

O-1 LINE LEAK

Remediation Action Plan

NMOCD Incident No. nAPP2230128101
UL "I", Sec. 36, T17S, R31E
32.78793°, -103.81779°
Eddy County, New Mexico

May 19, 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



May 19, 2025

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

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

Re: Remediation Action Plan
O-1 Line Leak
UL "I", Section 36, Township 17 South, Range 31 East
Eddy County, New Mexico
NMOCD Incident No. nAPP2230128101
Tasman Project No. 4863

Dear Mr. Smalts,

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 an approximately 8,045-square foot area that had been impacted by the release and its overspray. 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
Senior Project Manager
bdennis@tasman-geo.com

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SW Regional Manager
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1.0 INTRODUCTION

Tasman, Inc. (Tasman) is pleased to submit this Remediation Action Plan for the O-1 Line Leak (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 “I” of Section 36, Township 17 South, Range 31 East in Eddy County, New Mexico. The release occurred from the O-1 pipeline, a 4-inch diameter steel natural gas pipeline on property held by the New Mexico State Land Office (NMSLO) (lessee Jim Ross Caviness). A site location map can be found attached as Figure 1.

1.2 Release Detail and Initial Response

On October 14, 2022, the O-1 pipeline was discovered by DCP personnel to have failed due to internal corrosion. A Notification of Release (NOR) was provided to the NMOCD via online portal on October 28, 2022. The release resulted in the loss of approximately 23 barrels (bbls) of natural gas condensate and an unknown amount of natural gas to the surrounding environmental media. DCP personnel shut in the pipeline to isolate the release. The line was later repaired and returned to service. No natural gas or natural gas condensate was recovered.

A copy of NMOCD 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 United States Geologic Survey (USGS) for registered water wells near the site. The nearest registered water well, identified as USGS 324600103484601, is located 1.48 miles south of the site. The depth to water was measured at 454 feet below ground surface (bgs) in March 1994.

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 March 17, 1994, that is assumed to be USGS 34600103484601. The well is located 1.48 miles from the site. The location of USGS 34600103484601 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 freshwater emergent wetland is located approximately 2.59 miles east of the site. The nearest significant surface water was identified as Little Lake, located 3.49 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 FIRMe 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 Archaeological & Biological Survey/Review

On October 17, 2022, a third party conducted a review of the New Mexico Cultural Resource Information System (NMCRIIS) as Activity Number 151300 and performed field investigation on November 4, 2022. Neither desktop or field investigation showed evidence of cultural resources at the site. A copy of the NMCRIIS Investigation Abstract Form cover page can be attached as Appendix C.

On September 18, 2024, the Center for Environmental Health Monitoring and Management (CEHMM) was consulted on potential habitat for listed endangered species. The site has been identified as suitable habitat for the dunes sagebrush lizard.

2.8 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:	~ 454 ft bgs	
Within an area of high karst potential?	☐ Yes	☒ No
Within 300 ft. of any continuously flowing of significant watercourse?	☐ Yes	☒ No
Within 200 ft. of any lakebed, sinkhole, or playa lake?	☐ Yes	☒ No
Within 300 ft. of an occupied permanent residence, school, hospital, or institution?	☐ Yes	☒ No
Within 500 ft. of a spring or private, domestic fresh water well?	☐ Yes	☒ No
Within 1,000 ft. of any fresh water well?	☐ Yes	☒ No
Within the incorporated municipal boundaries or within a municipal well field?	☐ Yes	☒ No
Within 300 ft. of a wetland?	☐ Yes	☒ No
Within the area overlying a subsurface mine?	☐ Yes	☒ No
Within an unstable area?	☐ Yes	☒ No
Within a 100-year floodplain?	☐ Yes	☒ 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. Due to there being no available groundwater data within a one-half mile radius of the site, the NMOCD Action Levels for a site with a depth to groundwater of less than 50 feet bgs were utilized; these Action Levels are as follows:

Constituent	Action Level
Chloride	600 mg/kg
TPH (GRO+DRO+MRO)	100 mg/kg
TPH (GRO+DRO)	N/A
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

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 October 17, 2022, Tasman was retained by DCP to respond to a release of natural gas and natural gas condensate at the site. Initial observations indicated a release area of approximately 2,245 square feet (ft²) and an overspray area of 5,800 ft². A photographic log of the release area is included as Appendix D.

On February 6, 2023, Tasman advanced twelve soil borings (HA-1 through HA-12) via hand auger to delineate the release area (HA-1 through HA-5 and HA-9 through HA-12) and overspray area (HA-6, HA-7, and HA-8) vertically. Each of these soil borings were advanced within the observed release area to depths ranging from 3 feet bgs to 6 feet bgs.

On May 5 and 6, 2025, Tasman mobilized to the site to collect additional delineation samples via hand auger (HA-13 through HA-18). Each of the hand auger soil borings were advanced to 4 ft bgs, except for HA-18 at which auger refusal was encountered at 3 ft bgs.

The attached Figure 5 illustrates the observed release and overspray area and location of soil sample locations.

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 TPH were detected greater than Remediation Levels in the soil samples collected from soil boring HA-4 at 0.5 ft bgs (10,425 milligrams per kilogram [mg/kg]) and from soil boring HA-5 at 0.5 ft bgs (942 mg/kg). Remaining concentrations ranged from 14.1 mg/kg to 73.1 mg/kg).

Concentrations of chlorides were not detected above Action Levels in any of the soil samples collected for laboratory analysis. Detected concentration above laboratory detection limits

ranged from 16.0 mg/kg to 448 mg/kg.

Concentrations of BTEX were not detected above Action Levels in any of the soil samples collected for laboratory analysis. One detected concentration above laboratory detection limits occurred in soil boring HA-4 at 0.5 ft bgs (2.69 mg/kg).

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

5.0 PROPOSED REMEDIAL ACTIONS

Tasman proposes to remediate the areas surrounding hand auger soil borings HA-4 and HA-5 using physical removal of soil. 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.

5.1 Variance Request

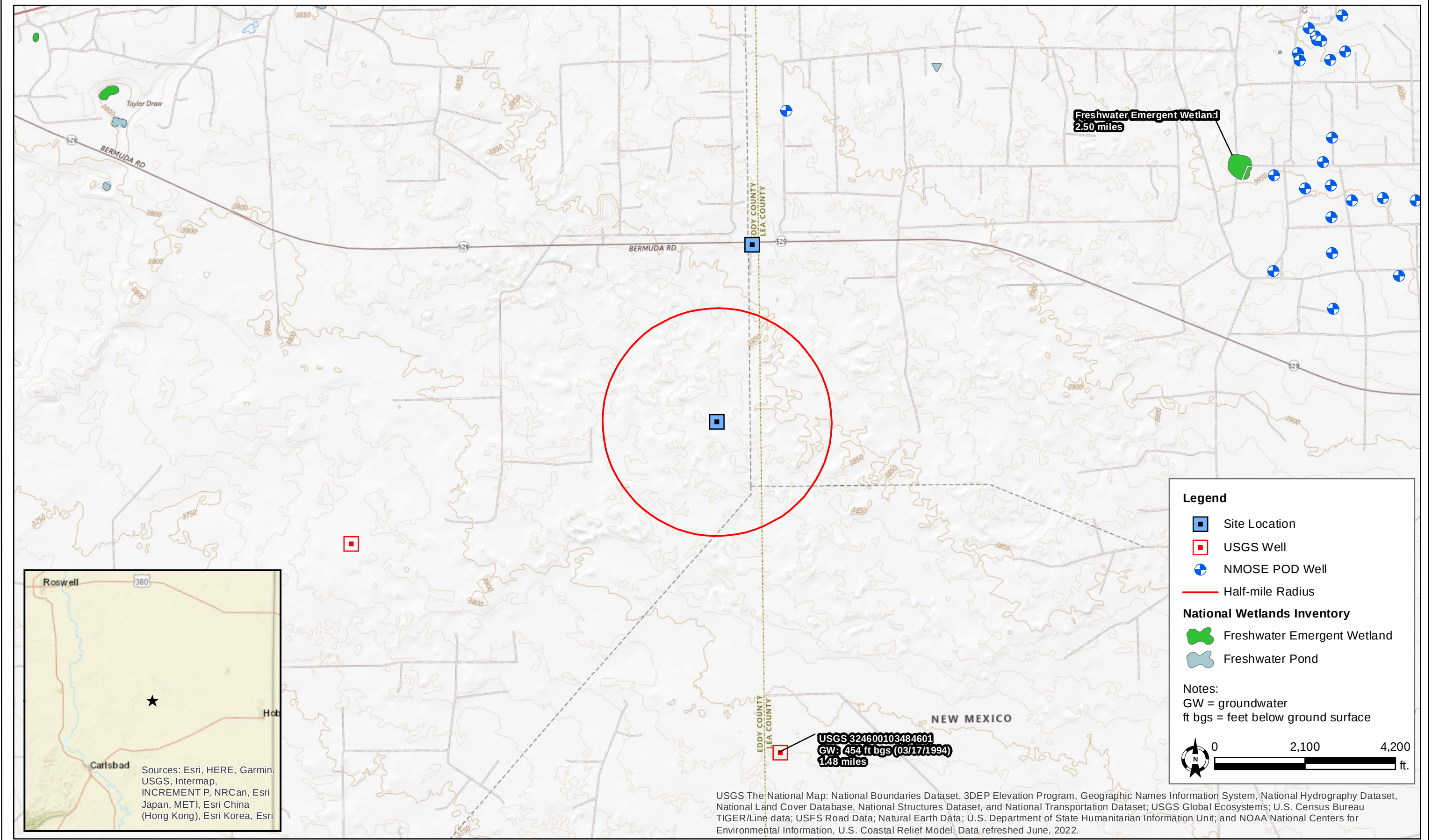
Tasman, on behalf of DCP, requests that a variance of NMAC 19.15.29.12 be granted for the collection of confirmation samples as five-point composite samples not to represent an area greater than 400 ft².

6.0 PROPOSED RECLAMATION AND REVEGETATION

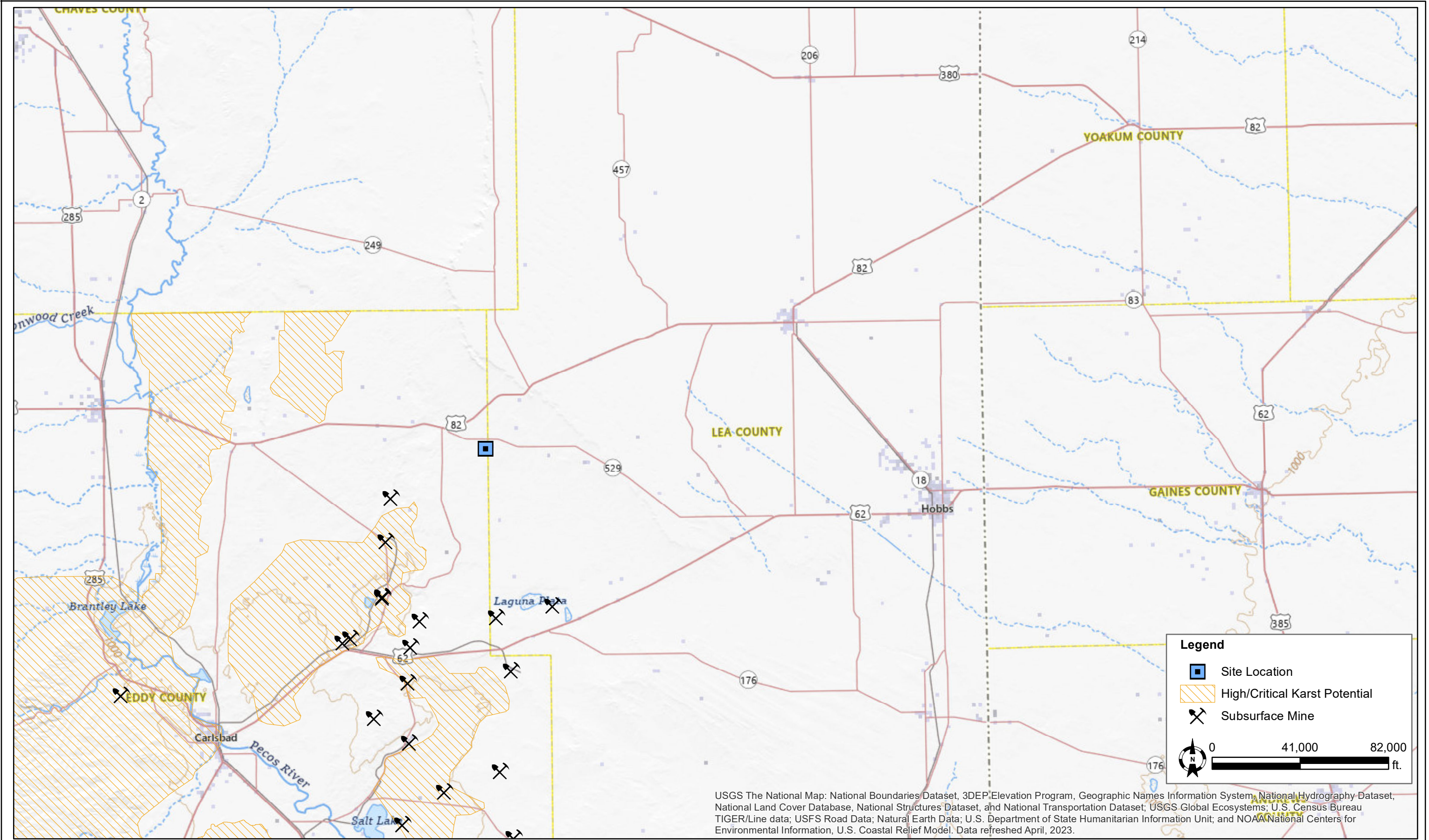
Upon receipt of confirmation samples that indicate remediation objectives have been met, areas affected by the release and associated remediation activities will be restored to the condition which existed prior to the release to the maximum extent possible. Excavated areas will be backfilled with non-impacted “like” material and contoured and/or compacted to achieve erosion control, stability, and preservation of surface water flow to the extent practicable.

The NMSLO (surface owner) will be consulted for their preference in native seed mix. Upon NMSLO approval, Tasman will seed the area using the approved seed mixture during the next favorable growing season. The seed mix will be broadcast at a rate two times the suggested amount to ensure the greatest likelihood for sufficient germination. The seed will be “set” using mechanical means (e.g., screen or disc harrow) following the seeding event.

Figures



DATE: August 2024	 Tasman, Inc. 2620 W. Marland Blvd. Hobbs, NM 88240	DCP Operating Company, LP O-1 Line Leak - nAPP2230128101 UL "I", Sec. 36. T17S, R31E Eddy County, New Mexico	Site Location & Groundwater Map	Figure 1
DESIGNED BY: L. Flores				
DRAWN BY: L. Flores				



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



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Broomfield, CO 80020

DCP Operating Company, LP
O-1 Line Leak - nAPP2230128101
UL "I", Sec. 36. T17S, R31E
Eddy County, New Mexico

Karst Potential & Subsurface
Mine Map

Figure
2



DATE:	August 2024
DESIGNED BY:	L. Flores
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 6855 W. 119th Ave
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 Eddy County, New Mexico

Surface Water Map

Figure
3

National Flood Hazard Layer FIRMette



103°49'23"W 32°47'32"N



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1:6,000

103°48'45"W 32°47'1"N

Basemap Imagery Source: USGS National Map 2023

Legend

Figure 4

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
OTHER FEATURES		Levee, Dike, or Floodwall
		Cross Sections with 1% Annual Chance Water Surface Elevation
OTHER FEATURES		Coastal Transect
		Base Flood Elevation Line (BFE)
OTHER FEATURES		Limit of Study
		Jurisdiction Boundary
OTHER FEATURES		Coastal Transect Baseline
		Profile Baseline
OTHER FEATURES		Hydrographic Feature
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped

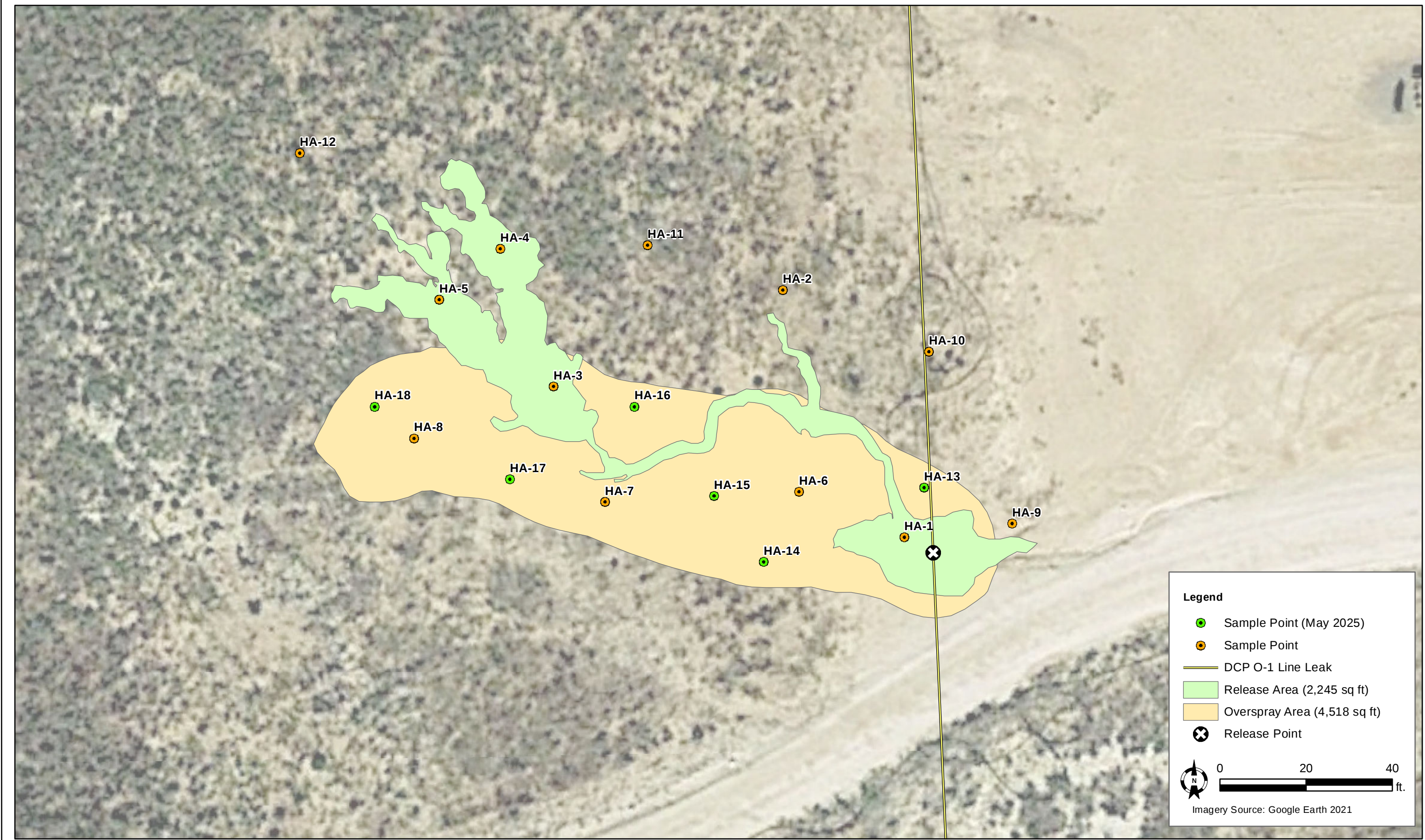


The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 8/13/2024 at 12:48 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:	May 2025
DESIGNED BY:	B. Dennis, C. Flores
DRAWN BY:	K. Stark



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2620 W. Marland Blvd.
Hobbs, NM 88240

DCP Operating Company, LP
O-1 Line Leak - nAPP2230128101
UL "I", Sec. 36. T17S, R31E
Eddy County, New Mexico

Delineation Overview Map

Figure
5

Table

TABLE 1 - SOIL ANALYTICAL SUMMARY - BTEX, TPH, and CHLORIDES
DCP Operating Company, LP
O-1 Line Leak
NMOCD Incident No. nAPP2230128101

Sample ID	Sample Depth	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'	2/6/2023	In-Situ	7.9	84	---	---	---	---	---	---	---	
	1'		In-Situ	12.2	57	<0.050	<0.300	<10.0	50.1	10.7	60.8	16.0	
	2'		In-Situ	10.6	57	---	---	---	---	---	---	---	
	3'		In-Situ	7.3	59	---	---	---	---	---	---	---	
HA-2	0-0.5'	2/6/2023	In-Situ	9.2	60	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	64.0	
	1'		In-Situ	4.3	60	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	64.0	
	2'		In-Situ	9.2	60	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	32.0	
	3'		In-Situ	6.7	56	---	---	---	---	---	---	---	
	4'		In-Situ	7.1	59	---	---	---	---	---	---	---	
	5'		In-Situ	6.8	57	---	---	---	---	---	---	---	
	6'		In-Situ	14.7	50	<0.050	<0.300	<10.0	61.8	11.3	73.1	32.0	
HA-3	0-0.5'	2/6/2023	In-Situ	6.2	58	---	---	---	---	---	---	---	
	1'		In-Situ	6.3	58	<0.050	<0.300	<10.0	14.1	<10.0	14.1	32.0	
	2'		In-Situ	18.5	59	<0.050	<0.300	<10.0	37.1	<10.0	37.1	16.0	
	3'		In-Situ	11.4	58	---	---	---	---	---	---	---	
	4'		In-Situ	11.1	58	---	---	---	---	---	---	---	
HA-4	0-0.5'	2/6/2023	In-Situ	10.3	60	---	---	---	---	---	---	---	
	1'		In-Situ	6.8	58	---	---	---	---	---	---	---	
	2'		In-Situ	3.7	55	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	48.0	
	3'		In-Situ	588.7	58	<0.50	2.69	325	9,060	1,040	10,425	32.0	
	4'		In-Situ	110.5	58	---	---	---	---	---	---	---	
	5'		In-Situ	240.5	55	---	---	---	---	---	---	---	
	6'		In-Situ	42.5	58	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	32.0	
HA-5	0-0.5'	2/6/2023	In-Situ	31.5	56	---	---	---	---	---	---	---	
	1'		In-Situ	9.2	57	---	---	---	---	---	---	---	
	2'		In-Situ	4.7	57	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	32.0	
	3'		In-Situ	155.5	56	<0.050	<0.300	<50.0	836	106	942	32.0	
	4'		In-Situ	32.1	57	---	---	---	---	---	---	---	
	5'		In-Situ	28.2	55	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	32.0	
	6'		In-Situ	18.6	55	---	---	---	---	---	---	---	
HA-6	0-0.5'	2/6/2023	In-Situ	22.8	60	---	---	---	---	---	---	---	
	1'		In-Situ	6.7	59	---	---	---	---	---	---	---	
	2'		In-Situ	5.3	89	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	96.0	
	3'		In-Situ	1.9	1,223	---	---	---	---	---	---	---	
	4'		In-Situ	3.7	59	---	---	---	---	---	---	---	
HA-7	0-0.5'	2/6/2023	In-Situ	4.9	55	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	32.0	
	1'		In-Situ	3.0	56	---	---	---	---	---	---	---	
	2'		In-Situ	4.9	55	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	32.0	
	3'		In-Situ	1.0	59	---	---	---	---	---	---	---	
	4'		In-Situ	2.3	56	---	---	---	---	---	---	---	
HA-8	0-0.5'	2/6/2023	In-Situ	2.5	55	---	---	---	---	---	---	---	
	1'		In-Situ	5.2	55	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	288	
	2'		In-Situ	1.4	59	---	---	---	---	---	---	---	
	3'		In-Situ	3.4	59	---	---	---	---	---	---	---	
	4'		In-Situ	6.8	57	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	16.0	
HA-9	0-0.5'	2/6/2023	In-Situ	3.2	58	---	---	---	---	---	---	---	
	1'		In-Situ	3.3	58	---	---	---	---	---	---	---	
	2'		In-Situ	3.3	56	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	48.0	
	3'		In-Situ	5.3	310	---	---	---	---	---	---	---	
	4'		In-Situ	7.3	225	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	448	
HA-10	0-0.5'	2/6/2023	In-Situ	3	84	---	---	---	---	---	---	---	
	1'		In-Situ	3	84	---	---	---	---	---	---	---	
	2'		In-Situ	3.3	57	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	32.0	
	3'		In-Situ	7.5	59	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	48.0	
	4'		In-Situ	2.8	56	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	48.0	
HA-11	0-0.5'	2/6/2023	In-Situ	1.1	58	---	---	---	---	---	---	---	
	1'		In-Situ	1.0	60	---	---	---	---	---	---	---	
	2'		In-Situ	1.7	58	---	---	---	---	---	---	---	
	3'		In-Situ	7.5	58	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	64.0	
	4'		In-Situ	1.2	61	---	---	---	---	---	---	---	
HA-12	0-0.5'	2/6/2023	In-Situ	2.2	57	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	32.0	
	1'		In-Situ	0.3	58	---	---	---	---	---	---	---	
	2'		In-Situ	3.0	56	---	---	---	---	---	---	---	
	3'		In-Situ	3.3	55	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	32.0	
	4'		In-Situ	4.1	57	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	32.0	
HA-13	0-0.5'	5/5/2025	In-Situ	1.4	55	---	---	---	---	---	---	---	
	1'		In-Situ	3.9	58	---	---	---	---	---	---	---	
	2'		In-Situ	2.9	56	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	32.0	
	3'		In-Situ	0.5	116	<0.025	<0.150	<10.0	10.7	<10.0	10.7	16.0	
	4'		In-Situ	0	148	---	---	---	---	---	---	---	
HA-14	0-0.5'	5/5/2025	In-Situ	0.1	114	---	---	---	---	---	---	---	
	1'		In-Situ	0.5	146	---	---	---	---	---	---	---	
	2'		In-Situ	0.6	147	<0.025	<0.150	<10.0	<10.0	<10.0	<10.0	16.0	
	3'		In-Situ	0.7	111	<0.025	<0.150	<10.0	<10.0	<10.0	<10.0	<16.0	
	4'		In-Situ	0.0	143	---	---	---	---	---	---	---	
HA-15	0-0.5'	5/6/2025	In-Situ	0	152	---	---	---	---	---	---	---	
	1'		In-Situ	0.0	84	---	---	---	---	---	---	---	
	2'		In-Situ	0.0	142	<0.025	<0.150	<10.0	<10.0	<10.0	<10.0	32.0	
	3'		In-Situ	0.2	89	<0.025	<0.150	<10.0	<10.0	<10.0	<10.0	<16.0	
	4'		In-Situ	0.0	117	---	---	---	---	---	---	---	
HA-16	0-0.5'	5/6/2025	In-Situ	0.0	114	---	---	---	---	---	---	---	
	1'		In-Situ	0.0	145	---	---	---	---	---	---	---	
	2'		In-Situ	0.0	144	<0.025	<0.150	<10.0	<10.0	<10.0	<10.0	<16.0	
	3'		In-Situ	0.0	167	<0.025	<0.150	<10.0	<10.0	<10.0	<10.0	<16.0	
	4'		In-Situ	0.0	148	---	---	---	---	---	---	---	
HA-17	0-0.5'	5/6/2025	In-Situ	0.0	114	---	---	---	---	---	---	---	
	1'		In-Situ	0.0	120	<0.025	<0.150	<10.0	<10.0	<10.0	<10.0	32.0	
	2'		In-Situ	0.0	85	<0.025	<0.150	<10.0	<10.0	<10.0	<10.0	32.0	
	3'		In-Situ	0.0	146	---	---	---	---	---	---	---	
	4'		In-Situ	0.0	113	---	---	---	---	---	---	---	
HA-18	0-0.5'	5/6/2025	In-Situ	0.0	120	---	---	---	---	---	---	---	
	1'		In-Situ	0.0	145	<0.025	<0.150	<10.0	<10.0	<10.0	<10.0	<16.0	
	2'		In-Situ	0.0	87	<0.025	<0.150	<10.0	<10.0	<10.0	<10.0	32.0	
	3'		In-Situ	0.0	148	---	---	---	---	---	---	---	
	4'		In-Situ	0.0	147	---	---	---	---	---	---	---	
NMOCD Remediation and Delineation Standards ⁴				N/A	N/A	10	50	N/A				100	600

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 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

<RL = The analyte was not detected above the laboratory reporting limit (RL)

N/A = Not applicable

Ft. = feet

Appendix A – 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:	154542	Districts:	Artesia
Operator:	[36785] DCP OPERATING COMPANY, LP	Counties:	Eddy
Description:	DCP OPERATING COMPANY, LP [36785] , O-1 LINE LEAK , nAPP2230128101		
Status:	APPROVED		
Status Date:	10/28/2022		
References (1):	nAPP2230128101		

Forms

This application type does not have attachments.

Questions

Location of Release Source

Please answer all the questions in this group.

Site Name	O-1 Line Leak
Date Release Discovered	10/14/2022
Surface Owner	State

Incident Details

Please answer all the questions in this group.

Incident Type	Natural Gas Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	Not answered.
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	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	Not answered.
Condensate Released (bbls) Details	Cause: Corrosion Pipeline (Any) Condensate Released: 22 BBL Recovered: 0 BBL Lost: 22 BBL.
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 (10/28/2022), 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

District I

1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720

District II

811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 154542

QUESTIONS

Operator: DCP OPERATING COMPANY, LP 6900 E. Layton Ave Denver, CO 80237	OGRID: 36785
	Action Number: 154542
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Location of Release Source	
<i>Please answer all of the questions in this group.</i>	
Site Name	O-1 Line Leak
Date Release Discovered	10/14/2022
Surface Owner	State

Incident Details	
<i>Please answer all of the questions in this group.</i>	
Incident Type	Natural Gas Release
Did this release result in a fire or is the result of a fire	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	Not answered.
Is the concentration of dissolved chloride in the produced water >10,000 mg/l	Not answered.
Condensate Released (bbls) Details	Cause: Corrosion Pipeline (Any) Condensate Released: 22 BBL Recovered: 0 BBL Lost: 22 BBL.
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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Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS, Page 2

Action 154542

QUESTIONS (continued)

Operator: DCP OPERATING COMPANY, LP 6900 E. Layton Ave Denver, CO 80237	OGRID: 36785
	Action Number: 154542
	Action Type: [NOTIFY] Notification Of Release (NOR)

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 19.15.29.7(A) NMAC	No, minor release.
Reasons why this would be considered a submission for a notification of a major release	
If YES, was immediate notice given to the OCD, by whom	<i>Not answered.</i>
If YES, was immediate notice given to the OCD, to whom	<i>Not answered.</i>
If YES, was immediate notice given to the OCD, when	<i>Not answered.</i>
If YES, was immediate notice given to the OCD, by what means (phone, email, etc.)	<i>Not answered.</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 19.15.29.8 B. (4) 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.

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ACKNOWLEDGMENTS

Action 154542

ACKNOWLEDGMENTS

Operator: DCP OPERATING COMPANY, LP 6900 E. Layton Ave Denver, CO 80237	OGRID: 36785
	Action Number: 154542
	Action Type: [NOTIFY] Notification Of Release (NOR)

ACKNOWLEDGMENTS

☒	I acknowledge that I am authorized to submit notification of a releases 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.

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State of New Mexico
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1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 154542

CONDITIONS

Operator: DCP OPERATING COMPANY, LP 6900 E. Layton Ave Denver, CO 80237	OGRID: 36785
	Action Number: 154542
	Action Type: [NOTIFY] Notification Of Release (NOR)

CONDITIONS

Created By	Condition	Condition Date
knorman	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	10/28/2022

Appendix B – Depth to Groundwater Information



[USGS Home](#)
[Contact USGS](#)
[Search USGS](#)

National Water Information System: Web Interface

USGS Water Resources

Data Category: Geographic Area:

Click to hideNews Bulletins

- Explore the *NEW* [USGS National Water Dashboard](#) interactive map to access real-time water data from over 13,500 stations nationwide.

Groundwater levels for the Nation

i Important: [Next Generation Monitoring Location Page](#)

Search Results -- 1 sites found

Agency code = usgs

site_no list =

- 324600103484601

Minimum number of levels = 1

[Save file of selected sites](#) to local disk for future upload

USGS 324600103484601 18S.31E.01.44432

Eddy County, New Mexico

Latitude 32°46'00", Longitude 103°48'46" NAD27

Land-surface elevation 3,790 feet above NAVD88

This well is completed in the Other aquifers (N9999OTHER) national aquifer.

This well is completed in the Sunrise Formation (231SNRS) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water-level approval status
1971-04-07			D	62610	3328.03	NGVD29	P	Z			A
1971-04-07			D	62611	3329.58	NAVD88	P	Z			A
1971-04-07			D	72019	460.42		P	Z			A
1976-05-27			D	62610	3333.89	NGVD29	1	Z			A
1976-05-27			D	62611	3335.44	NAVD88	1	Z			A
1976-05-27			D	72019	454.56		1	Z			A
1986-01-26			D	62610	3334.16	NGVD29	1	S			A
1986-01-26			D	62611	3335.71	NAVD88	1	S			A
1986-01-26			D	72019	454.29		1	S			A
1990-09-25			D	62610	3334.83	NGVD29	1	S			A
1990-09-25			D	62611	3336.38	NAVD88	1	S			A
1990-09-25			D	72019	453.62		1	S			A
1994-03-17			D	62610	3334.20	NGVD29	1	S			A
1994-03-17			D	62611	3335.75	NAVD88	1	S			A
1994-03-17			D	72019	454.25		1	S			A

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Status	P	Pumping
Method of measurement	S	Steel-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined

Section	Code	Description
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

[Questions or Comments](#)
[Help](#)
[Data Tips](#)
[Explanation of terms](#)
[Subscribe for system changes](#)

[Accessibility](#) [FOIA](#) [Privacy](#) [Policies and Notices](#)

[U.S. Department of the Interior](#) | [U.S. Geological Survey](#)

Title: Groundwater for USA: Water Levels

URL: <https://nwis.waterdata.usgs.gov/nwis/gwlevels?>



Page Contact Information: [USGS Water Data Support Team](#)

Page Last Modified: 2024-08-13 12:34:58 EDT

0.25 0.22 nadww02

Appendix C – NMCRIS Cover Page

NMCRIS INVESTIGATION ABSTRACT FORM (NIAF)

1. NMCRIS Activity No.: 151300	2a. Lead (Sponsoring) Agency: New Mexico State Land Office (SLO)	2b. Other Permitting Agency(ies):	3. Lead Agency Report No.:									
4. Title of Report: A Cultural Resources Survey for the O-1, Leak #166-22 Inadvertent Pipeline Release Remediation Project in Eddy County, New Mexico Author(s): Nina Harris and Thea Stehlik-Barry			5. Type of Report ☒ Negative ☐ Positive									
6. Investigation Type ☐ Research Design ☒ Survey/Inventory ☐ Test Excavation ☐ Excavation ☐ Collections/Non-Field Study ☐ Overview/Lit Review ☐ Monitoring ☐ Ethnographic study ☐ Site specific visit ☐ Other												
7. Description of Undertaking (what does the project entail?): DCP Operating Company LP (DCP) contracted SWCA Environmental Consultants (SWCA) to conduct an intensive cultural resources pedestrian survey in support of the O-1, Leak #166-22 inadvertent pipeline release remediation project in Eddy County, New Mexico. The inadvertent release covers an area of 0.16 acres (0.06 hectares), including the spill and overspray area. The remediation process will require removing impacted sediments from the contaminated area and replacing them with clean soils. The spill is located approximately 8.96 kilometers (5.57 miles) southwest of Maljamar, New Mexico on lands managed by the New Mexico State Land Office (SLO). The SLO will serve as the lead agency. NM SLO strongly recommends that an archeological survey be conducted to current standards for the APE pursuant with and in compliance with the New Mexico Administrative Code (NMAC) 4.10.15 to ensure that cultural properties are not inadvertently excavated, injured, or destroyed by any person. SWCA conducted an intensive cultural resource survey of the proposed project area in compliance with these standards. SWCA surveyed a 30-meter (m) (100-foot) cultural buffer around the spill area for a total of 1.91 acres (0.77 hectares) of SLO-managed land. No archaeological sites, historic properties, or isolated occurrences (IO's) were identified. No further investigation or treatment is recommended for the current undertaking.		8. Dates of Investigation: October 25, 2022 9. Report Date: November 4, 2022										
10. Performing Agency/Consultant: SWCA Environmental Consultants Principal Investigator: Alissa Healy Project Manager: Alissa Healy Field Supervisor: Thea Stehlik-Barry		11. Performing Agency/Consultant Report No.: SWCA Cultural Resources Report No. 22-789 12. Applicable Cultural Resource Permit No(s): NM State Permit: NM-22-055-S (expires 12-31-2022)										
13. Client/Customer (project proponent): DCP Operating Company, LP Contact: Kelley Michael Address: 10 Desta Drive, Suite 400 W Midland, Texas 79705 Phone: 432-620-4206		14. Client/Customer Project No.: SWCA Project No. 75611-001 Phase 9										
15. Land Ownership Status (<u>Must</u> be indicated on project map): <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <thead> <tr> <th style="width: 50%;">Landowner</th> <th style="width: 20%;">Acres Surveyed</th> <th style="width: 30%;">Acres in APE</th> </tr> </thead> <tbody> <tr> <td>SLO</td> <td style="text-align: center;">1.91</td> <td style="text-align: center;">0.16</td> </tr> <tr> <td style="text-align: right;">TOTALS</td> <td style="text-align: center;">1.91</td> <td style="text-align: center;">0.16</td> </tr> </tbody> </table>				Landowner	Acres Surveyed	Acres in APE	SLO	1.91	0.16	TOTALS	1.91	0.16
Landowner	Acres Surveyed	Acres in APE										
SLO	1.91	0.16										
TOTALS	1.91	0.16										
16 Records Search(es): <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <tr> <td style="width: 30%;">Date(s) of ARMS File Review 10/17/2022</td> <td style="width: 30%;">Name of Reviewer(s) Alissa Healy</td> <td style="width: 40%;"></td> </tr> <tr> <td>Date(s) of NR/SR File Review 10/17/2022</td> <td>Name of Reviewer(s) Alissa Healy</td> <td></td> </tr> <tr> <td>Date(s) of Other Agency File Review</td> <td>Name of Reviewer(s)</td> <td>Agency</td> </tr> </table>				Date(s) of ARMS File Review 10/17/2022	Name of Reviewer(s) Alissa Healy		Date(s) of NR/SR File Review 10/17/2022	Name of Reviewer(s) Alissa Healy		Date(s) of Other Agency File Review	Name of Reviewer(s)	Agency
Date(s) of ARMS File Review 10/17/2022	Name of Reviewer(s) Alissa Healy											
Date(s) of NR/SR File Review 10/17/2022	Name of Reviewer(s) Alissa Healy											
Date(s) of Other Agency File Review	Name of Reviewer(s)	Agency										
17. Survey Data: a. Source Graphics ☐ NAD 27 ☒ NAD 83 ☒ USGS 7.5' (1:24,000) topo map ☐ Other topo map, Scale: ☒ GPS Unit Accuracy ☒ <1.0m ☐ 1-10m ☐ 10-100m ☐ >100m												

Appendix D – Photographic Log

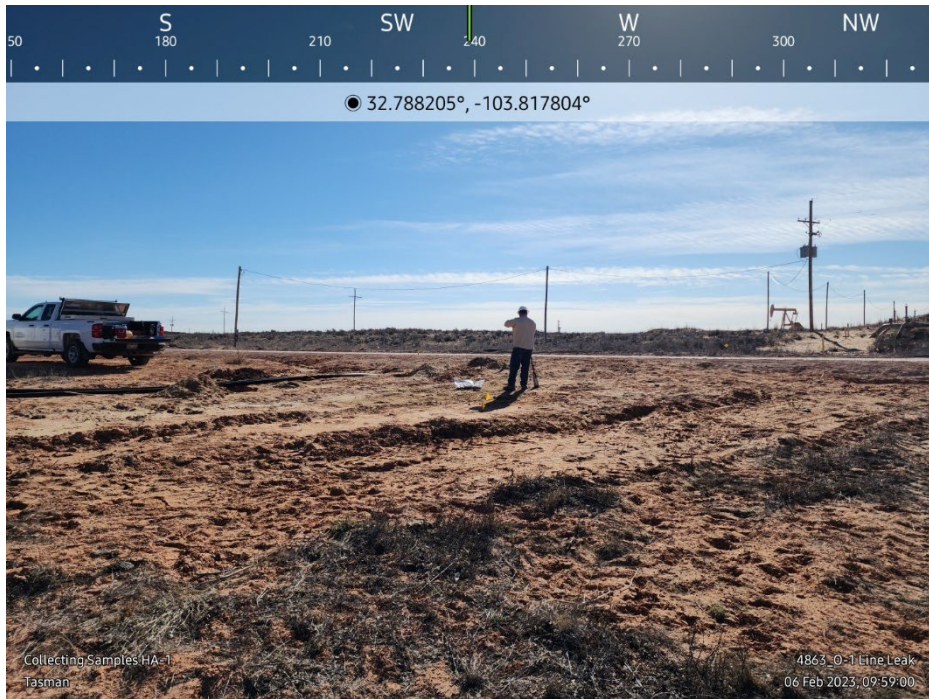
DCP Midstream

O-1 Line Leak (10.14.22)
nAPP2230128101



DCP Midstream

O-1 Line Leak (10.14.22)
nAPP2230128101



Appendix E – Certified Laboratory Analytical Reports



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

February 15, 2023

KYLE NORMAN

TASMAN GEOSCIENCES

6899 PECOS ST. UNIT C

DENVER, CO 80221

RE: 4863_0-1 LINE LEAK

Enclosed are the results of analyses for samples received by the laboratory on 02/08/23 15:55.

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

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: 02/08/2023
 Reported: 02/15/2023
 Project Name: 4863_0-1 LINE LEAK
 Project Number: 4863
 Project Location: DCP

Sampling Date: 02/06/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HA - 1 (1') (H230581-01)

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	02/11/2023	ND	1.99	99.5	2.00	4.14	
Toluene*	<0.050	0.050	02/11/2023	ND	2.05	103	2.00	4.28	
Ethylbenzene*	<0.050	0.050	02/11/2023	ND	1.98	99.2	2.00	3.34	
Total Xylenes*	<0.150	0.150	02/11/2023	ND	6.17	103	6.00	4.27	
Total BTX	<0.300	0.300	02/11/2023	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	16.0	16.0	02/11/2023	ND	416	104	400	10.9		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/10/2023	ND	196	97.9	200	0.842	
DRO >C10-C28*	50.1	10.0	02/10/2023	ND	199	99.5	200	1.86	
EXT DRO >C28-C36	10.7	10.0	02/10/2023	ND					

Surrogate: 1-Chlorooctane 69.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.9 % 49.1-148

Cardinal Laboratories

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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: 02/08/2023
 Reported: 02/15/2023
 Project Name: 4863_0-1 LINE LEAK
 Project Number: 4863
 Project Location: DCP

Sampling Date: 02/06/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HA - 1 (4') (H230581-02)

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	02/11/2023	ND	1.99	99.5	2.00	4.14		
Toluene*	<0.050	0.050	02/11/2023	ND	2.05	103	2.00	4.28		
Ethylbenzene*	<0.050	0.050	02/11/2023	ND	1.98	99.2	2.00	3.34		
Total Xylenes*	<0.150	0.150	02/11/2023	ND	6.17	103	6.00	4.27		
Total BTX	<0.300	0.300	02/11/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	64.0	16.0	02/11/2023	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	02/10/2023	ND	196	97.9	200	0.842	
DRO >C10-C28*	<10.0	10.0	02/10/2023	ND	199	99.5	200	1.86	
EXT DRO >C28-C36	<10.0	10.0	02/10/2023	ND					

Surrogate: 1-Chlorooctane 73.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.0 % 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: 02/08/2023
 Reported: 02/15/2023
 Project Name: 4863_0-1 LINE LEAK
 Project Number: 4863
 Project Location: DCP

Sampling Date: 02/06/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HA - 2 (0-0.5') (H230581-03)

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	02/11/2023	ND	1.99	99.5	2.00	4.14	
Toluene*	<0.050	0.050	02/11/2023	ND	2.05	103	2.00	4.28	
Ethylbenzene*	<0.050	0.050	02/11/2023	ND	1.98	99.2	2.00	3.34	
Total Xylenes*	<0.150	0.150	02/11/2023	ND	6.17	103	6.00	4.27	
Total BTEX	<0.300	0.300	02/11/2023	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	02/11/2023	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	02/10/2023	ND	196	97.9	200	0.842	
DRO >C10-C28*	28.3	10.0	02/10/2023	ND	199	99.5	200	1.86	
EXT DRO >C28-C36	<10.0	10.0	02/10/2023	ND					

Surrogate: 1-Chlorooctane 82.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.2 % 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: 02/08/2023
 Reported: 02/15/2023
 Project Name: 4863_0-1 LINE LEAK
 Project Number: 4863
 Project Location: DCP

Sampling Date: 02/06/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HA - 2 (4') (H230581-04)

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	02/11/2023	ND	1.99	99.5	2.00	4.14		
Toluene*	<0.050	0.050	02/11/2023	ND	2.05	103	2.00	4.28		
Ethylbenzene*	<0.050	0.050	02/11/2023	ND	1.98	99.2	2.00	3.34		
Total Xylenes*	<0.150	0.150	02/11/2023	ND	6.17	103	6.00	4.27		
Total BTEX	<0.300	0.300	02/11/2023	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	32.0	16.0	02/11/2023	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	02/10/2023	ND	196	97.9	200	0.842	
DRO >C10-C28*	61.8	10.0	02/10/2023	ND	199	99.5	200	1.86	
EXT DRO >C28-C36	11.3	10.0	02/10/2023	ND					

Surrogate: 1-Chlorooctane 66.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.3 % 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: 02/08/2023
 Reported: 02/15/2023
 Project Name: 4863_0-1 LINE LEAK
 Project Number: 4863
 Project Location: DCP

Sampling Date: 02/06/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HA - 2 (6') (H230581-05)

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	02/11/2023	ND	1.99	99.5	2.00	4.14		
Toluene*	<0.050	0.050	02/11/2023	ND	2.05	103	2.00	4.28		
Ethylbenzene*	<0.050	0.050	02/11/2023	ND	1.98	99.2	2.00	3.34		
Total Xylenes*	<0.150	0.150	02/11/2023	ND	6.17	103	6.00	4.27		
Total BTX	<0.300	0.300	02/11/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	02/11/2023	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	02/10/2023	ND	196	97.9	200	0.842	
DRO >C10-C28*	14.1	10.0	02/10/2023	ND	199	99.5	200	1.86	
EXT DRO >C28-C36	<10.0	10.0	02/10/2023	ND					

Surrogate: 1-Chlorooctane 72.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.8 % 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: 02/08/2023
 Reported: 02/15/2023
 Project Name: 4863_0-1 LINE LEAK
 Project Number: 4863
 Project Location: DCP

Sampling Date: 02/06/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HA - 3 (0-0.5') (H230581-06)

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	02/11/2023	ND	1.99	99.5	2.00	4.14	
Toluene*	<0.050	0.050	02/11/2023	ND	2.05	103	2.00	4.28	
Ethylbenzene*	<0.050	0.050	02/11/2023	ND	1.98	99.2	2.00	3.34	
Total Xylenes*	<0.150	0.150	02/11/2023	ND	6.17	103	6.00	4.27	
Total BTX	<0.300	0.300	02/11/2023	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	16.0	16.0	02/11/2023	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	02/10/2023	ND	212	106	200	0.900	
DRO >C10-C28*	37.1	10.0	02/10/2023	ND	202	101	200	3.07	
EXT DRO >C28-C36	<10.0	10.0	02/10/2023	ND					

Surrogate: 1-Chlorooctane 87.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.0 % 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: 02/08/2023
 Reported: 02/15/2023
 Project Name: 4863_0-1 LINE LEAK
 Project Number: 4863
 Project Location: DCP

Sampling Date: 02/06/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HA - 3 (5') (H230581-07)

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	02/11/2023	ND	1.99	99.5	2.00	4.14		
Toluene*	<0.050	0.050	02/11/2023	ND	2.05	103	2.00	4.28		
Ethylbenzene*	<0.050	0.050	02/11/2023	ND	1.98	99.2	2.00	3.34		
Total Xylenes*	<0.150	0.150	02/11/2023	ND	6.17	103	6.00	4.27		
Total BTX	<0.300	0.300	02/11/2023	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	48.0	16.0	02/11/2023	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	02/10/2023	ND	212	106	200	0.900	
DRO >C10-C28*	<10.0	10.0	02/10/2023	ND	202	101	200	3.07	
EXT DRO >C28-C36	<10.0	10.0	02/10/2023	ND					

Surrogate: 1-Chlorooctane 91.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.6 % 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: 02/08/2023
 Reported: 02/15/2023
 Project Name: 4863_0-1 LINE LEAK
 Project Number: 4863
 Project Location: DCP

Sampling Date: 02/06/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HA - 4 (0-0.5') (H230581-08)

BTEx 8021B		mg/kg	Analyzed By: JH/					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/13/2023	ND	1.99	99.5	2.00	4.14	
Toluene*	<0.050	0.050	02/13/2023	ND	2.05	103	2.00	4.28	
Ethylbenzene*	0.187	0.050	02/13/2023	ND	1.98	99.2	2.00	3.34	GC-NC1
Total Xylenes*	2.50	0.150	02/13/2023	ND	6.17	103	6.00	4.27	
Total BTEX	2.69	0.300	02/13/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 206 % 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	02/11/2023	ND	448	112	400	0.00	

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*	326	50.0	02/11/2023	ND	212	106	200	0.900	
DRO >C10-C28*	9060	50.0	02/11/2023	ND	202	101	200	3.07	
EXT DRO >C28-C36	1040	50.0	02/11/2023	ND					

Surrogate: 1-Chlorooctane 139 % 48.2-134

Surrogate: 1-Chlorooctadecane 198 % 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: 02/08/2023
 Reported: 02/15/2023
 Project Name: 4863_0-1 LINE LEAK
 Project Number: 4863
 Project Location: DCP

Sampling Date: 02/06/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HA - 4 (3') (H230581-09)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/11/2023	ND	1.99	99.5	2.00	4.14		
Toluene*	<0.050	0.050	02/11/2023	ND	2.05	103	2.00	4.28		
Ethylbenzene*	<0.050	0.050	02/11/2023	ND	1.98	99.2	2.00	3.34		
Total Xylenes*	<0.150	0.150	02/11/2023	ND	6.17	103	6.00	4.27		
Total BTEX	<0.300	0.300	02/11/2023	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	32.0	16.0	02/11/2023	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	02/10/2023	ND	212	106	200	0.900	
DRO >C10-C28*	<10.0	10.0	02/10/2023	ND	202	101	200	3.07	
EXT DRO >C28-C36	<10.0	10.0	02/10/2023	ND					

Surrogate: 1-Chlorooctane 87.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.8 % 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: 02/08/2023
 Reported: 02/15/2023
 Project Name: 4863_0-1 LINE LEAK
 Project Number: 4863
 Project Location: DCP

Sampling Date: 02/06/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HA - 4 (6') (H230581-10)

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	02/11/2023	ND	1.99	99.5	2.00	4.14	
Toluene*	<0.050	0.050	02/11/2023	ND	2.05	103	2.00	4.28	
Ethylbenzene*	<0.050	0.050	02/11/2023	ND	1.98	99.2	2.00	3.34	
Total Xylenes*	<0.150	0.150	02/11/2023	ND	6.17	103	6.00	4.27	
Total BTEX	<0.300	0.300	02/11/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	02/11/2023	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	02/10/2023	ND	212	106	200	0.900	
DRO >C10-C28*	<10.0	10.0	02/10/2023	ND	202	101	200	3.07	
EXT DRO >C28-C36	<10.0	10.0	02/10/2023	ND					

Surrogate: 1-Chlorooctane 95.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.7 % 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: 02/08/2023
 Reported: 02/15/2023
 Project Name: 4863_0-1 LINE LEAK
 Project Number: 4863
 Project Location: DCP

Sampling Date: 02/06/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HA - 5 (0-0.5') (H230581-11)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/11/2023	ND	1.99	99.5	2.00	4.14		
Toluene*	<0.050	0.050	02/11/2023	ND	2.05	103	2.00	4.28		
Ethylbenzene*	<0.050	0.050	02/11/2023	ND	1.98	99.2	2.00	3.34		
Total Xylenes*	<0.150	0.150	02/11/2023	ND	6.17	103	6.00	4.27		
Total BTEX	<0.300	0.300	02/11/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 126 % 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	02/11/2023	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*	<50.0	50.0	02/10/2023	ND	212	106	200	0.900	
DRO >C10-C28*	836	50.0	02/10/2023	ND	202	101	200	3.07	
EXT DRO >C28-C36	106	50.0	02/10/2023	ND					

Surrogate: 1-Chlorooctane 97.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 125 % 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: 02/08/2023
 Reported: 02/15/2023
 Project Name: 4863_0-1 LINE LEAK
 Project Number: 4863
 Project Location: DCP

Sampling Date: 02/06/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HA - 5 (2') (H230581-12)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/11/2023	ND	1.99	99.5	2.00	4.14	
Toluene*	<0.050	0.050	02/11/2023	ND	2.05	103	2.00	4.28	
Ethylbenzene*	<0.050	0.050	02/11/2023	ND	1.98	99.2	2.00	3.34	
Total Xylenes*	<0.150	0.150	02/11/2023	ND	6.17	103	6.00	4.27	
Total BTEx	<0.300	0.300	02/11/2023	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	32.0	16.0	02/11/2023	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	02/10/2023	ND	212	106	200	0.900	
DRO >C10-C28*	<10.0	10.0	02/10/2023	ND	202	101	200	3.07	
EXT DRO >C28-C36	<10.0	10.0	02/10/2023	ND					

Surrogate: 1-Chlorooctane 92.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.3 % 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: 02/08/2023
 Reported: 02/15/2023
 Project Name: 4863_0-1 LINE LEAK
 Project Number: 4863
 Project Location: DCP

Sampling Date: 02/06/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HA - 5 (6') (H230581-13)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/11/2023	ND	1.99	99.5	2.00	4.14		
Toluene*	<0.050	0.050	02/11/2023	ND	2.05	103	2.00	4.28		
Ethylbenzene*	<0.050	0.050	02/11/2023	ND	1.98	99.2	2.00	3.34		
Total Xylenes*	<0.150	0.150	02/11/2023	ND	6.17	103	6.00	4.27		
Total BTEx	<0.300	0.300	02/11/2023	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	96.0	16.0	02/11/2023	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	02/10/2023	ND	212	106	200	0.900	
DRO >C10-C28*	<10.0	10.0	02/10/2023	ND	202	101	200	3.07	
EXT DRO >C28-C36	<10.0	10.0	02/10/2023	ND					

Surrogate: 1-Chlorooctane 90.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.8 % 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: 02/08/2023
 Reported: 02/15/2023
 Project Name: 4863_0-1 LINE LEAK
 Project Number: 4863
 Project Location: DCP

Sampling Date: 02/06/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HA - 6 (2') (H230581-14)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/11/2023	ND	1.99	99.5	2.00	4.14	
Toluene*	<0.050	0.050	02/11/2023	ND	2.05	103	2.00	4.28	
Ethylbenzene*	<0.050	0.050	02/11/2023	ND	1.98	99.2	2.00	3.34	
Total Xylenes*	<0.150	0.150	02/11/2023	ND	6.17	103	6.00	4.27	
Total BTEx	<0.300	0.300	02/11/2023	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	02/11/2023	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	02/10/2023	ND	212	106	200	0.900	
DRO >C10-C28*	<10.0	10.0	02/10/2023	ND	202	101	200	3.07	
EXT DRO >C28-C36	<10.0	10.0	02/10/2023	ND					

Surrogate: 1-Chlorooctane 92.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.1 % 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: 02/08/2023
 Reported: 02/15/2023
 Project Name: 4863_0-1 LINE LEAK
 Project Number: 4863
 Project Location: DCP

Sampling Date: 02/06/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HA - 6 (4') (H230581-15)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/11/2023	ND	1.99	99.5	2.00	4.14	
Toluene*	<0.050	0.050	02/11/2023	ND	2.05	103	2.00	4.28	
Ethylbenzene*	<0.050	0.050	02/11/2023	ND	1.98	99.2	2.00	3.34	
Total Xylenes*	<0.150	0.150	02/11/2023	ND	6.17	103	6.00	4.27	
Total BTEx	<0.300	0.300	02/11/2023	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	32.0	16.0	02/11/2023	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	02/10/2023	ND	212	106	200	0.900	
DRO >C10-C28*	<10.0	10.0	02/10/2023	ND	202	101	200	3.07	
EXT DRO >C28-C36	<10.0	10.0	02/10/2023	ND					

Surrogate: 1-Chlorooctane 90.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.1 % 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: 02/08/2023
 Reported: 02/15/2023
 Project Name: 4863_0-1 LINE LEAK
 Project Number: 4863
 Project Location: DCP

Sampling Date: 02/06/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HA - 7 (1') (H230581-16)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/11/2023	ND	1.99	99.5	2.00	4.14		
Toluene*	<0.050	0.050	02/11/2023	ND	2.05	103	2.00	4.28		
Ethylbenzene*	<0.050	0.050	02/11/2023	ND	1.98	99.2	2.00	3.34		
Total Xylenes*	<0.150	0.150	02/11/2023	ND	6.17	103	6.00	4.27		
Total BTEX	<0.300	0.300	02/11/2023	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	02/11/2023	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	02/11/2023	ND	212	106	200	0.900	
DRO >C10-C28*	<10.0	10.0	02/11/2023	ND	202	101	200	3.07	
EXT DRO >C28-C36	<10.0	10.0	02/11/2023	ND					

Surrogate: 1-Chlorooctane 91.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.5 % 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: 02/08/2023
 Reported: 02/15/2023
 Project Name: 4863_0-1 LINE LEAK
 Project Number: 4863
 Project Location: DCP

Sampling Date: 02/06/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HA - 7 (4') (H230581-17)

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	02/11/2023	ND	1.99	99.5	2.00	4.14		
Toluene*	<0.050	0.050	02/11/2023	ND	2.05	103	2.00	4.28		
Ethylbenzene*	<0.050	0.050	02/11/2023	ND	1.98	99.2	2.00	3.34		
Total Xylenes*	<0.150	0.150	02/11/2023	ND	6.17	103	6.00	4.27		
Total BTEx	<0.300	0.300	02/11/2023	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	288	16.0	02/11/2023	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	02/11/2023	ND	212	106	200	0.900	
DRO >C10-C28*	<10.0	10.0	02/11/2023	ND	202	101	200	3.07	
EXT DRO >C28-C36	<10.0	10.0	02/11/2023	ND					

Surrogate: 1-Chlorooctane 88.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.4 % 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: 02/08/2023
 Reported: 02/15/2023
 Project Name: 4863_0-1 LINE LEAK
 Project Number: 4863
 Project Location: DCP

Sampling Date: 02/06/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HA - 8 (2') (H230581-18)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/11/2023	ND	1.99	99.5	2.00	4.14	
Toluene*	<0.050	0.050	02/11/2023	ND	2.05	103	2.00	4.28	
Ethylbenzene*	<0.050	0.050	02/11/2023	ND	1.98	99.2	2.00	3.34	
Total Xylenes*	<0.150	0.150	02/11/2023	ND	6.17	103	6.00	4.27	
Total BTEx	<0.300	0.300	02/11/2023	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	16.0	16.0	02/11/2023	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	02/11/2023	ND	212	106	200	0.900	
DRO >C10-C28*	<10.0	10.0	02/11/2023	ND	202	101	200	3.07	
EXT DRO >C28-C36	<10.0	10.0	02/11/2023	ND					

Surrogate: 1-Chlorooctane 94.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.3 % 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: 02/08/2023
 Reported: 02/15/2023
 Project Name: 4863_0-1 LINE LEAK
 Project Number: 4863
 Project Location: DCP

Sampling Date: 02/06/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HA - 8 (4') (H230581-19)

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	02/12/2023	ND	1.95	97.5	2.00	0.692		
Toluene*	<0.050	0.050	02/12/2023	ND	2.03	101	2.00	1.20		
Ethylbenzene*	<0.050	0.050	02/12/2023	ND	1.98	99.0	2.00	1.71		
Total Xylenes*	<0.150	0.150	02/12/2023	ND	6.16	103	6.00	2.24		
Total BTX	<0.300	0.300	02/12/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	48.0	16.0	02/11/2023	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	02/11/2023	ND	212	106	200	0.900	
DRO >C10-C28*	<10.0	10.0	02/11/2023	ND	202	101	200	3.07	
EXT DRO >C28-C36	<10.0	10.0	02/11/2023	ND					

Surrogate: 1-Chlorooctane 91.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.1 % 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: 02/08/2023
 Reported: 02/15/2023
 Project Name: 4863_0-1 LINE LEAK
 Project Number: 4863
 Project Location: DCP

Sampling Date: 02/06/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HA - 9 (1') (H230581-20)

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	02/12/2023	ND	1.95	97.5	2.00	0.692	
Toluene*	<0.050	0.050	02/12/2023	ND	2.03	101	2.00	1.20	
Ethylbenzene*	<0.050	0.050	02/12/2023	ND	1.98	99.0	2.00	1.71	
Total Xylenes*	<0.150	0.150	02/12/2023	ND	6.16	103	6.00	2.24	
Total BTX	<0.300	0.300	02/12/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	448	16.0	02/11/2023	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	02/11/2023	ND	212	106	200	0.900	
DRO >C10-C28*	<10.0	10.0	02/11/2023	ND	202	101	200	3.07	
EXT DRO >C28-C36	<10.0	10.0	02/11/2023	ND					

Surrogate: 1-Chlorooctane 92.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.1 % 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: 02/08/2023
 Reported: 02/15/2023
 Project Name: 4863_0-1 LINE LEAK
 Project Number: 4863
 Project Location: DCP

Sampling Date: 02/06/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HA - 9 (4') (H230581-21)

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	02/12/2023	ND	1.95	97.5	2.00	0.692		
Toluene*	<0.050	0.050	02/12/2023	ND	2.03	101	2.00	1.20		
Ethylbenzene*	<0.050	0.050	02/12/2023	ND	1.98	99.0	2.00	1.71		
Total Xylenes*	<0.150	0.150	02/12/2023	ND	6.16	103	6.00	2.24		
Total BTX	<0.300	0.300	02/12/2023	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	32.0	16.0	02/11/2023	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	02/11/2023	ND	212	106	200	0.900	
DRO >C10-C28*	<10.0	10.0	02/11/2023	ND	202	101	200	3.07	
EXT DRO >C28-C36	<10.0	10.0	02/11/2023	ND					

Surrogate: 1-Chlorooctane 89.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.2 % 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: 02/08/2023
 Reported: 02/15/2023
 Project Name: 4863_0-1 LINE LEAK
 Project Number: 4863
 Project Location: DCP

Sampling Date: 02/06/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HA - 10 (0-0.5') (H230581-22)

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	02/12/2023	ND	1.95	97.5	2.00	0.692	
Toluene*	<0.050	0.050	02/12/2023	ND	2.03	101	2.00	1.20	
Ethylbenzene*	<0.050	0.050	02/12/2023	ND	1.98	99.0	2.00	1.71	
Total Xylenes*	<0.150	0.150	02/12/2023	ND	6.16	103	6.00	2.24	
Total BTX	<0.300	0.300	02/12/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	48.0	16.0	02/11/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/11/2023	ND	212	106	200	0.900	
DRO >C10-C28*	<10.0	10.0	02/11/2023	ND	202	101	200	3.07	
EXT DRO >C28-C36	<10.0	10.0	02/11/2023	ND					

Surrogate: 1-Chlorooctane 94.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.6 % 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: 02/08/2023
 Reported: 02/15/2023
 Project Name: 4863_0-1 LINE LEAK
 Project Number: 4863
 Project Location: DCP

Sampling Date: 02/06/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HA - 10 (4') (H230581-23)

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	02/12/2023	ND	1.95	97.5	2.00	0.692		
Toluene*	<0.050	0.050	02/12/2023	ND	2.03	101	2.00	1.20		
Ethylbenzene*	<0.050	0.050	02/12/2023	ND	1.98	99.0	2.00	1.71		
Total Xylenes*	<0.150	0.150	02/12/2023	ND	6.16	103	6.00	2.24		
Total BTX	<0.300	0.300	02/12/2023	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	64.0	16.0	02/11/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/11/2023	ND	212	106	200	0.900	
DRO >C10-C28*	<10.0	10.0	02/11/2023	ND	202	101	200	3.07	
EXT DRO >C28-C36	<10.0	10.0	02/11/2023	ND					

Surrogate: 1-Chlorooctane 94.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.1 % 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: 02/08/2023
 Reported: 02/15/2023
 Project Name: 4863_0-1 LINE LEAK
 Project Number: 4863
 Project Location: DCP

Sampling Date: 02/06/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HA - 11 (1') (H230581-24)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/12/2023	ND	1.95	97.5	2.00	0.692		
Toluene*	<0.050	0.050	02/12/2023	ND	2.03	101	2.00	1.20		
Ethylbenzene*	<0.050	0.050	02/12/2023	ND	1.98	99.0	2.00	1.71		
Total Xylenes*	<0.150	0.150	02/12/2023	ND	6.16	103	6.00	2.24		
Total BTEx	<0.300	0.300	02/12/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	02/11/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/11/2023	ND	212	106	200	0.900	
DRO >C10-C28*	<10.0	10.0	02/11/2023	ND	202	101	200	3.07	
EXT DRO >C28-C36	<10.0	10.0	02/11/2023	ND					

Surrogate: 1-Chlorooctane 91.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.1 % 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: 02/08/2023
 Reported: 02/15/2023
 Project Name: 4863_0-1 LINE LEAK
 Project Number: 4863
 Project Location: DCP

Sampling Date: 02/06/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HA - 11 (4') (H230581-25)

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	02/12/2023	ND	1.95	97.5	2.00	0.692		
Toluene*	<0.050	0.050	02/12/2023	ND	2.03	101	2.00	1.20		
Ethylbenzene*	<0.050	0.050	02/12/2023	ND	1.98	99.0	2.00	1.71		
Total Xylenes*	<0.150	0.150	02/12/2023	ND	6.16	103	6.00	2.24		
Total BTX	<0.300	0.300	02/12/2023	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	32.0	16.0	02/11/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/11/2023	ND	212	106	200	0.900	
DRO >C10-C28*	<10.0	10.0	02/11/2023	ND	202	101	200	3.07	
EXT DRO >C28-C36	<10.0	10.0	02/11/2023	ND					

Surrogate: 1-Chlorooctane 92.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.1 % 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: 02/08/2023
 Reported: 02/15/2023
 Project Name: 4863_0-1 LINE LEAK
 Project Number: 4863
 Project Location: DCP

Sampling Date: 02/06/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HA - 12 (0-0.5') (H230581-26)

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	02/12/2023	ND	1.95	97.5	2.00	0.692	
Toluene*	<0.050	0.050	02/12/2023	ND	2.03	101	2.00	1.20	
Ethylbenzene*	<0.050	0.050	02/12/2023	ND	1.98	99.0	2.00	1.71	
Total Xylenes*	<0.150	0.150	02/12/2023	ND	6.16	103	6.00	2.24	
Total BTX	<0.300	0.300	02/12/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	02/11/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/10/2023	ND	195	97.4	200	1.92	
DRO >C10-C28*	<10.0	10.0	02/10/2023	ND	204	102	200	0.555	
EXT DRO >C28-C36	<10.0	10.0	02/10/2023	ND					

Surrogate: 1-Chlorooctane 81.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.8 % 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: 02/08/2023
 Reported: 02/15/2023
 Project Name: 4863_0-1 LINE LEAK
 Project Number: 4863
 Project Location: DCP

Sampling Date: 02/06/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HA - 12 (3') (H230581-27)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/12/2023	ND	1.95	97.5	2.00	0.692		
Toluene*	<0.050	0.050	02/12/2023	ND	2.03	101	2.00	1.20		
Ethylbenzene*	<0.050	0.050	02/12/2023	ND	1.98	99.0	2.00	1.71		
Total Xylenes*	<0.150	0.150	02/12/2023	ND	6.16	103	6.00	2.24		
Total BTEx	<0.300	0.300	02/12/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	02/11/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/10/2023	ND	195	97.4	200	1.92	
DRO >C10-C28*	<10.0	10.0	02/10/2023	ND	204	102	200	0.555	
EXT DRO >C28-C36	<10.0	10.0	02/10/2023	ND					

Surrogate: 1-Chlorooctane 79.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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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.
GC-NC1	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with interfering compounds.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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

Celey D. Keene, Lab Director/Quality Manager



101 East Marland, Hobbs, NM 88240 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

301

[illegible]



ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240 211 Beechwood, Abilene, TX 79603
(505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325) 673-7020

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 31 of 32

[illegible]



101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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

May 12, 2025

KYLE NORMAN

TASMAN GEOSCIENCES

6899 PECOS ST. UNIT C

DENVER, CO 80221

RE: 4863_0-1 LINE LEAK

Enclosed are the results of analyses for samples received by the laboratory on 05/06/25 14:10.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, 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: 05/06/2025
 Reported: 05/12/2025
 Project Name: 4863_0-1 LINE LEAK
 Project Number: 4863
 Project Location: DCP

Sampling Date: 05/05/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HA - 13 @ 0.5' (H252706-01)

BTEx 8260B			mg/kg		Analyzed By: SK				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.025	0.025	05/07/2025	ND	0.566	113	0.500	2.23	
Toluene*	<0.025	0.025	05/07/2025	ND	0.551	110	0.500	4.88	
Ethylbenzene*	<0.025	0.025	05/07/2025	ND	0.524	105	0.500	3.20	
Total Xylenes*	<0.050	0.050	05/07/2025	ND	1.69	113	1.50	12.4	
Total BTEX	<0.150	0.150	05/07/2025	ND					

Surrogate: Dibromofluoromethane 98.9 % 86.7-111

Surrogate: Toluene-d8 98.0 % 89.3-110

Surrogate: 4-Bromofluorobenzene 96.0 % 88.2-108

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AC				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	05/07/2025	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	05/07/2025	ND	204	102	200	1.59	
DRO >C10-C28*	10.7	10.0	05/07/2025	ND	197	98.3	200	0.538	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 94.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 97.1 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 05/06/2025
 Reported: 05/12/2025
 Project Name: 4863_0-1 LINE LEAK
 Project Number: 4863
 Project Location: DCP

Sampling Date: 05/05/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HA - 13 @ 4' (H252706-05)

BTX 8260B			mg/kg		Analyzed By: SK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.025	0.025	05/07/2025	ND	0.566	113	0.500	2.23		
Toluene*	<0.025	0.025	05/07/2025	ND	0.551	110	0.500	4.88		
Ethylbenzene*	<0.025	0.025	05/07/2025	ND	0.524	105	0.500	3.20		
Total Xylenes*	<0.050	0.050	05/07/2025	ND	1.69	113	1.50	12.4		
Total BTX	<0.150	0.150	05/07/2025	ND						

Surrogate: Dibromofluoromethane 102 % 86.7-111

Surrogate: Toluene-d8 101 % 89.3-110

Surrogate: 4-Bromofluorobenzene 95.5 % 88.2-108

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	05/07/2025	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	05/07/2025	ND	204	102	200	1.59	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	197	98.3	200	0.538	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 94.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 92.1 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 05/06/2025
 Reported: 05/12/2025
 Project Name: 4863_0-1 LINE LEAK
 Project Number: 4863
 Project Location: DCP

Sampling Date: 05/05/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HA - 14 @ 0.5' (H252706-06)

BTX 8260B			mg/kg		Analyzed By: SK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.025	0.025	05/07/2025	ND	0.566	113	0.500	2.23		
Toluene*	<0.025	0.025	05/07/2025	ND	0.551	110	0.500	4.88		
Ethylbenzene*	<0.025	0.025	05/07/2025	ND	0.524	105	0.500	3.20		
Total Xylenes*	<0.050	0.050	05/07/2025	ND	1.69	113	1.50	12.4		
Total BTX	<0.150	0.150	05/07/2025	ND						

Surrogate: Dibromofluoromethane 102 % 86.7-111
 Surrogate: Toluene-d8 98.7 % 89.3-110
 Surrogate: 4-Bromofluorobenzene 98.5 % 88.2-108

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/07/2025	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	05/07/2025	ND	204	102	200	1.59	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	197	98.3	200	0.538	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 107 % 44.4-145
 Surrogate: 1-Chlorooctadecane 103 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 05/06/2025
 Reported: 05/12/2025
 Project Name: 4863_0-1 LINE LEAK
 Project Number: 4863
 Project Location: DCP

Sampling Date: 05/05/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HA - 14 @ 4' (H252706-10)

BTX 8260B			mg/kg		Analyzed By: SK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.025	0.025	05/07/2025	ND	0.566	113	0.500	2.23		
Toluene*	<0.025	0.025	05/07/2025	ND	0.551	110	0.500	4.88		
Ethylbenzene*	<0.025	0.025	05/07/2025	ND	0.524	105	0.500	3.20		
Total Xylenes*	<0.050	0.050	05/07/2025	ND	1.69	113	1.50	12.4		
Total BTX	<0.150	0.150	05/07/2025	ND						

Surrogate: Dibromofluoromethane 103 % 86.7-111

Surrogate: Toluene-d8 101 % 89.3-110

Surrogate: 4-Bromofluorobenzene 96.4 % 88.2-108

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	05/07/2025	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	05/07/2025	ND	204	102	200	1.59	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	197	98.3	200	0.538	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 97.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 94.3 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 05/06/2025
 Reported: 05/12/2025
 Project Name: 4863_0-1 LINE LEAK
 Project Number: 4863
 Project Location: DCP

Sampling Date: 05/06/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HA - 15 @ 0.5' (H252706-11)

BTX 8260B		mg/kg		Analyzed By: SK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.025	0.025	05/07/2025	ND	0.566	113	0.500	2.23	
Toluene*	<0.025	0.025	05/07/2025	ND	0.551	110	0.500	4.88	
Ethylbenzene*	<0.025	0.025	05/07/2025	ND	0.524	105	0.500	3.20	
Total Xylenes*	<0.050	0.050	05/07/2025	ND	1.69	113	1.50	12.4	
Total BTX	<0.150	0.150	05/07/2025	ND					

Surrogate: Dibromofluoromethane 104 % 86.7-111
 Surrogate: Toluene-d8 101 % 89.3-110
 Surrogate: 4-Bromofluorobenzene 95.7 % 88.2-108

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/07/2025	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	05/07/2025	ND	182	91.2	200	6.27	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	178	88.8	200	5.51	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 113 % 44.4-145
 Surrogate: 1-Chlorooctadecane 114 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 05/06/2025
 Reported: 05/12/2025
 Project Name: 4863_0-1 LINE LEAK
 Project Number: 4863
 Project Location: DCP

Sampling Date: 05/06/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HA - 15 @ 4' (H252706-15)

BTX 8260B			mg/kg		Analyzed By: SK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.025	0.025	05/07/2025	ND	0.566	113	0.500	2.23		
Toluene*	<0.025	0.025	05/07/2025	ND	0.551	110	0.500	4.88		
Ethylbenzene*	<0.025	0.025	05/07/2025	ND	0.524	105	0.500	3.20		
Total Xylenes*	<0.050	0.050	05/07/2025	ND	1.69	113	1.50	12.4		
Total BTX	<0.150	0.150	05/07/2025	ND						

Surrogate: Dibromofluoromethane 108 % 86.7-111

Surrogate: Toluene-d8 100 % 89.3-110

Surrogate: 4-Bromofluorobenzene 95.2 % 88.2-108

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/07/2025	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	05/07/2025	ND	182	91.2	200	6.27	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	178	88.8	200	5.51	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 116 % 44.4-145

Surrogate: 1-Chlorooctadecane 116 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 05/06/2025
 Reported: 05/12/2025
 Project Name: 4863_0-1 LINE LEAK
 Project Number: 4863
 Project Location: DCP

Sampling Date: 05/06/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HA - 16 @ 0.5' (H252706-16)

BTX 8260B		mg/kg		Analyzed By: SK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.025	0.025	05/07/2025	ND	0.566	113	0.500	2.23	
Toluene*	<0.025	0.025	05/07/2025	ND	0.551	110	0.500	4.88	
Ethylbenzene*	<0.025	0.025	05/07/2025	ND	0.524	105	0.500	3.20	
Total Xylenes*	<0.050	0.050	05/07/2025	ND	1.69	113	1.50	12.4	
Total BTX	<0.150	0.150	05/07/2025	ND					

Surrogate: Dibromofluoromethane 103 % 86.7-111
 Surrogate: Toluene-d8 99.5 % 89.3-110
 Surrogate: 4-Bromofluorobenzene 95.1 % 88.2-108

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/07/2025	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	05/07/2025	ND	182	91.2	200	6.27	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	178	88.8	200	5.51	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 104 % 44.4-145
 Surrogate: 1-Chlorooctadecane 105 % 40.6-153

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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: 05/06/2025
 Reported: 05/12/2025
 Project Name: 4863_0-1 LINE LEAK
 Project Number: 4863
 Project Location: DCP

Sampling Date: 05/06/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HA - 16 @ 4' (H252706-20)

BTX 8260B			mg/kg		Analyzed By: SK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.025	0.025	05/07/2025	ND	0.566	113	0.500	2.23		
Toluene*	<0.025	0.025	05/07/2025	ND	0.551	110	0.500	4.88		
Ethylbenzene*	<0.025	0.025	05/07/2025	ND	0.524	105	0.500	3.20		
Total Xylenes*	<0.050	0.050	05/07/2025	ND	1.69	113	1.50	12.4		
Total BTX	<0.150	0.150	05/07/2025	ND						

Surrogate: Dibromofluoromethane 98.9 % 86.7-111
 Surrogate: Toluene-d8 105 % 89.3-110
 Surrogate: 4-Bromofluorobenzene 93.9 % 88.2-108

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	05/07/2025	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	05/07/2025	ND	182	91.2	200	6.27	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	178	88.8	200	5.51	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 96.0 % 44.4-145
 Surrogate: 1-Chlorooctadecane 96.3 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 05/06/2025
 Reported: 05/12/2025
 Project Name: 4863_0-1 LINE LEAK
 Project Number: 4863
 Project Location: DCP

Sampling Date: 05/06/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HA - 17 @ 0.5' (H252706-21)

BTX 8260B			mg/kg		Analyzed By: SK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.025	0.025	05/07/2025	ND	0.566	113	0.500	2.23		
Toluene*	<0.025	0.025	05/07/2025	ND	0.551	110	0.500	4.88		
Ethylbenzene*	<0.025	0.025	05/07/2025	ND	0.524	105	0.500	3.20		
Total Xylenes*	<0.050	0.050	05/07/2025	ND	1.69	113	1.50	12.4		
Total BTX	<0.150	0.150	05/07/2025	ND						

Surrogate: Dibromofluoromethane 94.3 % 86.7-111
 Surrogate: Toluene-d8 98.2 % 89.3-110
 Surrogate: 4-Bromofluorobenzene 97.2 % 88.2-108

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	05/07/2025	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	05/07/2025	ND	182	91.2	200	6.27	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	178	88.8	200	5.51	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 106 % 44.4-145
 Surrogate: 1-Chlorooctadecane 107 % 40.6-153

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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: 05/06/2025
 Reported: 05/12/2025
 Project Name: 4863_0-1 LINE LEAK
 Project Number: 4863
 Project Location: DCP

Sampling Date: 05/06/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HA - 17 @ 4' (H252706-25)

BTX 8260B			mg/kg		Analyzed By: SK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.025	0.025	05/07/2025	ND	0.566	113	0.500	2.23		
Toluene*	<0.025	0.025	05/07/2025	ND	0.551	110	0.500	4.88		
Ethylbenzene*	<0.025	0.025	05/07/2025	ND	0.524	105	0.500	3.20		
Total Xylenes*	<0.050	0.050	05/07/2025	ND	1.69	113	1.50	12.4		
Total BTX	<0.150	0.150	05/07/2025	ND						

Surrogate: Dibromofluoromethane 101 % 86.7-111
 Surrogate: Toluene-d8 100 % 89.3-110
 Surrogate: 4-Bromofluorobenzene 95.3 % 88.2-108

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/07/2025	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	05/07/2025	ND	186	92.9	200	2.63	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	182	90.8	200	1.64	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 95.2 % 44.4-145
 Surrogate: 1-Chlorooctadecane 86.0 % 40.6-153

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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: 05/06/2025
 Reported: 05/12/2025
 Project Name: 4863_0-1 LINE LEAK
 Project Number: 4863
 Project Location: DCP

Sampling Date: 05/06/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HA - 18 @ 0.5' (H252706-26)

BTX 8260B			mg/kg		Analyzed By: SK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.025	0.025	05/07/2025	ND	0.566	113	0.500	2.23		
Toluene*	<0.025	0.025	05/07/2025	ND	0.551	110	0.500	4.88		
Ethylbenzene*	<0.025	0.025	05/07/2025	ND	0.524	105	0.500	3.20		
Total Xylenes*	<0.050	0.050	05/07/2025	ND	1.69	113	1.50	12.4		
Total BTX	<0.150	0.150	05/07/2025	ND						

Surrogate: Dibromofluoromethane 99.3 % 86.7-111
 Surrogate: Toluene-d8 107 % 89.3-110
 Surrogate: 4-Bromofluorobenzene 95.2 % 88.2-108

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	05/07/2025	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	05/07/2025	ND	186	92.9	200	2.63	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	182	90.8	200	1.64	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 88.7 % 44.4-145
 Surrogate: 1-Chlorooctadecane 79.0 % 40.6-153

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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: 05/06/2025
 Reported: 05/12/2025
 Project Name: 4863_0-1 LINE LEAK
 Project Number: 4863
 Project Location: DCP

Sampling Date: 05/06/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HA - 18 @ 3' (H252706-29)

BTX 8260B		mg/kg		Analyzed By: SK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.025	0.025	05/07/2025	ND	0.566	113	0.500	2.23	
Toluene*	<0.025	0.025	05/07/2025	ND	0.551	110	0.500	4.88	
Ethylbenzene*	<0.025	0.025	05/07/2025	ND	0.524	105	0.500	3.20	
Total Xylenes*	<0.050	0.050	05/07/2025	ND	1.69	113	1.50	12.4	
Total BTX	<0.150	0.150	05/07/2025	ND					

Surrogate: Dibromofluoromethane 103 % 86.7-111
 Surrogate: Toluene-d8 97.8 % 89.3-110
 Surrogate: 4-Bromofluorobenzene 92.8 % 88.2-108

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	05/07/2025	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	05/07/2025	ND	186	92.9	200	2.63	
DRO >C10-C28*	<10.0	10.0	05/07/2025	ND	182	90.8	200	1.64	
EXT DRO >C28-C36	<10.0	10.0	05/07/2025	ND					

Surrogate: 1-Chlorooctane 85.8 % 44.4-145
 Surrogate: 1-Chlorooctadecane 75.9 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
A-01	ECCV failed high biased. All samples below reporting limit
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



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

1053

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															
Phone #: 575-318-5017		Fax #:															
Project #:		City: Hobbs															
Project Name: 4863 O-I LINE LEAK		State: NM Zip: 88240															
Project Location:		Phone #: 575-318-5017															
Sampler Name: Bryan Bastos		Fax #:															
FOR LAB USE ONLY																	
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	MATRIX						PRESERV		SAMPLING					
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER	DATE	TIME			
HA-13 @ 0.5'	HA-13 @ 0.5'		1	X						X			5-5-25	953	X	X	
HA-13 @ 1'	HA-13 @ 1'		1	X						X			1017	1017	X	X	
HA-13 @ 2'	HA-13 @ 2'		1	X						X			1035	1035	X	X	
HA-13 @ 3'	HA-13 @ 3'		1	X						X			1100	1100	X	X	
HA-13 @ 4'	HA-13 @ 4'		1	X						X			1122	1122	X	X	
HA-14 @ 0.5'	HA-14 @ 0.5'		1	X						X			1244	1244	X	X	
HA-14 @ 1'	HA-14 @ 1'		1	X						X			1301	1301	X	X	
HA-14 @ 2'	HA-14 @ 2'		1	X						X			1318	1318	X	X	
HA-14 @ 3'	HA-14 @ 3'		1	X						X			1335	1335	X	X	
HA-14 @ 4'	HA-14 @ 4'		1	X						X			1351	1351	X	X	
PLEASE NOTE: Labels and Drawings. Cardinal's liability and claims are limited to the amount paid by the client for this analysis. 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's liability exceed the amount paid by the client for this analysis. 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: [Signature]		Received By: [Signature]		Phone Result: ☐ Yes ☐ No		Fax Result: ☐ Yes ☐ No		Add'l Phone #:							
Relinquished By: [Signature]		Time: 5-6-25		Date: 5-6-25		Time: 1410		Received By: [Signature]		Sample Condition Cool		CHECKED BY: [Signature]					
Delivered By: (Circle One)		CF+0.3c #140		Intact		Sample Condition Cool		CHECKED BY: [Signature]									
Sampler - UPS - Bus - Other:		-3.5c / -3.2c		☒ Yes ☐ No		☐ Yes ☐ No											
† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476																	
REMARKS: email results: NMDData@tasman-geo.com; knorman@tasman-geo.com; bdeninis@tasman-geo.com; kstark@tasman-geo.com; bbastos@tasman-geo.com; Abbott.Hyman@pdc.com Stephen.Wenters@Pdc																	



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

2 of 3

Company Name: Tasman Geosciences				BILL TO				ANALYSIS REQUEST												
Project Manager: Kyle Norman				P.O. #:																
Address: 2620 W. Marland Blvd				Company: Tasman Geo																
City: Hobbs				Attn: Kyle Norman																
Phone #: 575-318-5017				Address: 2620 W. Marland																
Fax #: 575-318-5017				City: Hobbs																
Project #:				Project Owner: DCP Midstream																
Project Name: 4863 O-1 LINE LEAK				State: NM Zip: 88240																
Project Location:				Phone #: 575-318-5017																
Sample Name: Bryan Bastos				Fax #:																
FOR LAB USE ONLY																				
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER	DATE	TIME	TPH 8015 Ext	BTEX 8260	Chlorides	Hold	24-hr Rush	48-Hr Rush
HA-15@ 0.5'	HA-15@ 0.5'		1	X		X		X		X			5-6-25	914	X	X	X			
HA-15@ 1'	HA-15@ 1'		1	X		X		X		X			916	916	X	X	X			
HA-15@ 2'	HA-15@ 2'		1	X		X		X		X			918	918	X	X	X			
HA-15@ 3'	HA-15@ 3'		1	X		X		X		X			920	920	X	X	X			
HA-15@ 4'	HA-15@ 4'		1	X		X		X		X			922	922	X	X	X			
HA-16@ 0.5'	HA-16@ 0.5'		1	X		X		X		X			1063	1063	X	X	X			
HA-16@ 1'	HA-16@ 1'		1	X		X		X		X			1065	1065	X	X	X			
HA-16@ 2'	HA-16@ 2'		1	X		X		X		X			1007	1007	X	X	X			
HA-16@ 3'	HA-16@ 3'		1	X		X		X		X			1009	1009	X	X	X			
HA-16@ 4'	HA-16@ 4'		1	X		X		X		X			1011	1011	X	X	X			

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's obligations are 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 interruption, loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services rendered by Cardinal, regardless of whether such claim is based upon any of the above stated causes of action.

Relinquished By: *[Signature]* Time: 5-6-25 Received By: *[Signature]* Time: 1:40

Relinquished By: *[Signature]* Date: *[Blank]* Received By: *[Signature]* Date: *[Blank]*

Delivered By: (Circle One) *CF+D.30 #140* Sample Condition: *Intact* ☒ Yes ☐ No CHECKED BY: *[Signature]* (Initials)

Sampler - UPS - Bus - Other: *-3.5c/-3.2c* ☐ Yes ☒ No

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

REMARKS: email results: NMDData@tasman-geo.com, knorman@tasman-geo.com, bdenmis@tasman-geo.com, kstark@tasman-geo.com, bbastos@tasman-geo.com, Albert.Hyman@tasman-geo.com stephen.watkins@tasman-geo.com



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

353

Company Name: Tasman Geosciences				BILL TO				ANALYSIS REQUEST										
Project Manager: Kyle Norman				P.O. #:														
Address: 2620 W. Marland Blvd.				Company: Tasman Geo														
City: Hobbs				Attn: Kyle Norman														
Phone #: 575-318-5017				State: NM Zip: 88240														
Fax #:				Address: 2620 W. Marland														
Project #:				City: Hobbs														
Project Owner: DCP Midstream				State: NM Zip: 88240														
Project Location:				Phone #: 575-318-5017														
Sample Name: Bryan Bastos				Fax #:														
FOR LAB USE ONLY																		
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	MATRIX					PRESERV	SAMPLING	TPH 8015 Ext	BTEX	Chlorides	Hold	24-hr Rush	48-Hr Rush		
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME				
HAS276	HA-17@0.5'		1	X									5-6-25	1055	X	X	X	
21	HA-17@1'		1	X										1057				
22	HA-17@2'		1	X										1059				
23	HA-17@3'		1	X										1101				
24	HA-17@4'		1	X										1105	X	X	X	
25	HA-18@0.5'		1	X										1145	X	X		
26	HA-18@1'		1	X										1147			X	
27	HA-18@2'		1	X										1149				
28	HA-18@3'		1	X										1201	X	X	X	
29	HA-18@3'		1	X														

PLEASE NOTE: Liability and damages. Customer's liability and damages are limited to the amount paid by the client for the analysis. All claims including those for negligence and any other causes whatsoever shall be deemed waived unless made in writing and received by Capital within 30 days after completion of the applicable service. In no event shall Capital be liable for incidental or consequential damages, including without limitation, business interruption, loss of data, or loss of profits incurred by client. Its subsidiaries, affiliates or successors acting out of or related to the performance of services hereunder by Capital, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:	Received By:	Time:	Date:	Relinquished By:	Received By:	Time:	Date:
[Signature]	[Signature]	5-6-25	1-14-0	[Signature]	[Signature]		

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

Sample Condition Cool
Intact ☒ Yes ☐ No
Dyes ☒ Yes ☐ No

CHECKED BY: (Initials)

REMARKS:
NMData@tasman-geo.com, knorman@tasman-geo.com,
bdennis@tasman-geo.com, kstark@tasman-geo.com, bbastos@tasman-geo.com, Atbertt@tasman-geo.com, Shephard.Weathers@Pde.com

Phone Result: ☐ Yes ☐ No **Add'l Phone #:**
Fax Result: ☐ Yes ☐ No **Add'l Fax #:**

Sante Fe Main Office
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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 464608

QUESTIONS

Operator: DCP OPERATING COMPANY, LP 2331 Citywest Blvd Houston, TX 77042	OGRID: 36785
	Action Number: 464608
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2230128101
Incident Name	NAPP2230128101 O-1 LINE LEAK @ 0
Incident Type	Natural Gas Release
Incident Status	Remediation Plan Received

Location of Release Source

Please answer all the questions in this group.

Site Name	O-1 LINE LEAK
Date Release Discovered	10/14/2022
Surface Owner	State

Incident Details

Please answer all the questions in this group.

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

Nature and Volume of Release

Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.

Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Cause: Corrosion Pipeline (Any) Condensate Released: 23 BBL Recovered: 0 BBL Lost: 23 BBL.
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 464608

QUESTIONS (continued)

Operator: DCP OPERATING COMPANY, LP 2331 Citywest Blvd Houston, TX 77042	OGRID: 36785
	Action Number: 464608
	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: Ray Smalts Title: Sr Environmental Eng/Spec Email: raymond.a.smalts@p66.com Date: 02/20/2025
--	---

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QUESTIONS, Page 3

Action 464608

QUESTIONS (continued)

Operator: DCP OPERATING COMPANY, LP 2331 Citywest Blvd Houston, TX 77042	OGRID: 36785
	Action Number: 464608
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Site Characterization	
<i>Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	U.S. Geological Survey
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 1 and 5 (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	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (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	Low
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)	288
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	10425
GRO+DRO (EPA SW-846 Method 8015M)	9385
BTEX (EPA SW-846 Method 8021B or 8260B)	2.7
Benzene (EPA SW-846 Method 8021B or 8260B)	0
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
On what estimated date will the remediation commence	08/01/2025
On what date will (or did) the final sampling or liner inspection occur	09/01/2025
On what date will (or was) the remediation complete(d)	09/01/2025
What is the estimated surface area (in square feet) that will be reclaimed	1600
What is the estimated volume (in cubic yards) that will be reclaimed	200
What is the estimated surface area (in square feet) that will be remediated	1600
What is the estimated volume (in cubic yards) that will be remediated	200
<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 464608

QUESTIONS (continued)

Operator: DCP OPERATING COMPANY, LP 2331 Citywest Blvd Houston, TX 77042	OGRID: 36785
	Action Number: 464608
	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: 05/19/2025
<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 464608

QUESTIONS (continued)

Operator: DCP OPERATING COMPANY, LP 2331 Citywest Blvd Houston, TX 77042	OGRID: 36785
	Action Number: 464608
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Deferral Requests Only	
<i>Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.</i>	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS, Page 6

Action 464608

QUESTIONS (continued)

Operator: DCP OPERATING COMPANY, LP 2331 Citywest Blvd Houston, TX 77042	OGRID: 36785
	Action Number: 464608
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	457293
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/06/2025
What was the (estimated) number of samples that were to be gathered	90
What was the sampling surface area in square feet	6763

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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Santa Fe, NM 87505

CONDITIONS

Action 464608

CONDITIONS

Operator: DCP OPERATING COMPANY, LP 2331 Citywest Blvd Houston, TX 77042	OGRID: 36785
	Action Number: 464608
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

CONDITIONS

Created By	Condition	Condition Date
scwells	Remediation plan approved with conditions: The sampling variance request to collect confirmation base samples no more than every 400 ft2 is approved. However, sidewall samples should be collected no more than every 200 ft2. Submit remediation closure report to the OCD by 8/26/25.	5/28/2025