BTEX (EPA SW-846 Method 8021B or 8260B)	138
Benzene (EPA SW-846 Method 8021B or 8260B)	8.6
<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	01/20/2025
On what date will (or did) the final sampling or liner inspection occur	02/12/2025
On what date will (or was) the remediation complete(d)	02/28/2025
What is the estimated surface area (in square feet) that will be reclaimed	25000
What is the estimated volume (in cubic yards) that will be reclaimed	650
What is the estimated surface area (in square feet) that will be remediated	1800
What is the estimated volume (in cubic yards) that will be remediated	650
<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 427719

QUESTIONS (continued)

Operator: DCP OPERATING COMPANY, LP 2331 Citywest Blvd Houston, TX 77042	OGRID: 36785
	Action Number: 427719
	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	LEA LAND LANDFILL [fEEM0112342028]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Stephen Weathers Title: Principal Environmental Specialist DCP Email: SWWeathers@dcpmidstream.com Date: 02/03/2025
<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 427719

QUESTIONS (continued)

Operator: DCP OPERATING COMPANY, LP 2331 Citywest Blvd Houston, TX 77042	OGRID: 36785
	Action Number: 427719
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Deferral Requests Only	
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.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS, Page 6

Action 427719

QUESTIONS (continued)

Operator: DCP OPERATING COMPANY, LP 2331 Citywest Blvd Houston, TX 77042	OGRID: 36785
	Action Number: 427719
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	{Unavailable.}

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 427719

CONDITIONS

Operator: DCP OPERATING COMPANY, LP 2331 Citywest Blvd Houston, TX 77042	OGRID: 36785
	Action Number: 427719
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	The Remediation Plan is conditionally approved. Confirmation samples must be collected from the overspray area as well as all excavated areas. All samples must be analyzed for all constituents listed in Table I of 19.15.29.12 NMAC. Floor confirmation samples should be delineated/excavated to meet closure criteria standards for site assessment/characterization/proven depth to water determination. Sidewall samples should be delineated/excavated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release. The variance request to collect confirmation samples that represent no greater than 400 ft2 is approved. Two-business day sampling notification pursuant to 19.15.29.12.D.(1).(a) NMAC is required.	2/7/2025