Received by OCD: 2/24/2023 9:38:50 AM Form C-141 State of New Mexico

Oil Conservation Division

	I uge I oj
Incident ID	nAPP2303463674
District RP	
Facility ID	
Application ID	

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Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>16</u> (ft bgs)
Did this release impact groundwater or surface water?	🗌 Yes 🛛 No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	🗌 Yes 🛛 No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	🗌 Yes 🛛 No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	🗌 Yes 🛛 No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	🗌 Yes 🛛 No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	🗌 Yes 🛛 No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	🗌 Yes 🛛 No
Are the lateral extents of the release within 300 feet of a wetland?	🗌 Yes 🛛 No
Are the lateral extents of the release overlying a subsurface mine?	🗌 Yes 🛛 No
Are the lateral extents of the release overlying an unstable area such as karst geology?	🛛 Yes 🗌 No
Are the lateral extents of the release within a 100-year floodplain?	🗌 Yes 🛛 No
Did the release impact areas not on an exploration, development, production, or storage site?	🖂 Yes 🗌 No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: Each of the following items must be included in the report.

- Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- Field data

Page 3

- Data table of soil contaminant concentration data
- \boxtimes Depth to water determination
- Determination of water sources and significant watercourses within ¹/₂-mile of the lateral extents of the release
- Boring or excavation logs
- Photographs including date and GIS information
- Topographic/Aerial maps
- Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

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			Facility ID	
			Application ID	
regulations all oper- public health or the failed to adequately addition, OCD acce and/or regulations. Printed Name: Signature: email:knormar	t the information given above is true and complete to the ators are required to report and/or file certain release not environment. The acceptance of a C-141 report by the G investigate and remediate contamination that pose a through the prance of a C-141 report does not relieve the operator of Kyle Norman	ifications and perform co OCD does not relieve the eat to groundwater, surfa responsibility for compl 	prrective actions for rele coperator of liability sho ce water, human health iance with any other feo Project Manager	ases which may endanger ould their operations have or the environment. In
OCD Only				
Received by:		Date:		

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Oil Conservation Division

<u>Remediation Plan Checklist</u>: Each of the following items must be included in the plan.

Incident IDnAPP2303463674District RPFacility IDApplication ID

Remediation Plan

Detailed description of proposed remediation technique Scaled sitemap with GPS coordinates showing delineation points Estimated volume of material to be remediated Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required) Deferral Requests Only: Each of the following items must be confirmed as part of any request for deferral of remediation. Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction. Extents of contamination must be fully delineated. Contamination does not cause an imminent risk to human health, the environment, or groundwater. 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. Kyle Norman Title: Regional Project Manager Printed Name: _____ Date:2/24/2023 Signature: Telephone: knorman@tasman-geo.com 575-318-5017 email: OCD Only _____ Date: ___ Received by: Approved Approved with Attached Conditions of Approval Denied Deferral Approved Signature: Date:

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A-LINE RELEASE Remediation Action Plan

NMOCD Incident No. nAPP2303463674 UL "P", Sec. 7, T18S, R27E 32.75537°, -104.31235° Eddy County, New Mexico

February 24, 2023



PREPARED ON BEHALF OF

DCP Midstream, LP 6900 E. Layton Avenue – Suite 900 Denver, CO 80237



PREPARED BY

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





February 24, 2023

DCP Midstream, LP 6900 E. Layton Avenue – Suite 900 Denver, Colorado 80237

Attn: Mr. Steve Weathers Email: <u>swweathers@dcpmidstream.com</u>

Re: Remediation Action Plan
A-Line Release
UL "P", Section 7, Township 18 South, Range 27 East
Eddy County, New Mexico
NMOCD Incident No. nAPP2303463674
Tasman Project No. 5248

Dear Mr. Weathers,

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

Tasman conducted initial assessment activities, identifying an approximately 8,993-square foot area that had been impacted by the release and 1,233-square foot by 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 Midstream, LP. Should you have any questions or require additional information, please do not hesitate to contact the undersigned.

Sincerely, Tasman, Inc.

Brett Dennis Senior Environmental Scientist bdennis@tasman-geo.com Kyle Norman Regional Project Manager <u>knorman@tasman-geo.com</u>



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Appendix D – Certified Laboratory Analytical Reports

A-Line Leak – nAPP2303463674 Remediation Summary and Closure Report



1.0 INTRODUCTION

Tasman, Inc. (Tasman) is pleased to submit this Remediation Action Plan for the A-Line Release (Site) on behalf of DCP Midstream, 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 "P" of Section 7, Township 18 South, Range 27 East in Eddy County, New Mexico. The release occurred from the A-Line, a 3-inch to 4-inch diameter poly natural gas pipeline. The release occurred on property held by the Bureau of Land Management (BLM). The location of the site is shown on Figure 1.

1.2 Release Detail and Initial Response

On February 1, 2023, the A-Line was discovered by DCP personnel to have failed due to a hole in the poly pipeline. A Notification of Release (NOR) was provided to the New Mexico Oil Conservation District (NMOCD) via online portal on February 3, 2023. The release resulted in the loss of approximately 35 barrels (bbls) of natural gas condensate. DCP personnel shut in the pipeline to isolate the release. The line will be repaired and returned to service. No natural gas condensate was recovered.

On February 7, 2023, Tasman provided the initial form C-141 to Jocelyn Harimon with the NMOCD. Copies of the 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) for registered water wells within a one-mile radius of the Site. Results of the NMOSE radius search indicates an average depth to ground water of 16 feet below ground surface (bgs). The Site Characteristics Map included on 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



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 located in an area of high potential to encounter karstic features.

2.3 **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:	~ 16	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. Based on site characteristics described in Section 2.0, 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
BTEX	50 mg/kg
Benzene	10 mg/kg
TPH – total petroleum hydrocarbons	GRO – gasoline range organics
DRO – diesel range organics	MRO – motor/lube oil range organics
BTEX – benzene, toluene, ethylbenzene, total xylenes	mg/kg – milligrams per kilogram

A-Line Leak – nAPP2303463674 Remediation Action Plan Report

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 February 3, 2023, Tasman was retained by DCP to respond to a release of natural gas and natural gas condensate at the Site. Initial observations indicated a disturbed area of approximately 10,226 square feet (ft²). A photographic log of the release area is included as Appendix C.

On February 3, 2023, Tasman advanced eight hand auger soil borings to delineate the release area laterally and horizontally. Soil borings HA-1 through HA-4 were advanced within the release area and soil borings HA-5 through HA-9 were advanced outside of the apparent release area. Soil borings were advanced to depths varying from six inches to four feet bgs.

On February 10, 2023, Tasman mobilized to the Site to advance an additional three hand auger soil borings to further delineate the release. Soil boring HA-9 was advanced within the release area and soil borings HA-10 and HA-11 were each advanced outside of the release margins. Soil borings were advanced to depths varying from one to two feet bgs. Three additional soil borings, BG-1 through BG-3, were advanced to assess background concentrations of chlorides at the Site. Additionally, Tasman provided a status update via email summarizing activities conducted on February 3, 2023, to Mike Bratcher and Robert Hamlin with the NMOCD.

On February 13, 2023, Tasman advanced three additional hand auger soil borings within the release area (HA-12 through HA-14) and were advanced to depths varying from two feet to seven feet bgs for the purpose of vertical delineation.

The attached Figure 2 illustrates the observed release area and location of soil samples/soil borings.

A-Line Leak – nAPP2303463674 Remediation Action Plan Report



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 NMOCDapproved 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 BTEX were greater than the NMOCD Action Levels in soil borings HA-2 and HA-14 at 0-0.5 feet bgs and HA-13 at 7 feet bgs. Total BTEX ranged from 146 milligrams per kilogram (mg/kg) at HA-2 at 0-0.5 feet bgs to 757 mg/kg at HA-13 4 feet bgs.

Concentrations of TPH were greater than the NMOCD Action Levels in soil borings HA-2 and HA-14 at 0-0.5 feet bgs and HA-13 at 4 feet bgs. Vertical delineation was achieved at both soil boring HA-13 and HA-14 at 7 feet bgs and 2 feet bgs, respectively. Total TPH ranged from 957 mg/kg at HA-2 at 0-0.5 feet bgs to 8,262 mg/kg at HA-14 at 0-0.5 feet bgs.

Concentrations of chlorides were greater than the NMOCD Action Levels in soil borings HA-3 at 4 feet bgs, HA-4 at 3.5 feet bgs, and HA-8 at 2 feet bgs. Detected concentrations of chloride ranged from 1,010 mg/kg to 1,660 mg/kg. Three background soil samples were collected outside of the release area at the locations illustrated on Figure 2 and submitted to Cardinal for chloride analysis. All three background sample points indicated chloride concentrations above NMOCD Action Levels with concentrations ranging from 1,280 mg/kg at BG-2 at 2 feet bgs and 1,980 mg/kg at BG-3 at 2 feet bgs. Therefore, the chloride concentrations that were observed within the release area soil samples are considered to be within the background concentration range.

A-Line Leak – nAPP2303463674 Remediation Action Plan Report



The delineation soil sample analytical results are summarized on Table 1 and the background soil sample analytical results are summarized in Table 2. Laboratory analytical results are included as Appendix D.

5.0 PROPOSED REMEDIAL ACTIONS

Tasman proposes to remediate the site using physical removal of soil within the delineated area of the release. Vertical delineation was not achieved at soil boring HA-2 that was advanced to 0-0.5 feet bgs due to buried 12-inch steel pipeline. Tasman will excavate the area utilizing a hydrovac surrounding soil boring HA-2 to NMOCD criteria applicable for the site. The areas surrounding soil boring HA-14 will be excavated to approximately 6 feet bgs and 2 feet bgs, respectively. Excavated soil will be staged on-site atop a polyethylene liner pending transportation under manifest to an NMOCD approved disposal facility. The surface of the overspray area will be treated using Micro-Blaze[®].

Once field data indicates that the release area has been remediated to NMOCD requirements established in Section 3.0, Tasman will collect five-point confirmation samples from the base and sidewalls of the excavation. The collected confirmation samples will represent an area no greater than 500 ft². Confirmation sampling activities and laboratory analysis will be conducted as described in Sections 4.1 and 4.2.

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 BLM (surface owner) will be consulted for their preference in native seed mix. Upon BLM 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 mean (e.g., screen or disc harrow) following the seeding event.

Figures

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Release Overview Map

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Tables

TABLE 1 - SOIL ANALYTICAL SUMMARY - DELINEATION SOIL SAMPLES DCP Midstream, LP

A-Line Leak NMOCD Incident No. nAPP2303463674

Sample ID	Sample	Sample Date	Soil	PID	Field Chloride	Benzene	Total BTEX ¹		TPH ² (mg/kg)		Chrloride ³
Sample ID	Depth (ft)	Sample Date	Status	(ppm)	(mg/kg)	(mg/kg)	(mg/kg)	GRO	DRO	MRO	TOTAL	(mg/kg)
	0-0.5		In-Situ	2,640	60.0							
	1	1 [In-Situ	396	60.2							
HA-1	2	2/3/2023	In-Situ	3,630	59.8	<0.050	2.77	17.7	<10.0	<10.0	17.7	32.0
	3	7 [In-Situ	1,960	59.0							
	4] [In-Situ	330	59.8	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
HA-2	0-0.5	2/3/2023	In-Situ	<5,000	57.9	<0.050	146	706	251	<10.0	957	32.0
	0-0.5		In-Situ	302	58.8	0.100	1.00	<10.0	<10.0	<10.0	<10.0	48.0
114.2	1	2/2/2022	In-Situ	150	279							
HA-3	2	2/3/2023	In-Situ	15.7	959							
	3	1 [In-Situ	19.5	1,562	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	1,660
	0-0.5		In-Situ	1,602	210	<0.050	1.49	<10.0	<10.0	<10.0	<10.0	240
	1	1 [In-Situ	758	620							
HA-4	2	2/3/2023	In-Situ	157	872							
	3	1 [In-Situ	683	1,389							
	3.5	1 [In-Situ	879	1,333	<0.050	1.34	<10.0	<10.0	<10.0	<10.0	1,570
	0-0.5		In-Situ	4.4	138							
HA-5	1	2/2/2022	In-Situ	11.6	209	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	256
HA-5	2	2/3/2023	In-Situ	5.2	139							
	3	1 [In-Situ	4.7	57.7	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	48.0
	0-0.5	2/2/2022	In-Situ	7.1	57.7							
HA-6	1	2/3/2023	In-Situ	4.0	59.2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	48.0
	0-0.5	2/2/2022	In-Situ	4.8	57.2							
HA-7	1	2/3/2023	In-Situ	3.1	59.0	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
	0-0.5		In-Situ	2.2	57.3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
HA-8	1	2/3/2023	In-Situ	3.0	693							
	2	1 .	In-Situ	4.2	912	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	1,010
	OCD Reclamati	ion Standards ⁴ 4 ft. below grade su	irface)	N/A	N/A	10	50		N/A		100	600
		Delineation Star		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 Administrative Code (NMAC) 19.15.29.13(D) - Restoration, Reclamation, and Re-vegetation (Reclamation for areas no longer MRO = Motor/lube oil range organics in use) for soils extending to 4 ft. below grade surface (bgs).

5. New Mexico Oil Conservation Division (NMOCD) Remediation and Delineation Standards (NMAC 19.15.29.12(N))

* = Denotes discrete/grab sample

Bold values denote concentrations above laboratory SDL

Red values denote concentrations above NMOCD Action Levels

BGS = Below ground surface GRO = Gasoline range organics DRO = Diesel range organics PID = Photoionization detector --- = Pending delivery of analytical results N/A = Not applicable

BG = Background

<SDL = The analyte was not detected above the laboratory sample detection limit (SDL)

TABLE 1 - SOIL ANALYTICAL SUMMARY - DELINEATION SOIL SAMPLES

DCP Midstream, LP A-Line Leak NMOCD Incident No. nAPP2303463674

Comula ID	Sample	Comula Data	Soil	PID	Field Chloride	Field Chloride Benzene To		Benzene Total BTEX ¹ TPH ² (mg/kg)				
Sample ID	Depth (ft)	Sample Date	Status	(ppm)	(mg/kg)	(mg/kg)	(mg/kg)	GRO	DRO	MRO	TOTAL	(mg/kg)
	0-0.5	2/10/2022	In-Situ	7.1	87.9	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	80.0
HA-9	1	2/10/2023	In-Situ	5.0	264	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	208
114 10	0-0.5	2/10/2022	In-Situ	6.0	57.7	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
HA-10	1	2/10/2023	In-Situ	3.3	56.4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
	0-0.5		In-Situ	8.1	59.2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
HA-11	1	2/10/2023	In-Situ	3.1	59.8							
	2] [In-Situ	5.1	199	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	208
	0-0.5		In-Situ	76.6		<0.050	0.685	<10.0	<10.0	<10.0	<10.0	80.0
HA-12	1	2/13/2023	In-Situ	96.4		<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	64.0
	2		In-Situ	66.4		<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	224
	4		In-Situ	2,457		53.0	757	3,340	122	<10.0	3,462	32.0
HA-13	5	2/13/2023	In-Situ	1,156								
HA-15	6	2/13/2023	In-Situ	184								
	7		In-Situ	21.8		0.371	1.79	<10.0	<10.0	<10.0	<10.0	80.0
	0-0.5		In-Situ	4,392		9.64	937	7,460	757	44.7	8,262	32.0
HA-14	1	2/13/2023	In-Situ	4,424								
	2		In-Situ	177		0.246	14.4	58.6	34.0	<10.0	92.6	128
	OCD Reclamati	ion Standards ⁴ 4 ft. below grade su	ırface)	N/A	N/A	10	50		N/A		100	600
		Delineation Star 1 4 ft. below grade		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 Administrative Code (NMAC) 19.15.29.13(D) - Restoration, Reclamation, and Re-vegetation (Reclamation for areas no longer MRO = Motor/lube oil range organics

in use) for soils extending to 4 ft. below grade surface (bgs).

5. New Mexico Oil Conservation Division (NMOCD) Remediation and Delineation Standards (NMAC 19.15.29.12(N))

* = Denotes discrete/grab sample

Bold values denote concentrations above laboratory SDL

Red values denote concentrations above NMOCD Action Levels

BGS = Below ground surface GRO = Gasoline range organics DRO = Diesel range organics PID = Photoionization detector --- = Pending delivery of analytical results <SDL = The analyte was not detected above the laboratory sample detection limit (SDL) N/A = Not applicable BG = Background

TABLE 2 - SOIL ANALYTICAL SUMMARY - BACKGROUND SOIL SAMPLES DCP Midstream, LP A-Line Leak NMOCD Incident No. nAPP2303463674

Sample ID	Sample	Samula Data	Soil	PID	Field Chloride Benzene T		ene Total BTEX ¹ TPH ² (mg/kg)					Chrloride ³
Sample ID	Depth (ft)	Sample Date	Status	(ppm)	(mg/kg)	(mg/kg)	(mg/kg)	GRO	DRO	MRO	TOTAL	(mg/kg)
	0-0.5'	2/3/2023	In-Situ	0.9	56.0							
BG-1	2	2/10/2022	In-Situ	7.5	58.6							16.0
	4	2/10/2023	In-Situ	6.0	56.8							16.0
	0-0.5		In-Situ	5.7	61.4							16.0
BG-2	2 2	2/10/2023	In-Situ	8.7	1,875							1,980
	3	1 [In-Situ	5.6	59.6							848
	0-0.5		In-Situ	4.2	782							23.0
BG-3	2	2/10/2023	In-Situ	7.3	1,155							1,280
	4	1 [In-Situ	4.3	845							848
	OCD Reclamati or soils less than 4	on Standards ⁴ I ft. below grade su	rface)	N/A	N/A	10	50		N/A		100	600
		Delineation Star 4 ft. below grade s		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 Administrative Code (NMAC) 19.15.29.13(D) - Restoration, Reclamation, and Re-vegetation (Reclamation for areas no longer MRO = Motor/lube oil range organics in use) for soils extending to 4 ft. below grade surface (bgs).

5. New Mexico Oil Conservation Division (NMOCD) Remediation and Delineation Standards (NMAC 19.15.29.12(N))

* = Denotes discrete/grab sample

Bold values denote concentrations above laboratory SDL

Red values denote concentrations above NMOCD Action Levels

BGS = Below ground surface GRO = Gasoline range organics DRO = Diesel range organics PID = Photoionization detector --- = Pending delivery of analytical results N/A = Not applicable BG = Background

<SDL = The analyte was not detected above the laboratory sample detection limit (SDL)

Appendix A – Initial Form C-141 and NMOCD Notifications

District I 1625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505 State of New Mexico Energy Minerals and Natural Resources Department

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Page 20 of 70

Form C-141 Revised August 24, 2018 Submit to appropriate OCD District office

)

Incident ID	nAPP2303463674
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party DCP Operating Company, LP	OGRID 36785		
Contact Name Stephen W Weathers	Contact Telephone 303-605-1718		
Contact email swweathers@dcpmidstream.com	Incident # (assigned by OCD)		
Contact mailing address6900 E. Layton Avenue - Suite 900	Denver CO 80237		

Location of Release Source

Latitude <u>32.75537</u>

Longitude -104.31235 (NAD 83 in decimal degrees to 5 decimal places)

Site Name A-Line Release	Site Type Pipeline
Date Release Discovered 02/01/2023	API# (if applicable)

Unit Letter	Section	Township	Range	County
Р	07	18S	27E	Eddy

Surface Owner: State Federal Tribal Private (Name: <u>BLM</u>

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	Yes No
Condensate	Volume Released (bbls) 35	Volume Recovered (bbls) 0
🗌 Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)
Cause of Release: On Fe release, the pipeline was	bruary 1, 2023, a condensate release was discovered fro	om an 8" poly line by a pumper. Upon discovery of the

rm C-141 State of New Mexico			Page 21 of
orm C-141		Incident ID	nAPP2303463674
age 2	Oil Conservation Division	District RP	
		Facility ID	
		Application ID	
XX7 (1))			<u> </u>
Was this a major release as defined by 19.15.29.7(A) NMAC? Yes No	If YES, for what reason(s) does the responsible parbarrels.	rty consider this a major release?	Condensate release of 35
	otice given to the OCD? By whom? To whom? W to the OCD portal on February 3, 2023.	hen and by what means (phone, e	email, etc)? A Notification

Initial Response

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

 \square The source of the release has been stopped.

The impacted area has been secured to protect human health and the environment.

Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.

All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have <u>not</u> been undertaken, explain why:

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 attach a narrative of actions to date. 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 attach all information needed for closure evaluation.

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.

Printed Name: Kyle Norman	Title: Regional Project Manager
Signature: Kyn // a	Date: <u>2/7/2023</u>
email: <u>knorman@tasman-geo.com</u>	Telephone:575-318-5017
OCD Only	
Received by: Jocelyn Harimon	Date:02/07/2023

Appendix B – Depth to Groundwater Information



New Mexico Office of the State Engineer Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced	(R=POD replaced O=orpha	, ined,	I												
& no longer serves a water right file.)	C=the fil closed)	le is							√ 2=NE est to laı	3=SW 4=S rgest) (N	E) JAD83 UTM in m	neters)	(In fe	eet)	
		POD Sub-		Q	Q	Q								W	ater
POD Number	Code	basin	County	64	16	4	Sec	Tws	Rng	Χ	Y	DistanceDep	othWellDept	hWater Co	lumn
<u>RA 04298</u>		RA	ED		1	2	19	18S	27E	564082	3622523* 🌍	1883	92		
<u>RA 03714</u>		RA	CH	4	4	2	08	18S	27E	566212	3625253* 🌍	1999	381		
<u>RA 05989</u>		RA	ED	3	2	4	01	18S	26E	562774	3626466* 🔵	2656	72	8	64
<u>RA 03409</u>		RA	ED	1	4	2	24	18S	26E	562763	3622210* 🌍	2724	175	18	157
<u>RA 02432</u>		RA	ED	2	3	1	12	18S	26E	561764	3625443* 🌍	2857	100		
<u>RA 02132 B</u>		RA	ED	1	2	1	24	18S	26E	561958	3622611* 🌍	3025	166		
<u>RA 01343 CLW</u>	0	RA	СН	1	2	4	14	18S	26E	561157	3623417* 🌍	3396	150	23	127
											Averaş	ge Depth to Wat	er:	16 fee	et
												Minimum De	pth:	8 fee	et
												Maximum De	pth:	23 fee	et
<u>Record Count:</u> 7															
UTMNAD83 Radius	<u>s Search (in</u>	<u>meters)</u>	<u>:</u>												
Easting (X): 564	414.729		North	ning	(Y):	3624	376.9	18		Radius: 3400				
*UTM location was derived	from PLSS	- see Help													
The data is furnished by the N accuracy, completeness, reliab										lerstanding th	at the OSE/ISC ma	ke no warranties,	expressed or im	plied, concert	ning the

2/2/23 2:10 PM

WATER COLUMN/ AVERAGE DEPTH TO WATER

Appendix C – Photographic Log

















Appendix D – Certified Laboratory Analytical Reports



February 09, 2023

KYLE NORMAN TASMAN GEOSCIENCES

6899 PECOS ST. UNIT C

DENVER, CO 80221

RE: 5248_A LINE LEAK

Enclosed are the results of analyses for samples received by the laboratory on 02/07/23 14:49.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



Analytical Results For:

		TASMAN GEOSCIENCES KYLE NORMAN 6899 PECOS ST. UNIT C DENVER CO, 80221 Fax To:		
Received:	02/07/2023		Sampling Date:	02/03/2023
Reported:	02/09/2023		Sampling Type:	Soil
Project Name:	5248_A LINE LEAK		Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN		Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN			

Sample ID: HA - 1 @ 2' (H230526-01)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	02/08/2023	ND	2.13	107	2.00	0.704	
Toluene*	0.370	0.050	02/08/2023	ND	2.10	105	2.00	1.35	
Ethylbenzene*	0.590	0.050	02/08/2023	ND	2.07	104	2.00	2.13	QM-07
Total Xylenes*	1.81	0.150	02/08/2023	ND	6.24	104	6.00	3.03	QM-07
Total BTEX	2.77	0.300	02/08/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Chloride	32.0	16.0	02/08/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
GRO C6-C10*	17.7	10.0	02/08/2023	ND	207	104	200	2.16	
DRO >C10-C28*	<10.0	10.0	02/08/2023	ND	205	102	200	4.52	
EXT DRO >C28-C36	<10.0	10.0	02/08/2023	ND					
Surrogate: 1-Chlorooctane	107 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107 9	% 49.1-14	0						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

		TASMAN GEOSCIENCES KYLE NORMAN 6899 PECOS ST. UNIT C DENVER CO, 80221 Fax To:		
Received:	02/07/2023		Sampling Date:	02/03/2023
Reported:	02/09/2023		Sampling Type:	Soil
Project Name:	5248_A LINE LEAK		Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN		Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN			

Sample ID: HA - 1 @ 4' (H230526-02)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2023	ND	2.13	107	2.00	0.704	
Toluene*	<0.050	0.050	02/08/2023	ND	2.10	105	2.00	1.35	
Ethylbenzene*	<0.050	0.050	02/08/2023	ND	2.07	104	2.00	2.13	
Total Xylenes*	<0.150	0.150	02/08/2023	ND	6.24	104	6.00	3.03	
Total BTEX	<0.300	0.300	02/08/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/08/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2023	ND	207	104	200	2.16	
DRO >C10-C28*	<10.0	10.0	02/08/2023	ND	205	102	200	4.52	
EXT DRO >C28-C36	<10.0	10.0	02/08/2023	ND					
Surrogate: 1-Chlorooctane	106	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	108	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

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:	02/07/2023		Sampling Date:	02/03/2023
Reported:	02/09/2023		Sampling Type:	Soil
Project Name:	5248_A LINE LEAK		Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN		Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN			

Sample ID: HA - 2 @ 0-0.5' (H230526-03)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.500	0.500	02/08/2023	ND	2.13	107	2.00	0.704	
Toluene*	25.1	0.500	02/08/2023	ND	2.10	105	2.00	1.35	
Ethylbenzene*	36.2	0.500	02/08/2023	ND	2.07	104	2.00	2.13	
Total Xylenes*	84.6	1.50	02/08/2023	ND	6.24	104	6.00	3.03	
Total BTEX	146	3.00	02/08/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	155	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Chloride	32.0	16.0	02/08/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyzed By: MS						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
GRO C6-C10*	706	10.0	02/08/2023	ND	207	104	200	2.16	
DRO >C10-C28*	251	10.0	02/08/2023	ND	205	102	200	4.52	
EXT DRO >C28-C36	<10.0	10.0	02/08/2023	ND					
Surrogate: 1-Chlorooctane	139	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

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:	02/07/2023		Sampling Date:	02/03/2023
Reported:	02/09/2023		Sampling Type:	Soil
Project Name:	5248_A LINE LEAK		Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN		Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN			

Sample ID: HA - 3 @ 0-0.5' (H230526-04)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.100	0.050	02/08/2023	ND	2.13	107	2.00	0.704	
Toluene*	0.375	0.050	02/08/2023	ND	2.10	105	2.00	1.35	
Ethylbenzene*	0.170	0.050	02/08/2023	ND	2.07	104	2.00	2.13	
Total Xylenes*	0.357	0.150	02/08/2023	ND	6.24	104	6.00	3.03	
Total BTEX	1.00	0.300	02/08/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/08/2023	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	02/08/2023	ND	207	104	200	2.16	
DRO >C10-C28*	<10.0	10.0	02/08/2023	ND	205	102	200	4.52	
EXT DRO >C28-C36	<10.0	10.0	02/08/2023	ND					
Surrogate: 1-Chlorooctane	106	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	106	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

		TASMAN GEOSCIENCES KYLE NORMAN 6899 PECOS ST. UNIT C DENVER CO, 80221 Fax To:		
Received:	02/07/2023		Sampling Date:	02/03/2023
Reported:	02/09/2023		Sampling Type:	Soil
Project Name:	5248_A LINE LEAK		Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN		Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN			

Sample ID: HA - 3 @ 3' (H230526-05)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2023	ND	2.13	107	2.00	0.704	
Toluene*	<0.050	0.050	02/08/2023	ND	2.10	105	2.00	1.35	
Ethylbenzene*	<0.050	0.050	02/08/2023	ND	2.07	104	2.00	2.13	
Total Xylenes*	<0.150	0.150	02/08/2023	ND	6.24	104	6.00	3.03	
Total BTEX	<0.300	0.300	02/08/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1660	16.0	02/08/2023	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	02/08/2023	ND	207	104	200	2.16	
DRO >C10-C28*	<10.0	10.0	02/08/2023	ND	205	102	200	4.52	
EXT DRO >C28-C36	<10.0	10.0	02/08/2023	ND					
Surrogate: 1-Chlorooctane	104	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

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:	02/07/2023		Sampling Date:	02/03/2023
Reported:	02/09/2023		Sampling Type:	Soil
Project Name:	5248_A LINE LEAK		Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN		Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN			

Sample ID: HA - 4 @ 0-0.5' (H230526-06)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2023	ND	2.13	107	2.00	0.704	
Toluene*	0.522	0.050	02/08/2023	ND	2.10	105	2.00	1.35	
Ethylbenzene*	0.306	0.050	02/08/2023	ND	2.07	104	2.00	2.13	
Total Xylenes*	0.664	0.150	02/08/2023	ND	6.24	104	6.00	3.03	
Total BTEX	1.49	0.300	02/08/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	02/08/2023	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	02/08/2023	ND	207	104	200	2.16	
DRO >C10-C28*	<10.0	10.0	02/08/2023	ND	205	102	200	4.52	
EXT DRO >C28-C36	<10.0	10.0	02/08/2023	ND					
Surrogate: 1-Chlorooctane	107	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager


		TASMAN GEOSCIENCES KYLE NORMAN 6899 PECOS ST. UNIT C DENVER CO, 80221 Fax To:		
Received:	02/07/2023		Sampling Date:	02/03/2023
Reported:	02/09/2023		Sampling Type:	Soil
Project Name:	5248_A LINE LEAK		Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN		Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN			

Sample ID: HA - 4 3.5' (H230526-07)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2023	ND	2.13	107	2.00	0.704	
Toluene*	0.228	0.050	02/08/2023	ND	2.10	105	2.00	1.35	
Ethylbenzene*	0.303	0.050	02/08/2023	ND	2.07	104	2.00	2.13	
Total Xylenes*	0.806	0.150	02/08/2023	ND	6.24	104	6.00	3.03	
Total BTEX	1.34	0.300	02/08/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1570	16.0	02/08/2023	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2023	ND	207	104	200	2.16	
DRO >C10-C28*	<10.0	10.0	02/08/2023	ND	205	102	200	4.52	
EXT DRO >C28-C36	<10.0	10.0	02/08/2023	ND					
Surrogate: 1-Chlorooctane	102	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		TASMAN GEOSCIENCES KYLE NORMAN 6899 PECOS ST. UNIT C DENVER CO, 80221 Fax To:		
Received:	02/07/2023		Sampling Date:	02/03/2023
Reported:	02/09/2023		Sampling Type:	Soil
Project Name:	5248_A LINE LEAK		Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN		Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN			

Sample ID: HA - 5 @ 1' (H230526-08)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2023	ND	2.13	107	2.00	0.704	
Toluene*	<0.050	0.050	02/08/2023	ND	2.10	105	2.00	1.35	
Ethylbenzene*	<0.050	0.050	02/08/2023	ND	2.07	104	2.00	2.13	
Total Xylenes*	<0.150	0.150	02/08/2023	ND	6.24	104	6.00	3.03	
Total BTEX	<0.300	0.300	02/08/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	02/08/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2023	ND	207	104	200	2.16	
DRO >C10-C28*	<10.0	10.0	02/08/2023	ND	205	102	200	4.52	
EXT DRO >C28-C36	<10.0	10.0	02/08/2023	ND					
Surrogate: 1-Chlorooctane	96.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.6	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



		TASMAN GEOSCIENCES KYLE NORMAN 6899 PECOS ST. UNIT C DENVER CO, 80221 Fax To:		
Received:	02/07/2023		Sampling Date:	02/03/2023
Reported:	02/09/2023		Sampling Type:	Soil
Project Name:	5248_A LINE LEAK		Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN		Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN			

Sample ID: HA - 5 @ 3' (H230526-09)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2023	ND	2.13	107	2.00	0.704	
Toluene*	<0.050	0.050	02/08/2023	ND	2.10	105	2.00	1.35	
Ethylbenzene*	<0.050	0.050	02/08/2023	ND	2.07	104	2.00	2.13	
Total Xylenes*	<0.150	0.150	02/08/2023	ND	6.24	104	6.00	3.03	
Total BTEX	<0.300	0.300	02/08/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/08/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2023	ND	207	104	200	2.16	
DRO >C10-C28*	<10.0	10.0	02/08/2023	ND	205	102	200	4.52	
EXT DRO >C28-C36	<10.0	10.0	02/08/2023	ND					
Surrogate: 1-Chlorooctane	109	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	110 9	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



		TASMAN GEOSCIENCES KYLE NORMAN 6899 PECOS ST. UNIT C DENVER CO, 80221 Fax To:		
Received:	02/07/2023		Sampling Date:	02/03/2023
Reported:	02/09/2023		Sampling Type:	Soil
Project Name:	5248_A LINE LEAK		Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN		Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN			

Sample ID: HA - 6 @ 1' (H230526-10)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2023	ND	2.13	107	2.00	0.704	
Toluene*	<0.050	0.050	02/08/2023	ND	2.10	105	2.00	1.35	
Ethylbenzene*	<0.050	0.050	02/08/2023	ND	2.07	104	2.00	2.13	
Total Xylenes*	<0.150	0.150	02/08/2023	ND	6.24	104	6.00	3.03	
Total BTEX	<0.300	0.300	02/08/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/08/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2023	ND	207	104	200	2.16	
DRO >C10-C28*	<10.0	10.0	02/08/2023	ND	205	102	200	4.52	
EXT DRO >C28-C36	<10.0	10.0	02/08/2023	ND					
Surrogate: 1-Chlorooctane	104 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105 9	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



		TASMAN GEOSCIENCES KYLE NORMAN 6899 PECOS ST. UNIT C DENVER CO, 80221 Fax To:			
Received:	02/07/2023		Sampling Date:	02	/03/2023
Reported:	02/09/2023		Sampling Type:	So	il
Project Name:	5248_A LINE LEAK		Sampling Condition:	Co	ol & Intact
Project Number:	NONE GIVEN		Sample Received By:	Sh	alyn Rodriguez
Project Location:	NONE GIVEN				

Sample ID: HA - 7 @ 1' (H230526-11)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2023	ND	2.13	107	2.00	0.704	
Toluene*	<0.050	0.050	02/08/2023	ND	2.10	105	2.00	1.35	
Ethylbenzene*	<0.050	0.050	02/08/2023	ND	2.07	104	2.00	2.13	
Total Xylenes*	<0.150	0.150	02/08/2023	ND	6.24	104	6.00	3.03	
Total BTEX	<0.300	0.300	02/08/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/08/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2023	ND	207	104	200	2.16	
DRO >C10-C28*	<10.0	10.0	02/08/2023	ND	205	102	200	4.52	
EXT DRO >C28-C36	<10.0	10.0	02/08/2023	ND					
Surrogate: 1-Chlorooctane	111 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	111 9	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



		TASMAN GEOSCIENCES KYLE NORMAN 6899 PECOS ST. UNIT C DENVER CO, 80221 Fax To:		
Received:	02/07/2023		Sampling Date:	02/03/2023
Reported:	02/09/2023		Sampling Type:	Soil
Project Name:	5248_A LINE LEAK		Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN		Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN			

Sample ID: HA - 8 @ 0-0.5' (H230526-12)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2023	ND	2.13	107	2.00	0.704	
Toluene*	<0.050	0.050	02/08/2023	ND	2.10	105	2.00	1.35	
Ethylbenzene*	<0.050	0.050	02/08/2023	ND	2.07	104	2.00	2.13	
Total Xylenes*	<0.150	0.150	02/08/2023	ND	6.24	104	6.00	3.03	
Total BTEX	<0.300	0.300	02/08/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/08/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2023	ND	207	104	200	2.16	
DRO >C10-C28*	<10.0	10.0	02/08/2023	ND	205	102	200	4.52	
EXT DRO >C28-C36	<10.0	10.0	02/08/2023	ND					
Surrogate: 1-Chlorooctane	105	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	106	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



		TASMAN GEOSCIENCES KYLE NORMAN 6899 PECOS ST. UNIT C DENVER CO, 80221 Fax To:		
Received:	02/07/2023		Sampling Date:	02/03/2023
Reported:	02/09/2023		Sampling Type:	Soil
Project Name:	5248_A LINE LEAK		Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN		Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN			

Sample ID: HA - 8 @ 2' (H230526-13)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2023	ND	2.13	107	2.00	0.704	
Toluene*	<0.050	0.050	02/08/2023	ND	2.10	105	2.00	1.35	
Ethylbenzene*	<0.050	0.050	02/08/2023	ND	2.07	104	2.00	2.13	
Total Xylenes*	<0.150	0.150	02/08/2023	ND	6.24	104	6.00	3.03	
Total BTEX	<0.300	0.300	02/08/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1010	16.0	02/08/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2023	ND	207	104	200	2.16	
DRO >C10-C28*	<10.0	10.0	02/08/2023	ND	205	102	200	4.52	
EXT DRO >C28-C36	<10.0	10.0	02/08/2023	ND					
Surrogate: 1-Chlorooctane	100	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.5	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
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 SM4500CI-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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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager

Design With Manuel 1 dst	restrati neosciences											8	BILL TO						ANA	ANALYSIS	I SIG	REQ	REQUEST
Project Manager: Kyle Norman	e Norman								P.O. #:	*					1			-	-	-	_		-
Address: 2620 W. Marland Blvd	Marland Blvd.								Cor	Company:	ny:	Tası	Tasman Geo		-	-	-	_	c .	3			
City: Hobbs	State: NM	lip: 8	Zip: 88240	0					Atta	n: Ky	rle N	Attn: Kyle Norman	lan		-	_	_	-	on	511			
Phone #: 575-318-5017)17 Fax #:								Add	ress	: 26	20 V	Address: 2620 W. Marland			_	_	_	nie		_	_	
Project #:	Project Owner: DCP Midstrean L.P	DCP N	Mids	trear	LP				City	City: Hobbs	bbs					N	-	5	_		_	_	SH
	5248_A Line Leak								Stat	State: NM		Zip:	Zip: 88240		es	51		_	_	113	-	-	US
Project Location:									Pho	ne #	5	5-3	Phone #: 575-318-5017		id	01	EX	-	_		-	-	R
Sampler Name: Chris Flores	Flores								Fax #:	*					lo	8	BTE	-	_		TD	0	our
R LAB USE ONLY			Η	П	1	MATRIX	RIX			PRE	PRESERV.		SAM	SAMPLING	Ch	РН	B	-	_	-	-	-	Ho
		C)OMP	_	-	ER					8					C	TP		TP		ion	_		24 1
Lab I.D.	Sample I.D.	GRAB OR (C	# CONTAIN	ROUNDWAT	WASTEWAT	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE	ICE / COOL	OTHER :							Comp	Comp			2
	HA-1 @ 2'	G	-			×				-	×	-	2/03/23	0920	×	×	×	+	+	+	+	+	×
N	HA-1 @ 4'	G	-			×				_	×	_	2/03/23	0940	×	×	×	+	+	+	+	-	×
CA	HA-2 @ 0-0.5'	G	-			×				_	×	_	2/03/23	1000	×	×	×	1	+	+	+	-	×
4	HA-3 @ 0-0.5'	G	1			х					×	_	2/03/23	1010	×	×	×	1	+	+	+	_	×
5	HA-3 @ 3'	G	-			×					×		2/03/23	1040	×	×	×	1	+	+	+	-	×
6	HA-4 @ 0-0.5"	G	-			×					×	_	2/03/23	1100	×	×	×			-	+	-	×
2	HA-4 3.5'	G	-			×					×		2/03/23	1140	×	×	×			-	-		×
X	HA-5 @ 1'	G	-			×					×	-	2/03/23	1210	×	×	×				-	_	×
5-4	HA-5 @ 3'	G G				××		-	-	+	< ×	+	2/03/23	1230	<×	××	×				+	+	×
PLEASE NOTE: Liability and Damages. Says after completion of the applicable see affliates or successors among out of or re	Cardinal's lability and client's exclusive temedy for any client anisong where is no event shall Cardinal be liable for incidental or consequental also to the performance of services hereunder by Cedinal, regardless also to the performance of services hereunder by Cedinal, regardless	ether base darrages of whether	s, incluser such	ding w	t or fort	shall b	e limited to business any of the	shall be limited to the ar tation, business interrug upon any of the above	upform	loss of reason	nount paid by the client stores, loss of use, or lo stated reasons or other	paid by the client for the loss of use, or loss of pr reasons or otherwise.	analyses ofits incurs	Al claims including those ad by client, its subsidiarie	for negle	ance and a	ny officer of	ause what	scever sh	all be dee	Tried wayle	sd unless	rade in writing and
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Delivered By: (Circle One) Sampler - UPS - Bus - Other:	- other: - 8.8.10.0.0		N		Sample Conc Intact	e Co	nditio	Sample Condition Cool Intact	ĕ		(IF CHEC	(Initials)	-	geo.com, alnyman@dcpmidstream.com jhyman@dcpmidstream.com	dcp	mids	n@c	im.c	nuc	real	n.cc	om,	

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Page 16 of 17

Released to Imaging: 2/24/2023 11:42:50 AM

Company Name: Tas	Tasman Geosciences								_				8	BILL TO						ANA	LYS	ISR	Ø	ANALYSIS REQUEST					
Project Manager: Kyle Norman	e Norman					1	1		-	P.O. #:	*					Τ			1	1	+	-	4				+		
Address: 2620 W. N	2620 W. Marland Blvd.			- 1						ŝ	pan	×.	Tas	Company: Tasman Geo					_	s	-	_	_				_	_	
city: Hobbs	State: NM Z	Zip: 88240	824	0					>	Attn: Kyle Norman	Ky	le N	orn	nan					_	on		_	_				_		
Phone #: 575-318-5017	117 Fax #:								>	ddr	ess:	26	20 V	Address: 2620 W. Marland						ni		_		-			_		
Project #:	Project Owner: DCP Midstrean	CP M	lidst	treat	n L.P				-	City: Hobbs	Hol	sqc					N		5	A/A	-		_	SH			_		
Project Name: 52	5248_A Line Leak								5	State: NM	NN		Zip:	Zip: 88240		es	51		00	ns			_	US			_	_	
Project Location:									-	hon	e #	57	5	Phone #: 575-318-5017		rid	01	EX	X1	tic	S	LD		R				_	
Sampler Name: Chris Flores	Flores								-71	Fax #:						lo	8	зт	Т	Ca	-	-	_	bui			-		
FOR LAB USE ONLY		2		П	11	S	MATRIX	1	łł	L.	PRESERV.	ERV	7	SAM	SAMPLING	Ch	Н	E	Н	e (-		_	Ho				_	
Lab I.D. H230536	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE		OTHER :	ACID/BASE	ICE / COOL	OTHER :	DATE	TIME	(TF		TP	Complete				24					
11	HA-7 @ 1'	G	-		-	×	-	-	-	-	_	×		2/03/23	1400	×	×	×		1	1	┥	+	×			+	4	
12	HA-8 @ 0-0.5'	G	-			×	-	-	-	-		×		2/03/23	1420	×	×	×				+	-	×			+	-	
CI.	HA-8 @ 2'	G	-			×	-		-	-		×		2/03/23	1440	×	×	×					++	×				+	
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 TLANSE WOLLE: Labolity and Duminges. Cardinal's labelity and claint's ex days after completion of the applicable service. In no event shall Cardinal affiliates or successions unany out of or related to the performance of serv. 	In Section 2 seems and clients exclusive remody for any client ensuing whether based in contrast or that also limited to the amount paid by the client for the amalyses. All clients including these formation in the section of the	ether bas darrages d whethe	er such	contra ding w	d or to	rt, shai Imilatic ed upo	n ba	sted to of the	the an shove a	fors,)	oss of	user, o	r loss o	the amalyses. All d if profits incurred by	ains including those i client, its subsidiare	8	registence and any other	ny other cu	Cise whats	oever sha	i be deem	pd waived	UNING	enatoover shall be deemed valved unless made in witing and received by Cardinal within	ning and	received	d by Ca	rdnal a	anin 30
Relinquished By:		Received By:	eive	ed E	X	2	2	\leq	2	0	21	\mathbf{r}	-	0 0 0	Phone Result: Fax Result: REMARKS:	□ Yes	es (U NO		Add'l Add'l	Add'l Phone #: Add'l Fax #:	开							
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† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

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ON D NO d Yes d Yes Intact

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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 ARDINAL LABORATORIES

2 day



February 13, 2023

KYLE NORMAN

TASMAN GEOSCIENCES

6899 PECOS ST. UNIT C

DENVER, CO 80221

RE: 5248_A LINE LEAK

Enclosed are the results of analyses for samples received by the laboratory on 02/13/23 8:00.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



		TASMAN GEOSCIENCES KYLE NORMAN 6899 PECOS ST. UNIT C DENVER CO, 80221 Fax To:		
Received:	02/13/2023		Sampling Date:	02/10/2023
Reported:	02/13/2023		Sampling Type:	Soil
Project Name:	5248_A LINE LEAK		Sampling Condition:	Cool & Intact
Project Number:	NAPP2303463674		Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN			

Sample ID: BG - 1 @ 2' (H230655-01)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	02/13/2023	ND	432	108	400	0.00	

Sample ID: BG - 1 @ 4' (H230655-02)

Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	02/13/2023	ND	432	108	400	0.00	

Sample ID: BG - 2 @ 0-0.5' (H230655-03)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	02/13/2023	ND	432	108	400	0.00	

Sample ID: BG - 2 @ 2' (H230655-04)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1980	16.0	02/13/2023	ND	432	108	400	0.00	

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		TASMAN GEOSCIENCES KYLE NORMAN 6899 PECOS ST. UNIT C DENVER CO, 80221 Fax To:		
Received:	02/13/2023		Sampling Date:	02/10/2023
Reported:	02/13/2023		Sampling Type:	Soil
Project Name:	5248_A LINE LEAK		Sampling Condition:	Cool & Intact
Project Number:	NAPP2303463674		Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN			

Sample ID: BG - 2 @ 3' (H230655-05)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	848	16.0	02/13/2023	ND	432	108	400	0.00	

Sample ID: BG - 3 @ 0-0.5' (H230655-06)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/13/2023	ND	432	108	400	0.00	

Sample ID: BG - 3 @ 2' (H230655-07)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1280	16.0	02/13/2023	ND	432	108	400	0.00	

Sample ID: BG - 3 @ 4' (H230655-08)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	848	16.0	02/13/2023	ND	432	108	400	0.00	

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		TASMAN GEOSCIENCES KYLE NORMAN 6899 PECOS ST. UNIT C DENVER CO, 80221 Fax To:		
Received:	02/13/2023		Sampling Date:	02/10/2023
Reported:	02/13/2023		Sampling Type:	Soil
Project Name:	5248_A LINE LEAK		Sampling Condition:	Cool & Intact
Project Number:	NAPP2303463674		Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN			

Sample ID: HA - 9 @ 0-0.5' (H230655-09)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/13/2023	ND	2.09	105	2.00	0.137	
Toluene*	<0.050	0.050	02/13/2023	ND	2.07	103	2.00	0.973	
Ethylbenzene*	<0.050	0.050	02/13/2023	ND	2.03	101	2.00	0.570	
Total Xylenes*	<0.150	0.150	02/13/2023	ND	6.15	103	6.00	0.438	
Total BTEX	<0.300	0.300	02/13/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	02/13/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/13/2023	ND	170	84.9	200	0.684	
DRO >C10-C28*	<10.0	10.0	02/13/2023	ND	175	87.6	200	2.92	
EXT DRO >C28-C36	<10.0	10.0	02/13/2023	ND					
Surrogate: 1-Chlorooctane	75.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	79.4	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		TASMAN GEOSCIENCES KYLE NORMAN 6899 PECOS ST. UNIT C DENVER CO, 80221 Fax To:		
Received:	02/13/2023		Sampling Date:	02/10/2023
Reported:	02/13/2023		Sampling Type:	Soil
Project Name:	5248_A LINE LEAK		Sampling Condition:	Cool & Intact
Project Number:	NAPP2303463674		Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN			

Sample ID: HA - 9 @ 1' (H230655-10)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/13/2023	ND	2.09	105	2.00	0.137	
Toluene*	<0.050	0.050	02/13/2023	ND	2.07	103	2.00	0.973	
Ethylbenzene*	<0.050	0.050	02/13/2023	ND	2.03	101	2.00	0.570	
Total Xylenes*	<0.150	0.150	02/13/2023	ND	6.15	103	6.00	0.438	
Total BTEX	<0.300	0.300	02/13/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	02/13/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/13/2023	ND	170	84.9	200	0.684	
DRO >C10-C28*	<10.0	10.0	02/13/2023	ND	175	87.6	200	2.92	
EXT DRO >C28-C36	<10.0	10.0	02/13/2023	ND					
Surrogate: 1-Chlorooctane	62.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	63.7	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		TASMAN GEOSCIENCES KYLE NORMAN 6899 PECOS ST. UNIT C DENVER CO, 80221 Fax To:		
Received:	02/13/2023		Sampling Date:	02/10/2023
Reported:	02/13/2023		Sampling Type:	Soil
Project Name:	5248_A LINE LEAK		Sampling Condition:	Cool & Intact
Project Number:	NAPP2303463674		Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN			

Sample ID: HA - 10 @ 0-0.5' (H230655-11)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/13/2023	ND	2.09	105	2.00	0.137	
Toluene*	<0.050	0.050	02/13/2023	ND	2.07	103	2.00	0.973	
Ethylbenzene*	<0.050	0.050	02/13/2023	ND	2.03	101	2.00	0.570	
Total Xylenes*	<0.150	0.150	02/13/2023	ND	6.15	103	6.00	0.438	
Total BTEX	<0.300	0.300	02/13/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/13/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/13/2023	ND	170	84.9	200	0.684	
DRO >C10-C28*	<10.0	10.0	02/13/2023	ND	175	87.6	200	2.92	
EXT DRO >C28-C36	<10.0	10.0	02/13/2023	ND					
Surrogate: 1-Chlorooctane	74.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	79.6	% 49.1-14	8						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



		TASMAN GEOSCIENCES KYLE NORMAN 6899 PECOS ST. UNIT C DENVER CO, 80221 Fax To:		
Received:	02/13/2023		Sampling Date:	02/10/2023
Reported:	02/13/2023		Sampling Type:	Soil
Project Name:	5248_A LINE LEAK		Sampling Condition:	Cool & Intact
Project Number:	NAPP2303463674		Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN			

Sample ID: HA - 10 @ 1' (H230655-12)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	02/13/2023	ND	2.09	105	2.00	0.137	
Toluene*	<0.050	0.050	02/13/2023	ND	2.07	103	2.00	0.973	
Ethylbenzene*	<0.050	0.050	02/13/2023	ND	2.03	101	2.00	0.570	
Total Xylenes*	<0.150	0.150	02/13/2023	ND	6.15	103	6.00	0.438	
Total BTEX	<0.300	0.300	02/13/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	02/13/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/13/2023	ND	170	84.9	200	0.684	
DRO >C10-C28*	<10.0	10.0	02/13/2023	ND	175	87.6	200	2.92	
EXT DRO >C28-C36	<10.0	10.0	02/13/2023	ND					
Surrogate: 1-Chlorooctane	82.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	85.6	% 49.1-14	8						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



		TASMAN GEOSCIENCES KYLE NORMAN 6899 PECOS ST. UNIT C DENVER CO, 80221 Fax To:		
Received:	02/13/2023		Sampling Date:	02/10/2023
Reported:	02/13/2023		Sampling Type:	Soil
Project Name:	5248_A LINE LEAK		Sampling Condition:	Cool & Intact
Project Number:	NAPP2303463674		Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN			

Sample ID: HA - 11 @ 0-0.5' (H230655-13)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/13/2023	ND	2.09	105	2.00	0.137	
Toluene*	<0.050	0.050	02/13/2023	ND	2.07	103	2.00	0.973	
Ethylbenzene*	<0.050	0.050	02/13/2023	ND	2.03	101	2.00	0.570	
Total Xylenes*	<0.150	0.150	02/13/2023	ND	6.15	103	6.00	0.438	
Total BTEX	<0.300	0.300	02/13/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	02/13/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/13/2023	ND	170	84.9	200	0.684	
DRO >C10-C28*	<10.0	10.0	02/13/2023	ND	175	87.6	200	2.92	
EXT DRO >C28-C36	<10.0	10.0	02/13/2023	ND					
Surrogate: 1-Chlorooctane	75.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	78.8	% 49.1-14	8						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



		TASMAN GEOSCIENCES KYLE NORMAN 6899 PECOS ST. UNIT C DENVER CO, 80221 Fax To:		
Received:	02/13/2023		Sampling Date:	02/10/2023
Reported:	02/13/2023		Sampling Type:	Soil
Project Name:	5248_A LINE LEAK		Sampling Condition:	Cool & Intact
Project Number:	NAPP2303463674		Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN			

Sample ID: HA - 11 @ 2' (H230655-15)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	02/13/2023	ND	2.09	105	2.00	0.137	
Toluene*	<0.050	0.050	02/13/2023	ND	2.07	103	2.00	0.973	
Ethylbenzene*	<0.050	0.050	02/13/2023	ND	2.03	101	2.00	0.570	
Total Xylenes*	<0.150	0.150	02/13/2023	ND	6.15	103	6.00	0.438	
Total BTEX	<0.300	0.300	02/13/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Chloride	208	16.0	02/13/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
GRO C6-C10*	<10.0	10.0	02/13/2023	ND	170	84.9	200	0.684	
DRO >C10-C28*	<10.0	10.0	02/13/2023	ND	175	87.6	200	2.92	
EXT DRO >C28-C36	<10.0	10.0	02/13/2023	ND					
Surrogate: 1-Chlorooctane	76.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	79.6	% 49.1-14	0						

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PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatscever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including whose shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including whose share there applied by the services arise of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

Company Name: Tasma	Tasman Geosciences Kyle Norman							P.O. 株	养		BIL	BILL TO									A	- 6
Project Manager: Kyle Norman	Norman							Company:	pan		asm	Tasman Geo			_			ne	115			_
Address: 2620 W. Marianu bivu.	ariand bivu. State: NM Zip: 88240	240						Attn	: Kyl	Attn: Kyle Norman	orma	5					_	nio	10			_
City: HODDS	Fax #:							Add	ress:	262	0 W.	Address: 2620 W. Marland			1		5	_	AI	_		н
10 H: 0/0-0000000								City	City: Hobbs	sqc				s	M	30	005	_	15/			US
Project #: nAPPZ3U34030/4	-							State	e: NN	Z	alt: 8	State: NM Zip: 88240		e	-	X	10	_	-	5	D	-
Project Name: 5248_A-Line Leak	t-Line Leak							Dha		5	5	8-5017		rid	-	E)	X	-	-	DS	L	-
Project Location:								Pho	ne #	51	5.0	Phone #: J/J-JIU-JUI		lor	-	вт	т		-	Т	HC	-
Sampler Name: Chris	Chris Flores						L	Fax #:	7			SAMPI ING	- ING	h	-	В	н	_	-		H	-
		<u>,</u>	Н	2	MATRIX	×]		PRE	PRESERV.		SAMP	UND	C	-		P	_	ete			4.1
Lab I.D.	Sample I.D.	RAB OR (C)OMP	OUNDWATER	ASTEWATER	SÓIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :						т	Comple	Comple			24
720/25			_	-								DATE	TIME		t	T	t	+	\perp		$^{+}$	×
Conco	BG-1 @ 2'	G	-	+	×					×		2/10/23	930	×	t	T	t	+			t	× ,
J	BG-1 @ 4'	G	-	-	×					×		2/10/23	945	×	t	t	t	+			t	+
Ju	BG-2 @ 0-0.5	G	-	+	×					×		2/10/23	1000	×	t	T	t	╀			t	
2	BG-2 @ 2	G	-	+	×	1				×		2/10/23	1005	×	F	F	t	┝			t	. ,
10	BC-2 MIA TO M	G	-	+	×	1				×		2/10/23	1010	×		T	⊢	+			t	
~~		G	-	+	×	1	1	1		×		2/10/23	1030	×	T	t	+	+			t	
6	BC-3 @ 2	G	-	+	×	-	1			×		2/10/23	1035	×		F	┝	+			t	+
2	BG-3 @ 4	G	-	+	×	-	+			×		2/10/23	1040	×		t	┝	+			t	+
be	HA-9 @ 0-0.5	G	-	-	×	-				×		2/10/23	1130	×	+	. ×	+	+			$^{+}$	+
10	HA-9 @ 1'	G	-	H	×	Ê				×		2/10/23	1100	1	,	,	t	H	1			+
Relinquished By:	Date: 2/10/2023	Rece	Received By	BY:			6		3	2		1	Phone Result: Fax Result:		□ Yes	D, No	0 0	DD	Add'l Phone #: Add'l Fax #:	ax #:	77	
	Time 800 1							R			N.	X	REMARKS: email results: knorman@tasman-geo.com; bdennis@tasman-	esu	ts: kr	orm	lan(Dta	sma	an-	geo	.CO
Relinquished By:	Date: Time:	Rece	Received By:	By:				(`			/	geo.com; swweathers@dcpmidstream.com;	m; s	wwe	athe	rs@	dcf	mi	dsti	ear	n.c
Delivered By: (Circle One)		1	_	San	nple	Cond	Sample Condition Cool	Cool	1	ç	Ē	CHECKED BY:	alhyman@dcpmidstream.com, jiiyiilaii@dcpmidstream.com		dcpn	hidstream.com, jilylilail@uupiiliusi.com	rea	n.c	OTT		1110	C
Sampler - UPS - Bus - Other: (L				Intact	n ·				-		(Initials)	als)	noconí			2TFP	m	CON		Sm	alts	ğ

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(Circle One) - Bus - Other: 0 - 75 C. O. U 0.15 4 1/2	Date: Time:	Time CA					HA-11 @ 2'	-HA 11@1	HA-11 @ 0-0.5'	C	HA-10 @ 1'	HA-10 @ 0-0.5'	Sample I.D.		Chris Flores		8_A-Line Leak	03463674 Project Owner:	5017 Fax #:	State: NM		yle Norman	Tasman Geosciences
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alhyman@dcpmidstream.com; jhyman@dcpmidstream.cor casen@dcpmidstream.com; rasmalts@dcpmidstream.com	email results: knorman@tasman-geo.com; bdennis@tasman geo.com; swweathers@dcpmidstream.com;	Fax Result:					1230	1225	1220		1205	1200	TIME	SAMPLING		7			Ч				
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February 14, 2023

KYLE NORMAN TASMAN GEOSCIENCES

6899 PECOS ST. UNIT C

DENVER, CO 80221

RE: 5248_A LINE LEAK

Enclosed are the results of analyses for samples received by the laboratory on 02/13/23 15:28.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

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:	02/13/2023		Sampling Date:	02/13/2023
Reported:	02/14/2023		Sampling Type:	Soil
Project Name:	5248_A LINE LEAK		Sampling Condition:	Cool & Intact
Project Number:	NAPP2303463674		Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN			

Sample ID: HA - 12 @ 0-0.5' (H230669-01)

BTEX 8021B	mg/	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/13/2023	ND	2.09	105	2.00	0.952	
Toluene*	0.113	0.050	02/13/2023	ND	2.08	104	2.00	1.14	
Ethylbenzene*	0.134	0.050	02/13/2023	ND	2.05	102	2.00	1.26	
Total Xylenes*	0.439	0.150	02/13/2023	ND	6.16	103	6.00	1.36	
Total BTEX	0.685	0.300	02/13/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	02/14/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/14/2023	ND	200	100	200	1.11	
DRO >C10-C28*	<10.0	10.0	02/14/2023	ND	174	86.8	200	0.771	
EXT DRO >C28-C36	<10.0	10.0	02/14/2023	ND					
Surrogate: 1-Chlorooctane	103	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	112 9	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



		TASMAN GEOSCIENCES KYLE NORMAN 6899 PECOS ST. UNIT C DENVER CO, 80221 Fax To:		
Received:	02/13/2023		Sampling Date:	02/13/2023
Reported:	02/14/2023		Sampling Type:	Soil
Project Name:	5248_A LINE LEAK		Sampling Condition:	Cool & Intact
Project Number:	NAPP2303463674		Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN			

Sample ID: HA - 12 @ 0.5-1' (H230669-02)

BTEX 8021B	mg/	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/13/2023	ND	2.09	105	2.00	0.952	
Toluene*	<0.050	0.050	02/13/2023	ND	2.08	104	2.00	1.14	
Ethylbenzene*	<0.050	0.050	02/13/2023	ND	2.05	102	2.00	1.26	
Total Xylenes*	<0.150	0.150	02/13/2023	ND	6.16	103	6.00	1.36	
Total BTEX	<0.300	0.300	02/13/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	02/14/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/14/2023	ND	200	100	200	1.11	
DRO >C10-C28*	<10.0	10.0	02/14/2023	ND	174	86.8	200	0.771	
EXT DRO >C28-C36	<10.0	10.0	02/14/2023	ND					
Surrogate: 1-Chlorooctane	103 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	111 9	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		TASMAN GEOSCIENCES KYLE NORMAN 6899 PECOS ST. UNIT C DENVER CO, 80221 Fax To:		
Received:	02/13/2023		Sampling Date:	02/13/2023
Reported:	02/14/2023		Sampling Type:	Soil
Project Name:	5248_A LINE LEAK		Sampling Condition:	Cool & Intact
Project Number:	NAPP2303463674		Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN			

Sample ID: HA - 12 @ 1-2' (H230669-03)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/13/2023	ND	2.09	105	2.00	0.952	
Toluene*	<0.050	0.050	02/13/2023	ND	2.08	104	2.00	1.14	
Ethylbenzene*	<0.050	0.050	02/13/2023	ND	2.05	102	2.00	1.26	
Total Xylenes*	<0.150	0.150	02/13/2023	ND	6.16	103	6.00	1.36	
Total BTEX	<0.300	0.300	02/13/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	02/14/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/14/2023	ND	200	100	200	1.11	
DRO >C10-C28*	<10.0	10.0	02/14/2023	ND	174	86.8	200	0.771	
EXT DRO >C28-C36	<10.0	10.0	02/14/2023	ND					
Surrogate: 1-Chlorooctane	99.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		TASMAN GEOSCIENCES KYLE NORMAN 6899 PECOS ST. UNIT C DENVER CO, 80221 Fax To:		
Received:	02/13/2023		Sampling Date:	02/13/2023
Reported:	02/14/2023		Sampling Type:	Soil
Project Name:	5248_A LINE LEAK		Sampling Condition:	Cool & Intact
Project Number:	NAPP2303463674		Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN			

Sample ID: HA - 13 @ 4' (H230669-04)

BTEX 8021B	mg	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	53.0	5.00	02/14/2023	ND	2.09	105	2.00	0.952	
Toluene*	301	5.00	02/14/2023	ND	2.08	104	2.00	1.14	
Ethylbenzene*	132	5.00	02/14/2023	ND	2.05	102	2.00	1.26	
Total Xylenes*	271	15.0	02/14/2023	ND	6.16	103	6.00	1.36	
Total BTEX	757	30.0	02/14/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	110	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/14/2023	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	3340	10.0	02/14/2023	ND	200	100	200	1.11	
DRO >C10-C28*	122	10.0	02/14/2023	ND	174	86.8	200	0.771	
EXT DRO >C28-C36	<10.0	10.0	02/14/2023	ND					
Surrogate: 1-Chlorooctane	119	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.6	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		TASMAN GEOSCIENCES KYLE NORMAN 6899 PECOS ST. UNIT C DENVER CO, 80221 Fax To:		
Received:	02/13/2023		Sampling Date:	02/13/2023
Reported:	02/14/2023		Sampling Type:	Soil
Project Name:	5248_A LINE LEAK		Sampling Condition:	Cool & Intact
Project Number:	NAPP2303463674		Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN			

Sample ID: HA - 13 @ 7' (H230669-07)

BTEX 8021B	mg	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.371	0.050	02/13/2023	ND	2.09	105	2.00	0.952	
Toluene*	0.924	0.050	02/13/2023	ND	2.08	104	2.00	1.14	
Ethylbenzene*	0.181	0.050	02/13/2023	ND	2.05	102	2.00	1.26	
Total Xylenes*	0.315	0.150	02/13/2023	ND	6.16	103	6.00	1.36	
Total BTEX	1.79	0.300	02/13/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	02/14/2023	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/14/2023	ND	200	100	200	1.11	
DRO >C10-C28*	<10.0	10.0	02/14/2023	ND	174	86.8	200	0.771	
EXT DRO >C28-C36	<10.0	10.0	02/14/2023	ND					
Surrogate: 1-Chlorooctane	87.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.3	% 49.1-14	8						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



		TASMAN GEOSCIENCES KYLE NORMAN 6899 PECOS ST. UNIT C DENVER CO, 80221 Fax To:		
Received:	02/13/2023		Sampling Date:	02/13/2023
Reported:	02/14/2023		Sampling Type:	Soil
Project Name:	5248_A LINE LEAK		Sampling Condition:	Cool & Intact
Project Number:	NAPP2303463674		Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN			

Sample ID: HA - 14 @ 0-0.5' (H230669-08)

BTEX 8021B	mg	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	9.64	2.00	02/14/2023	ND	2.09	105	2.00	0.952	
Toluene*	324	2.00	02/14/2023	ND	2.08	104	2.00	1.14	
Ethylbenzene*	203	2.00	02/14/2023	ND	2.05	102	2.00	1.26	
Total Xylenes*	400	6.00	02/14/2023	ND	6.16	103	6.00	1.36	
Total BTEX	937	12.0	02/14/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	120	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/14/2023	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	7460	10.0	02/14/2023	ND	200	100	200	1.11	
DRO >C10-C28*	757	10.0	02/14/2023	ND	174	86.8	200	0.771	
EXT DRO >C28-C36	44.7	10.0	02/14/2023	ND					
Surrogate: 1-Chlorooctane	264	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	131	% 49.1-14	8						

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*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		TASMAN GEOSCIENCES KYLE NORMAN 6899 PECOS ST. UNIT C DENVER CO, 80221 Fax To:		
Received:	02/13/2023		Sampling Date:	02/13/2023
Reported:	02/14/2023		Sampling Type:	Soil
Project Name:	5248_A LINE LEAK		Sampling Condition:	Cool & Intact
Project Number:	NAPP2303463674		Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN			

Sample ID: HA - 14 @ 2' (H230669-10)

BTEX 8021B	mg	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.246	0.050	02/14/2023	ND	2.09	105	2.00	0.952	
Toluene*	4.27	0.050	02/14/2023	ND	2.08	104	2.00	1.14	
Ethylbenzene*	3.06	0.050	02/14/2023	ND	2.05	102	2.00	1.26	
Total Xylenes*	6.84	0.150	02/14/2023	ND	6.16	103	6.00	1.36	
Total BTEX	14.4	0.300	02/14/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	121	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	02/14/2023	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	58.6	10.0	02/14/2023	ND	200	100	200	1.11	
DRO >C10-C28*	34.0	10.0	02/14/2023	ND	174	86.8	200	0.771	
EXT DRO >C28-C36	<10.0	10.0	02/14/2023	ND					
Surrogate: 1-Chlorooctane	99.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	108	% 49.1-14	8						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
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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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager

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



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Released to Imaging: 2/24/2023 11:42:50 AM

Received by OCD: 2/24/2023 9:38:50 AM Form C-141 State of New Mexico

Oil Conservation Division

Remediation Plan Checklist: Each of the following items must be included in the plan.

Incident ID	nAPP2303463674
District RP	
Facility ID	
Application ID	

Remediation Plan

Detailed description of proposed remediation technique Scaled sitemap with GPS coordinates showing delineation points Estimated volume of material to be remediated Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required) Deferral Requests Only: Each of the following items must be confirmed as part of any request for deferral of remediation. Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction. Extents of contamination must be fully delineated. Contamination does not cause an imminent risk to human health, the environment, or groundwater. 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. Kyle Norman _____ Title: Regional Project Manager Printed Name: Signature: Date:2/24/2023 knorman@tasman-geo.com Telephone: ____ 575-318-5017 email: OCD Only Received by: <u>Robert Hamlet</u> Date: 2/24/2023 Approved X Approved with Attached Conditions of Approval Denied Deferral Approved Robert Hamlet Date: 2/24/2023 Signature:

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

CONDITIONS

Operator:		OGRID:	
[DCP OPERATING COMPANY, LP	36785	
	900 E. Layton Ave	Action Number:	
	Denver, CO 80237	190320	
		Action Type:	
		[C-141] Release Corrective Action (C-141)	
CONDITION	IS		
Created By	Condition		Condition
			Date

		Date
rhamlet	The Remediation Plan is Conditionally Approved. This release is in a high karst area and will need to be remediated to the strictest closure criteria of <50' depth to groundwater from Table 1 of the spill rule. The 3 Background samples should be averaged at respective depths to be used for closure criteria. Samples must be analyzed for all constituents listed in Table I of 19.15.29.12 NMAC. Due to shallow groundwater and high karst, 500 ft2 confirmation samples are denied. Sidewall samples should be delineated/excavated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release. The overspray area will also need to be sampled and delineated. All off pad areas must contain a minimum of 4 feet non-waste containing uncontaminated, earthen material with chloride concentrations less than 600 mg/kg and less than 100 mg/kg for TPH. The work will need to occur in 90 days after the work plan has been approved.	2/24/2023

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Action 190320