Form Page 3

Received by OCD: 2/13/2023 7:53:25 that of New Mexico
Oil Conservation Division

Incident ID	nOY17066314Page 1 of 64
District RP	
Facility ID	
Application ID	

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?	(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 ver contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.	tical extents of soil
Characterization Report Checklist: Each of the following items must be included in the report.	1
 Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring well Field data Data table of soil contaminant concentration data Depth to water determination Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release 	ls.
Depth to water determination Determination of water sources and significant watercourses within ½-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 gustady.	
☐ 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.

Form C-14 by OCD: 2/13/2023 7:53:21544 of New Mexico
Page 4 Oil Conservation Division

Incident ID nOY1706631 Page 2 of 64
District RP
Facility ID
Application ID

I hereby certify that the information given above is true and complete to the regulations all operators are required to report and/or file certain release notice public health or the environment. The acceptance of a C-141 report by the Called to adequately investigate and remediate contamination that pose a three addition, OCD acceptance of a C-141 report does not relieve the operator of and/or regulations.	CD does not relieve the operator of liability should their operations have at to groundwater, surface water, human health or the environment. In
Printed Name: James Smith	Title: HSE/Regulatory Supervisor
Signature:	Date: 2/13/23
email: JSmith@foundationenergy.com	Telephone: 972-707-2695
OCD Only	
Received by:	Date:

5:21	AMILE	OI NE	W IVI	CXICO	
O	il Con	servat	ion I	Divisi	on

Incident ID	noy 1706 Base 3 of 64
District RP	
Facility ID	
Application ID	

Remediation Plan

Remediation Plan Checklist: Each of the following items must be	pe included in the plan.
 ☑ Detailed description of proposed remediation technique ☑ Scaled sitemap with GPS coordinates showing delineation poir ☑ Estimated volume of material to be remediated ☑ Closure criteria is to Table 1 specifications subject to 19.15.29 ☑ Proposed schedule for remediation (note if remediation plan tires) 	12(C)(4) NMAC
Deferral Requests Only: Each of the following items must be co	nfirmed as part of any request for deferral of remediation.
Contamination must be in areas immediately under or around p deconstruction.	production equipment where remediation could cause a major facility
Extents of contamination must be fully delineated.	
Contamination does not cause an imminent risk to human healt	h, the environment, or groundwater.
	e and remediate contamination that pose a threat to groundwater, acceptance of a C-141 report does not relieve the operator of
Printed Name: James Smith	Title: HSE-Regulatory Superviso
Signature:	Date: 2/13/2023
email: jsmith@formationenergy.com	Telephone: 972-707-2595
10	
OCD Only	
Received by:Jocelyn Harimon	Date:02/13/2023
Approved With Attached Conditions of	Approval
Signature: Hall	Date: _2/13/2023

Conditions of approval:

1. Confirmation samples must be representative of no more than 400 square feet.

CHALUPA #4 SWD – NORTH RELEASE AREA

Remediation Action Plan

NMOCD Incident No. nOY1706631442 UL "L", Sec. 13, T14S, R33E 33.103422°, -103.576112° Lea County, New Mexico

January 30, 2023



PREPARED ON BEHALF OF

Foundation Energy Management 1801 Broadway Suite 1500 Denver, CO 80202



PREPARED BY

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





January 30, 2023

Foundation Energy Management, LLC 1801 Broadway, Suite 1500 Denver, Colorado 80202

Attn: Mr. James Smith

Email: jsmith@foundationenergy.com

Re: Remediation Action Plan

Chalupa SWD #4 - North Release Area

UL "L", Section 13, Township 14 South, Range 33 East

Lea County, New Mexico

NMOCD Incident No. nOY1706631442

Tasman Project No. 4951

Dear Mr. Smith,

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 produced water to the environment.

Tasman appreciates the opportunity to provide environmental services to Foundation Energy Management. 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
knorman@tasman-geo.com

TABLE OF CONTENTS

1.0 IN	TRODUCTION	1
1.1	1 Site Description	1
	2 Site History	
	ONFIRMATION SOIL SAMPLING	
2.1	1 Soil Sampling Procedures for Laboratory Analysis	3
	2 Soil Analytical Methods	
2.3	3 Confirmation Sampling Data Evaluation	3
3.0 AD	DDITIONAL ASSESSMENT	3
3.1	1 Delineation Data Evaluation	4
4.0 PR	ROPOSED ACTION PLAN	4
4.1	1 Delineation Data Evaluation	4
4.2	2 Reclamation and Revegetation	5
	QUEST FOR CLOSURE	

Figures

Figure 1 – Site Location Map

Figure 2 – Site Overview Map

Tables

Table 1 – Confirmation Soil Analytical Summary – TPH, BTEX, and Chlorides

Table 2 – Delineation Soil Analytical Summary – Chlorides

Appendix A – Initial Form C-141 and NMOCD Notifications

Appendix B – Photographic Log

Appendix C - Certified Laboratory Analytical Reports



1.0 INTRODUCTION

Tasman, Inc. (Tasman) is pleased to submit this Remediation Action Plan for the Chalupa #4 SWD – North Release Area (Site) on behalf of Foundation Energy Management, LLC (FEM), 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 Lea County, New Mexico in Unit Letter "L", Section 13, Township 14 South, Range 33 East and the approximate coordinates are 33.103422, -103.576112 (Figure 1). The Site is located approximately 0.3 miles south of State Highway 108 (Anderson Road) in a rural area on New Mexico State Trust Lands administered by the New Mexico State Land Office (NMSLO) and leased to Norman and Elwanda Hahn Ranches, LTD for agriculture use. The nearest town of Lovington, New Mexico is located approximately 16 miles southeast of the Site.

1.2 Site History

On March 2, 2017, FEM discovered a release of produced water at the Site from a leak that developed in the pipeline connecting FEM's tank battery to the Chalupa #4 injection well. The release occurred at the Site as displayed on Figure 2, which is approximately 600-feet south of the tank battery location. Approximately 25 barrels (bbls) of saltwater were released to the ground surface and approximately 15 bbls were recovered.

On March 6, 2017, FEM submitted a Release Notification Corrective Action Form C-141 to the NMOCD for the release and the NMOCD established a maximum permissible chloride concentration in soil of 600 milligrams per kilogram (mg/kg). A copy of the form C-141 is attached as Appendix A. On behalf of FEM, Enviro Clean Cardinal, LLC (ECC) performed initial Site investigation activities which included a walkover survey using an EM-38 electrical conductivity (EC) meter and soil boring activities to delineate the horizontal and vertical extents of chloride impacts. As presented in the Release Characterization Report that was submitted to the NMOCD on February 16, 2018, the lateral extent of chloride impacts at the Site covered approximately 1.76 acres and a depth of 9 to 14 feet below ground surface (bgs).

Subsequent to the initial response and investigation activities described above, FEM retained Tasman to conduct additional Site assessment, remediation, and reclamation activities at the Site within the root zone between the surface and 4 feet bgs as described in the Remediation Work



Plan, which was approved by the NMOCD on June 6, 2018, and by the NMSLO on June 8, 2018.

Between May 8 and 19, 2019, chloride impacted soil excavation activities were initiated within the release area between the surface and approximately 4 feet bgs. Approximately 9,013 cubic yards (yd³) of chloride impacted soil were transported under waste manifest procedures to an NMOCD approved disposal facility (Gandy Marley Inc.) located near Caprock, New Mexico. On May 22, 2019, prior to backfilling activities, a 20-millimeter thick linear low-density polyethylene (LLDPE) sealed liner manufactured by Raven Industries, Inc. was installed at the base of the excavation area. On May 23, 2019, approximately 7,538 yd³ of sand were backfilled in the excavation to a depth of 18 inches bgs and approximately 2,897 yd³ of clean topsoil were backfilled and compacted within the disturbed area to match the previous grade. Imported fill material, including sand and topsoil, was sourced from Gandy Marley, Inc., located in Lea County, New Mexico.

On June 6, 2019, the NMSLO approved an amended seed mixture to be used at the Site and on September 11, 2019, prior to heavy precipitation events that were forecasted for the area, reseeding activities were performed at the Site using a tractor with a drop seed tiller. During a Site visit on October 8, 2019, to observe vegetation re-growth at the Site, Tasman personnel observed sprouted seedlings throughout the disturbed area indicating that the re-seeding effort has successfully propagated vegetation at the Site.

On December 23, 2019, FEM submitted a *Remediation and Reclamation Summary Report*, dated October 29, 2019, to the NMOCD summarizing remedial efforts at the Site.

On October 19, 2022, the NMOCD provided email notification to FEM indicating that the submitted Report was rejected and additional confirmation sampling was required for Site closure.

2.0 CONFIRMATION SOIL SAMPLING

On November 11, 2022, Tasman mobilized to the Site to collect confirmation soil samples in accordance with NMOCD email correspondence, dated October 31, 2022. Thirty (30) soil borings were advanced using a hand auger along the perimeter of the former excavation area. Soil samples were collected continuously to a depth of approximately 4 feet bgs. Composite soil samples were collected from each boring across a total area of 200 square feet. Additionally, four discrete soil samples were collected from the backfill material of the former excavation at a depth of 3.5 feet bgs. Samples were collected above the liner to prevent damage to the existing liner.



Sample locations are illustrated on Figure 2 and a photographic log is provided in Appendix B.

2.1 **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.

2.2 **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.

2.3 **Confirmation Sampling Data Evaluation**

BTEX and TPH were not detected above laboratory sample detection limits (SDLs) in the soil samples submitted for analysis.

Concentrations of chlorides were detected above the NMOCD Action level of 600 milligrams per kilogram (mg/kg) in nine of the 30 confirmation wall samples. Samples exceeding the NMOCD Action level include CS-3 (1,300 mg/kg), CS-5 (832 mg/kg), CS-7 (1,120 mg/kg), CS-8 (656 mg/kg), CS-11 (688 mg/kg), CS-16 (848 mg/kg), CS-17 (76 mg/kg), CS-22 (1,840 mg/kg), and CS-23 (784 mg/kg). Each of the samples collected from within the backfill material were below the NMOCD Action Level.

Soil analytical data is summarized in Table 1 and laboratory reports are provided in Appendix C.

3.0 **ADDITIONAL ASSESSMENT**

On December 27 and 28, 2022, Tasman mobilized to the Site to further delineate remaining



chlorides impacts in the area of exceedances observed during the November 2022 confirmation sampling event. A total of 20 soil borings (HA-1 through HA-15, BG-1) were advanced using a hand auger to a depth of 4 feet bgs or geologic refusal. Sample locations are illustrated on Figure 2.

3.1 **Delineation Data Evaluation**

Horizontal and vertical delineation of chlorides greater than NMOCD criteria was achieved in all boring locations, with the following exceptions:

- Boring locations HA-1 (8,960 mg/kg) and HA-1A (960 mg/kg) were not vertically delineated due to reaching geologic refusal with the hand auger at 0.5 feet bgs.
- Boring locations HA-11 and HA-11A did not achieve vertical or horizontal delineation. Concentrations of chlorides were detected at 1,120 mg/kg and 1,310 mg/kg, respectively to geologic refusal with the hand auger at approximately 3 feet bgs.

Soil analytical data is summarized in Table 1 and laboratory reports are provided in Appendix C.

PROPOSED ACTION PLAN 4.0

Based on Site characterization data collected to date, as well as the directives provided by NMOCD, Tasman has developed the following proposed action plan. It is recommended that this action plan is presented to NMOCD prior to field mobilization to confirm that the proposed approach is sufficient and acceptable to achieve Site closure.

4.1 **Delineation Data Evaluation**

Tasman proposes to perform additional characterization of the areas that horizontal delineation was not achieved during the November and December 2022 assessment events. Due to challenging geologic conditions, delineation will be conducted by advancing vertical trenches using mechanical equipment. The extent of remaining chloride impacts will be estimated using real-time chloride screening data, collected using a field titration kit.

Once the approximate extent of remaining horizontal impacts is determined, Tasman will excavate the remaining chloride impacted soils to a depth of no greater than 4 feet bgs. If vertical delineation results indicate that chloride concentrations exceed NMOCD Action Levels at a depth of greater than 4 feet bgs, a 20-millimeter thick LLDPE sealed liner will be installed at the base of the excavation to inhibit the leachability of chlorides to groundwater. To the extent practical, the new liner will be attached to



the existing liner installed in 2019.

Once the delineated area has been remediated Tasman will collect 5-point composite soil samples of the sidewalls not to represent more than 500 square feet. If extension of the existing liner is not warranted, 5-point composite samples will also be collected from the base of the excavation and not represent more than 500 square feet. Soil samples will be collected and submitted for laboratory analysis for chlorides only by EPA Method SM4500 following the sampling procedures in Section 2.

4.2 Reclamation and Revegetation

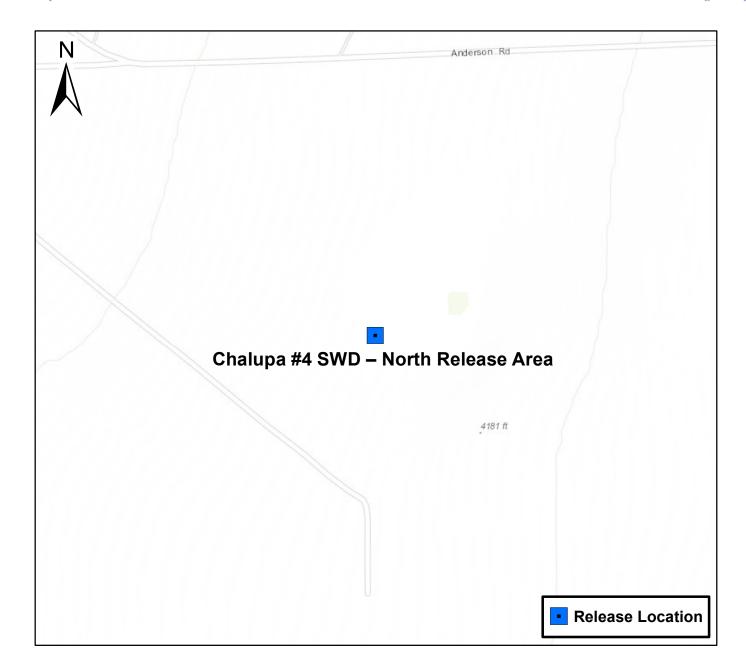
Once analytical data indicates that remediation objectives have been met, the excavation area and any additional areas affected by the release will be restored to the condition which existed prior to disturbance to the maximum extent practical. The excavation will be backfilled with clean import material. Import material will be sampled prior to backfilling to confirm the absence of organic and inorganic impacts. The Site will be regraded to achieve erosion control, stability, and preservation of surface water flow to the extent practicable.

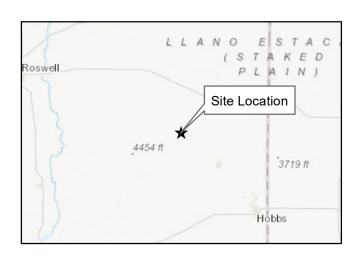
The NMSLO (surface owner) will be consulted for their preference in native seed mix. Upon NMSLO approval the area will be seeded using the approved seed mixture during the next favorable growing season. The seed mix will be broadcast at a rate two times the suggested amount to ensure the greatest likelihood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

5.0 REQUEST FOR CLOSURE

Upon completion of remediation and sampling activities, a final summary report will be prepared and submitted to NMOCD requesting Site closure.

FIGURES





0 750 1,500 Feet

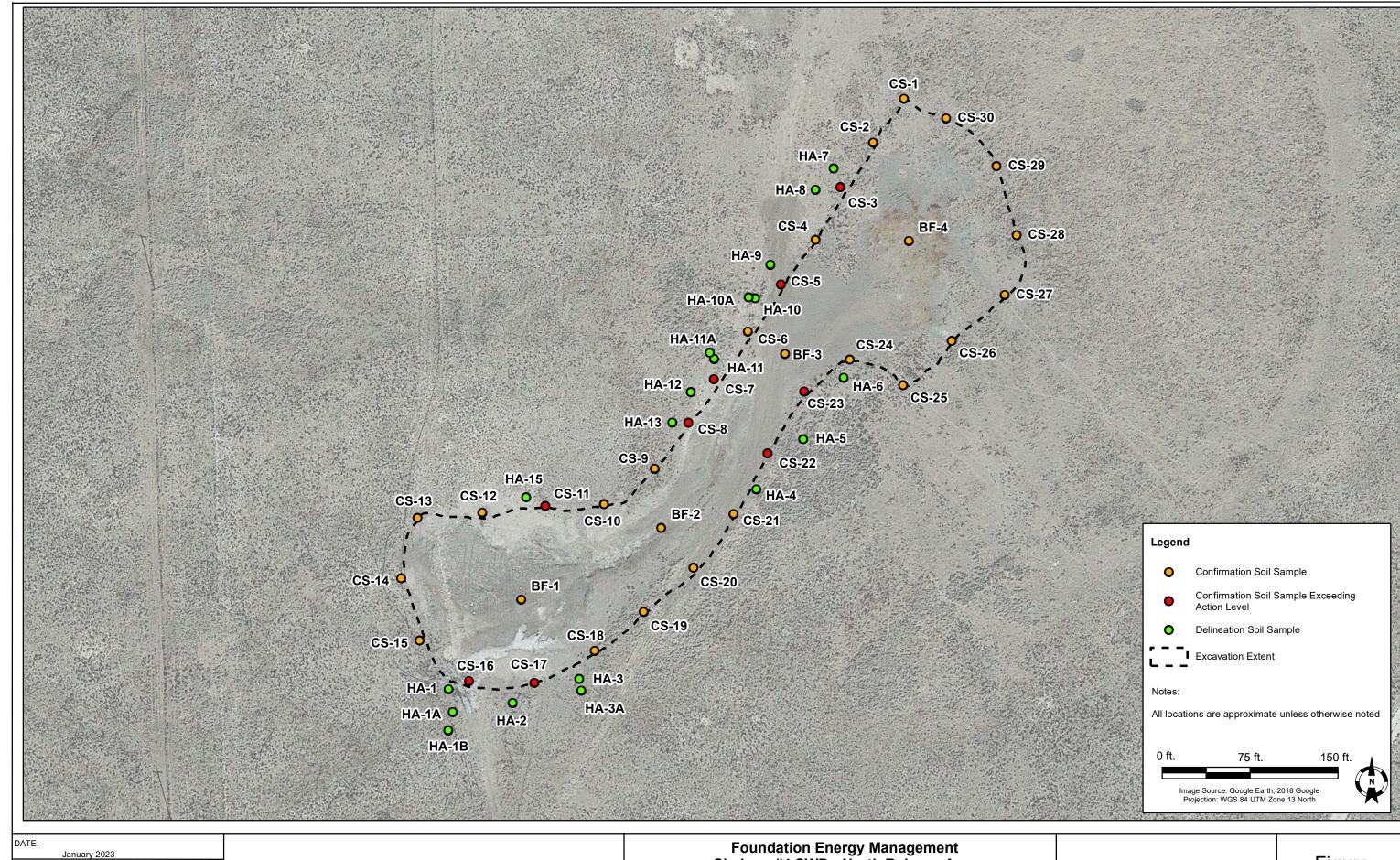
Figure 1

Site Location Map
Chalupa #4 SWD – North Release Area
UL "L", S13, T14S, R33E
Lea County, New Mexico



Drawn By: LR Date: 1/26/2023

Page 14 of 64 Received by OCD: 2/13/2023 7:53:21 AM



DESIGNED BY: B. Dennis DRAWN BY: Released to Imaging: 2/13/2023 2:51:59 PM



Foundation Energy Management Chalupa #4 SWD - North Release Area

UL "L", Section 13, Township 14 South, Range 33 East Lea County, New Mexico

Site Overview Map

Figure

TABLES

Received by OCD: 2/13/2023 7:53:21 AM Page 16 of 64

TABLE 1 **CONFIRMATION SOIL ANALYTICAL SUMMARY - TPH, BTEX, AND CHLORIDES** Foundation Energy Management, LLC Chalupa #4 SWD - North Release Area

Comple ID	Sample	Cample Date	Soil	PID	Field Chloride	Benzene	Total BTEX ¹		TPH ² (mg/kg)		Chrloride
Sample ID	Depth (bgs)	Sample Date	Status	(ppm)	(mg/kg)	(mg/kg)	(mg/kg)	GRO	DRO	MRO	TOTAL	(mg/kg)
					Wa	all Confirmation	Soil Samples					
CS - 1		11/21/2022	In-Situ			<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
CS - 2		11/21/2022	In-Situ									32.0
CS - 3		11/21/2022	In-Situ									1,300
CS - 4		11/21/2022	In-Situ			<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
CS - 5		11/21/2022	In-Situ									832
CS - 6		11/21/2022	In-Situ									336
CS - 7		11/21/2022	In-Situ			<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	1,120
CS - 8		11/21/2022	In-Situ									656
CS - 9		11/21/2022	In-Situ									160
CS - 10		11/21/2022	In-Situ			<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	368
CS - 11		11/21/2022	In-Situ									688
CS - 12		11/21/2022	In-Situ									32.0
CS - 13		11/21/2022	In-Situ			<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	64.0
CS - 14		11/21/2022	In-Situ									32.0
CS - 15		11/21/2022	In-Situ									224
CS - 16		11/21/2022	In-Situ			<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	848
CS - 17		11/21/2022	In-Situ									976
CS - 18		11/21/2022	In-Situ									320
CS - 19		11/21/2022	In-Situ			<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
CS - 20		11/21/2022	In-Situ									288
CS - 21		11/21/2022	In-Situ									464
CS - 22		11/21/2022	In-Situ			<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	1,840
CS - 23		11/21/2022	In-Situ									784
CS - 24		11/21/2022	In-Situ									560
CS - 25		11/21/2022	In-Situ			<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
CS - 26		11/21/2022	In-Situ									16.0
CS - 27		11/21/2022	In-Situ									32.0
CS - 28		11/21/2022	In-Situ			<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
CS - 29		11/21/2022	In-Situ									48.0
CS - 30		11/21/2022	In-Situ									16.0
		,,,				Backfill Soil S	amples					
BF - 1	3.5'	11/21/2022	In-Situ			<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
BF - 2	3'	11/21/2022	In-Situ			<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	384
BF - 3	3.5'	11/21/2022	In-Situ			<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	400
BF - 4	3.5'	11/21/2022	In-Situ			<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	96.0
UI - 4	3.5	11/21/2022	III-Situ			₹0.050	₹0.500	\10.0	\10.0	\10.0	\10.0	50.0
	NMOCD A	ction Levels ⁴		N/A	N/A	10	50		N/A		100	600

- 1. BTEX = Benzene, toluene, ethylbenzene, and total xylenes by EPA method 8021B
- 2. TPH = Total petroleum hydrocarbons analyzed by method EPA 8015M (GRO/DRO/MRO)
- 3. Chloride Analyzed by EPA method SM4500
- 4. New Mexico Oil Conservation Division (NMOCD) Remediation and Delineation Standards (NMAC 19.15.29.12(N))
- * = Denotes discrete/grab sample. All other samples are five-point composites

N/A = Not applicable

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

MRO = Motor/lube oil range organics

PID = Photoionization detector

--- = Sample was not analyzed for this analyte

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

TABLE 2 **DELINEATION SOIL ANALYTICAL SUMMARY - CHLORIDES** Foundation Energy Management, LLC Chalupa SWD #4 - North Release Area

Sample ID	Sample	Sample Date	Soil	Field Chloride	Chrloride ¹
	Depth (bgs)				(mg/kg)
		1			
HA-1					8,960
HA-1A					960
HA-1B		12/2//2022			16.0
HA-2		12/27/2022			
		confirmation Wall Soil Samples 0-0.5 12/27/2022 In-Situ 7,186 0-0.5 12/27/2022 In-Situ 1,030 0-0.5 12/27/2022 In-Situ 60 0-0.5 1.0.5itu 12.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.	624		
HA-3			100		
_					
HA-3A		12/27/2022			272
	0-0.5		In-Situ	60	
HA-4	0.5-1	12/27/2022	In-Situ	Status (mg/kg) (mg/kg) Soil Samples In-Situ 7,186 8, In-Situ 1,030 9 In-Situ 1,030 9 In-Situ 122 In-Situ 122 In-Situ 122 In-Situ 1 In-Situ 1 In-Situ 1 In-Situ 1 In-Situ 1 In-Situ 2 In-Situ 1 In-Situ 2 In-Situ 1 In-Situ 6 In-Situ 6 <td< td=""><td>80.0</td></td<>	80.0
	1-2		In-Situ	90	
	0-0.5		In-Situ	65	-
HA-5	0.5-1	12/27/2022	In-Situ	58	112
na-s	1-2	12/2//2022	In-Situ	88	
	2-3		In-Situ	59	
					48.0
HA-6		12/27/2022			
114.7		12/27/2022			
HA-7		12/2//2022			32.0
HA-8		12/27/2022			22.0
na-o					32.0
					32.0
HA-9		12/27/2022			
	0-0.5			61	
				61	
HA-10	1-2	12/27/2022	In-Situ	1,664	1,600
	2-3		In-Situ	1,601	
	3-4		In-Situ	369	224
	0-0.5		In-Situ	60	224
HA-10A		12/28/2022	In-Situ	145	
		, , ,			
HA-11		12/27/2022			4
					1,150
					1,120
HA-11A		12/28/2022			1,570
		12/27/2022 In-S			1,310
HA-12		12/27/2022			
		. ,			480
HA-13		12/27/2022			
		1			160
UA 14		12/27/2022			32.0
HA-14		12/2//2022		61	1
HA-15	0-0.5	12/27/2022	In-Situ	61	176
נוייוו	0.5-1	14/4//4044	In-Situ	242	
BG-1	0-0.5	12/27/2022	In-Situ	60	
	NMOCD 44	tion Levels ²		N/A	600
Notes:	- NIVIOCD AC	don Levels -		- N/A	

Notes:

1. Chloride - Analyzed by EPA method 300

2. New Mexico

nil
* = Denotes discrete/grab sample. All other samples are five-point composites

N/A = Not applicable

--- = Sample was not analyzed for this analyte

Bold values denote concentrations above laboratory SDL Red values denote concentrations above NMOCD Action Levels APPENDIX A – INITIAL FORM C-141 AND NMOCD NOTIFICATIONS

<u>District I</u> 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

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

Form C-141 Revised August 8, 2011 Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

			Ken	ease monnic	auo	OPERA		CHOII		al Report	
Name of Co	mnanyFou	Indation Energy N	/anagement	IIC		Contact Rach			mua	al Report Final Repor	
Name of Company Foundation Energy Management, LLC Address 16000 Dallas Parkway, Suite 875						Telephone No. 918-526-5592					
Facility Name Chalupa SWD							e Salt water disposa	al well			
Surface Owner Mineral Owner						7 71			LADIAL		
Surface Ow	ner			Mineral O	wner			T.	API No	. 30-025-29184	
Tr.					N OF RE						
Unit Letter	Section	Township	Range	Feet from the	North	/South Line	Feet from the	5-0000000000000000000000000000000000000	Vest Line	County	
	13	14S	33E	330	Sou	uth	330	We	st	Lea	
5 = 1 ₀ 6	Latitude 33.0982437 Longitude -103.5753937										
				NAT	URE	OF REL	EASE				
Type of Rele	ase Saltwater						Release 25 bbls			Lecovered 15 bbls	
Source of Re							Hour of Occurrence	ce	Date and l	Hour of Discovery 3/2/2017, 2:30pm	
Was Immedi	ate Notice (5 7 9 8 8 <u></u>	Yes 🔳	No Not Rea	quired	If YES, To	Whom?				
By Whom?						Date and H	Iour				
Was a Water	course Read		Yes 🔳] No		If YES, Vo	olume Impacting	the Wate	ercourse.	IA a	
If a Watercou	ırse was Im	pacted, Descr	ibe Fully.	*		0=6=					
	,		•	NA		RECE	IVED				
						By Oliv	ria Yu at 8	3:47	am. Ma	ar 07, 2017	
			29							67, 2677	
Describe Cau	ise of Probl	em and Reme	dial Actio	n Taken.* Pumr	er in	stalled re	pair clamp t	to fix I	eak unti	I line can be	
4							ruck picked				
				Торіас	ooa.	• GGGGIII (a dict promod	ор . ·	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
Describe Are	a Affected	and Cleanup	Action Tal	cen.*							
Bosonio inc	a i i i i o o o o o	and Ordanap i	1011011 141	Schedulii	_					aired, remaining	
				flowline v	will b	e pressur	e tested to	ensure	e no futu	ure leaks.	
										uant to NMOCD rules and	
regulations a	ll operators	are required t	o report ai	nd/or file certain re	elease r	notifications a	nd perform correc	ctive acti	ons for rele	eases which may endanger	
public health	or the envi	ronment. The	acceptant	ce of a C-141 repor	rt by th	ie NMOCD m te contaminati	arked as "Final K	ceport" d	oes not reli	eve the operator of liability , surface water, human health	
or the enviro	nment. In a	iddition, NMC	OCD accer	tance of a C-141 r	eport c	loes not reliev	e the operator of	responsi	bility for co	ompliance with any other	
		ws and/or regu						.790			
	NI V	1					OIL CON	SERV	ATION	DIVISION	
Signature:	KIN	11							,0		
Printed Name	Rache	ol Grant				Approved by	Environmental S	Specialist	::		
			Market Parising States Communication		+		3/7/2017				
Title: HSE	/Regula	atory Ma	nager			Approval Da	te: 3/1/2017		Expiration I	Date:	
E-mail Addre	ess: regul	atory@fo	oundat	ionenergy.c	om	Conditions of	f Approval:			Attached	
Date: 3	6/17		Phone	918-526-55	592	see	attached di	irectiv	е	Tataonoa Li	

* Attach Additional Sheets If Necessary

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ABBENDIX B – PHOTOGRAPHIC LOG

Foundation Energy Management

Chalupa SWD #4 - North Release Area





Foundation Energy Management

Chalupa SWD #4 - North Release Area





APPENDIX C – CERTIFIED LABORATORY ANALYTICAL REPORTS



December 30, 2022

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

RE: 4951_CHALUPA NORTH

Enclosed are the results of analyses for samples received by the laboratory on 12/29/22 14:32.

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)

Celey D. Keene

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. Keene

Lab Director/Quality Manager



Analytical Results For:

TASMAN GEOSCIENCES KYLE NORMAN 6899 PECOS ST. UNIT C **DENVER CO, 80221**

Fax To:

Received: 12/29/2022 Reported: 12/30/2022

Project Name: 4951_CHALUPA NORTH

Project Number: 4951

Project Location: FOUNDATION ENERGY Sampling Date: 12/27/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By:

Shalyn Rodriguez

Sample ID: HA - 1 (0-0.5) (H226105-01)

Chloride, SM4500CI-B	mg	/kg	Analyze	Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8960	16.0	12/30/2022	ND	416	104	400	0.00	
Sample ID: HA - 1A (0-0.	5) (H226105-0	02)							
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	960	16.0	12/30/2022	ND	416	104	400	0.00	
Sample ID: HA - 1B (0-0.	5) (H226105-0	03)							
Chloride, SM4500Cl-B	mg	-	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	12/30/2022	ND	416	104	400	0.00	
Sample ID: HA - 3 (0-0.5) (H226105-0 ⁴	1)							
Chloride, SM4500Cl-B	mg	/kg	Analyze	Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	624	16.0	12/30/2022	ND	416	104	400	0.00	

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Celey D. Keene



Analytical Results For:

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

Received: 12/29/2022 Reported: 12/30/2022

Project Name: 4951_CHALUPA NORTH

Project Number: 4951

Project Location: FOUNDATION ENERGY Sampling Date: 12/27/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By:

Shalyn Rodriguez

Sample ID: HA - 3 (0.5-1) (H226105-05)

Chloride, SM4500CI-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1100	16.0	12/30/2022	ND	416	104	400	0.00	
Sample ID: HA - 3A (0.5-	1) (H226105-(06)							
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	12/30/2022	ND	416	104	400	0.00	
Sample ID: HA - 4 (0.5-1)) (H226105-0	7)							
Chloride, SM4500Cl-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	12/30/2022	ND	416	104	400	0.00	
Sample ID: HA - 5 (0.5-1)) (H226105-08	3)							
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	12/30/2022	ND	416	104	400	0.00	
Sample ID: HA - 6 (0.5-1)) (H226105-09	9)							
Chloride, SM4500CI-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier

Cardinal Laboratories

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12/30/2022

Celey D. Keine

Chloride

Celey D. Keene, Lab Director/Quality Manager

48.0

400

0.00

*=Accredited Analyte



Analytical Results For:

TASMAN GEOSCIENCES KYLE NORMAN 6899 PECOS ST. UNIT C **DENVER CO, 80221**

Fax To:

Received: 12/29/2022 Reported: 12/30/2022

Project Name: 4951_CHALUPA NORTH

Project Number: 4951

Project Location: FOUNDATION ENERGY Sampling Date: 12/28/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By:

Shalyn Rodriguez

Sample ID: HA - 7 (0.5-1) (H226105-10)

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	12/30/2022	ND	416	104	400	0.00	
Sample ID: HA - 8 (0.5-1)	(H226105-11	.)							
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
				ND	416	104	400	0.00	
Chloride Sample ID: HA - 9 (0.5-1)	_	-	12/30/2022	ND	110	101	100	0.00	
		2)		d By: AC	110	101	100	0.00	
Sample ID: HA - 9 (0.5-1) Chloride, SM4500Cl-B Analyte	(H226105-12 mg , Result	kg Reporting Limit	Analyze Analyzed	d By: AC Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Sample ID: HA - 9 (0.5-1) Chloride, SM4500CI-B Analyte Chloride	(H226105-12 mg/ Result 32.0	Reporting Limit	Analyze	d By: AC					Qualifier
Sample ID: HA - 9 (0.5-1) Chloride, SM4500Cl-B Analyte Chloride Sample ID: HA - 10 (1-2)	Result 32.0	Reporting Limit	Analyzed 12/30/2022	d By: AC Method Blank ND	BS	% Recovery	True Value QC	RPD	Qualifier
Sample ID: HA - 9 (0.5-1) Chloride, SM4500Cl-B Analyte Chloride Sample ID: HA - 10 (1-2)	(H226105-12 mg/ Result 32.0	Reporting Limit	Analyzed 12/30/2022	d By: AC Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Sample ID: HA - 9 (0.5-1) Chloride, SM4500Cl-B Analyte Chloride	Result 32.0	Reporting Limit	Analyzed 12/30/2022	d By: AC Method Blank ND	BS	% Recovery	True Value QC	RPD	Qualifier

Sample ID: HA - 10 (3-4) (H226105-14)

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	12/30/2022	ND	416	104	400	3.77	

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Analytical Results For:

TASMAN GEOSCIENCES KYLE NORMAN 6899 PECOS ST. UNIT C **DENVER CO, 80221**

Fax To:

Received: 12/29/2022 Reported: 12/30/2022

Project Name: 4951_CHALUPA NORTH

Project Number: 4951

Project Location: FOUNDATION ENERGY Sampling Date: 12/29/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By:

Shalyn Rodriguez

Sample ID: HA - 10A (0.5-1) (H226105-15)

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	12/30/2022	ND	416	104	400	3.77	
Sample ID: HA - 11 (1-2)	(H226105-16)							
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1150	16.0	12/30/2022	ND	416	104	400	3.77	
Sample ID: HA - 11 (2-3)	(H226105-17)							
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1120	16.0	12/30/2022	ND	416	104	400	3.77	
Sample ID: HA - 11A (1-2) (H226105-1	8)							
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1570	16.0	12/30/2022	ND	416	104	400	3.77	
Sample ID: HA - 11A (2-3) (H226105-1	9)							
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1310	16.0	12/30/2022	ND	416	104	400	3.77	

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Celey D. Keene



Analytical Results For:

TASMAN GEOSCIENCES KYLE NORMAN 6899 PECOS ST. UNIT C **DENVER CO, 80221**

Fax To:

Received: 12/29/2022 Reported:

12/30/2022 4951_CHALUPA NORTH

Project Name: Project Number: 4951

Project Location: FOUNDATION ENERGY Sampling Date: 12/28/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By:

Shalyn Rodriguez

Sample ID: HA - 12 (1-2) (H226105-20)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	12/30/2022	ND	416	104	400	3.77	
Sample ID: HA - 13 (1-2)) (H226105-21)							
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	12/30/2022	ND	416	104	400	3.77	
Sample ID: HA - 14 (0.5-	1) (H226105-2	22)							
Chloride, SM4500CI-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	12/30/2022	ND	416	104	400	3.77	
Sample ID: HA - 15 (0.5-	1) (H226105-2	23)							
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	12/30/2022	ND	416	104	400	3.77	

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Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

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

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Celeg D. Freene

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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5	HA-3A (0.5-1)	G 1		×					×	13/2	22	0269212181	×	+	+	+	+	+	+		
4	HA-4 (0.5-1)	G 1		×					×	12121	-	1240	+	+	+	+	+	+	+	-	
9	HA-5 (0.5-1)	G 1		×					×	12/28	121	1253	×	+	+	+	+	+	+	1	< >
20	HA-6 (0.5-1)	G 1		×					×	12/2	클	1312	×	-	+	+	+	+	+		× >
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PLEASE NOTE: Liability and Date days after completion of the applic	bxclusive remedy for any claim al be liable for incidental or con rvices hereunder by Cardinal, r	arising whether based in sequental damages, inclu egardless of whether suc	ed in contract or tort, shall be limited to the amount paid by the client for th including without limitation, business interruptions, loss of use, or loss of ir such claim is based upon any of the above stated reasons or otherwise.	r tort, shall sut limitation based upo	shall be limited to the amount paid by the onliation, business interruptions, loss of use, and upon any of the above stated reasons or	d to the ess inter the above	uptions, e stated	loss of reason	use, or s or othe	f profits	curred by	jses. All claims incoming involves incurred by client, its subsidiaries	aries								1
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† Cardinal ca	Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476	ten chan	ges to	505-3	93-24	76			- 1					7. I							

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Ta	Tasman Geosciences				- 1	- 1		\neg	- 1	- 1	В	BILL TO						ANALYSIS REQUEST	YSI	SRE	QUE	ST
	vla Norman							P.O. #:	#													
Address: 2620 W. Marland	2620 W. Marland Blvd.							Co	Company:		Tas	Tasman Geo						าร				
	State: NM	Zip: 88240						Att	n: K	yle l	Attn: Kyle Norman	man						ioi				
Phone #: 575-318-5017	5017 Fax #:							Ad	dres	s: 26	520	Address: 2620 W. Marland			1		5	Ar			H	
Project #: 4951	Project Owner: Foundation	indation	2					Cit	City: Hobbs	bbs	0,			S	M		05	ıs/		_	IS	
Project Name: 4951_Chalupa North								Sta	te: N	Z	Zip:	State: NM Zip: 88240		des	15	X	10	on				
Project Location:								Ph	one	#: 5	75-	Phone #: 575-318-5017		orio	30	ΓE	ГХ	ati	DS	OL		
- 1	ng Pono							Fa	Fax #:					nlo	1 8	ВТ	17	С	_	_		
Sampler Name: Doi	Doug Pope	1	ł	l				h		200	2	SAMPLING		h	Н	E	Н	е	_			
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP. # CONTAINERS	GROUNDWATER	WASTEWATER		SOIL NA RIX	SLUDGE	OTHER:	ACID/BASE:	ACID/BASE:	OTHER:	DATE	ME	C	TP		TP	Complete			24	24
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au a	HA-10 (1-2)	\rightarrow		+		×				×		1	649	×			\vdash	+	+	+		×
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100	HA-11 (1-2)	G		_		×	_			×	_	12/28/21	1009	×	T	T	+	+	+	+	+	< >
17	HA-11 (2-3)	G	1			×				×	-	1212212	1101	×	T	†	+	+	+	+	+	* >
\$	HA-11A (1-2)	G	_	-	-	×	+	+	+	×	1	2710	100	< ×	T	†	+	+	+	+	+	×
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affiliates or successors arising o	If liables or successors around out or or reason water personance of the control	Received By:	eivec	By									hone Result		□ Yes	No No	S S	Add	Add'l Phone #:	#: #:	П	
Rélinquished By:	12/24/22 Time 1423 Date:	Received By	elve)	By	2	2	20	2	7		C	9 0 ZIZ	REMARKS: Gemail results: knorman@tasman-ge geo.com; dpope@tasman-geo.com;	g dp	s: kn	orm @ta	an@ sma)tasr	nan-	geo	con	FAX RESUIT: TES TO NO PROPERTY
Delivered By: (Circle One) Sampler - UPS - Bus - Othe	(Circle One) - 0.75/6-0.0	W no		o do mas	Sample Intact Yes	Sample Condition Cool Intact Yes Pres	ditio	n Co		OL O	OH C	CHECKED BY: (Initials)										
† Cardinal c	Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476	en cha	nges	s to	505-	393-	2476															

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Ta	Tasman Geosciences		віст то					ANA	LYSI	SRE	ANALYSIS REQUEST	EST
Project Manager: Kyle Norman	le Norman		P.O. #:					_	_			
Address: 2620 W. Marland Blvd	Marland Blvd.		Company: Tasman Geo		_	_		ns				
city: Hobbs	State: NM	Zip: 88240	Attn: Kyle Norman					nio				
Phone #: 575-318-5017	5017 Fax #:		Address: 2620 W. Marland		1	_		_	-		, L	•H
Project #: 4951	Project Owner: Foundation	Indation	City: Hobbs	S			10!		107			
Project Name: 4951_Chalupa North	Chalupa North		State: NM Zip: 88240	des	15		10				_	R
Project Location:			Phone #: 575-318-5017	Drie		TE			D	OL	_	ur
Campler Name: Do	Pone		Fax #:		_				_			lou
ne:	bong rope	MATRIX	PRESERV. SAMPLING		_	_	_		_			H
Lab I.D.	Sample I.D.		SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER:	TIME		''	Т	Comple	Comple		0.4	24
TOOPIO	HA-13 (1-2)	G 1 ×	X 12 281	1035	×	\vdash	\vdash	+	+	+	-	× ×
88	HA-14 (0.5-1)	G 1 X	x 12/28/2	14052	×	+	+	+	+	+	+	< >
38	HA-15 (0.5-1)	G 1 ×	x pd28/12	-	×	-	\vdash	\vdash	+	+	+	>
PLEASE NOTE: Liability and Didays after completion of the appliantifiates or successors arising or	PLEASE NOTE: Liability and Damages. Cardina's liability and client's exclusive tensely for any claim arising whether based in contend or fort, shall be please the compeleron of the applicable service. In no event shall cardinal be liable for incidental or consequential damages, including without limitation, days after compeleron of the applicable service. In no event shall cardinal be liable for incidental or consequential damages, including without limitation at liability and of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon	we termedy for any claim arising whether based in contract or fort, shall be limited to the amount paid by the client for the abel for incidental or consequential diamages, including without limitation, business interruptions, loss of use, or loss of heartness or distributions, loss of use, or loss of heartness or distributions, loss of use, or loss of the above stated reasons or otherwise	e analyses. All of profits incurred	aims including those for n y client, its subsidiaries	regligence and any	and any oth	ther cause w	natscever	phall be dea	med waive	waived unless made	reade in writing and received by Cardinal within 30
Relinguished By:	Date: 1292	Received By:		Phone Result: Fax Result:	□ Yes		□ No	AA	Add'l Fax #:	#:		
Relipquished By:	Time:	Received By:	2 grapes	REMARKS: email results: knorman@tasman-ge geo.com; dpope@tasman-geo.com;	ılts: H	(norr	nan(asm	@tas an-g	man eo.c	-gec om;).con	man@tasman-geo.com; bdennis@tasman- ;tasman-geo.com;
Delivered By: (Circle One) Sampler - UPS - Bus - Othe	(Circle One) -0.72/0.0.(-Bus - Other: -0.72/0.5 #1	Sample Condition Cool Intact Ves gres No No No	ion Cool CHECKED BY: (Initials)									
† Cardinal ca	Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476	en changes to 505-393-247	76									



November 28, 2022

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

RE: 4951_CHALUPA NORTH

Enclosed are the results of analyses for samples received by the laboratory on 11/22/22 9:47.

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.

Celey D. Keene

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. Keene

Lab Director/Quality Manager



Analytical Results For:

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

Received: 11/22/2022 Reported: 11/28/2022

Project Name: 4951_CHALUPA NORTH

Project Number: 4952

Project Location: FOUNDATION ENERGY

Sampling Date: 11/21/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: CS - 1 (H225491-01)

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	11/23/2022	ND	2.00	100	2.00	10.0	
Toluene*	<0.050	0.050	11/23/2022	ND	2.08	104	2.00	9.72	
Ethylbenzene*	<0.050	0.050	11/23/2022	ND	2.10	105	2.00	10.5	
Total Xylenes*	<0.150	0.150	11/23/2022	ND	6.40	107	6.00	10.6	
Total BTEX	<0.300	0.300	11/23/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500CI-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	11/22/2022	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	11/23/2022	ND	208	104	200	2.23	
DRO >C10-C28*	<10.0	10.0	11/23/2022	ND	211	106	200	5.64	
EXT DRO >C28-C36	<10.0	10.0	11/23/2022	ND					
Surrogate: 1-Chlorooctane	98.5	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	108	% 46.3-17	8						

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Celey D. Keene



Analytical Results For:

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

Fax To:

Received: 11/22/2022 Reported: 11/28/2022

Project Name: 4951_CHALUPA NORTH

Project Number: 4952

Project Location: FOUNDATION ENERGY

Sampling Date: 11/21/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: CS - 2 (H225491-02)

Chloride, SM4500Cl-B mg/kg Analyzed By: AC Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Qualifier Chloride 11/22/2022 ND 432 400 0.00 32.0 16.0 108

Sample ID: CS - 3 (H225491-03)

Chloride, SM4500Cl-B Analyzed By: AC mg/kg Analyzed BS True Value QC RPD Analyte Result Reporting Limit Method Blank % Recovery Qualifier Chloride 1300 16.0 11/22/2022 432 400 0.00 ND 108

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Analytical Results For:

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

Received: 11/22/2022 Reported: 11/28/2022

Project Name: 4951_CHALUPA NORTH

Project Number: 4952

Project Location: FOUNDATION ENERGY

mg/kg

Sampling Date: 11/21/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: CS - 4 (H225491-04)

BTEX 8021B

DILX GOZID	ıııg,	, kg	Allulyzo	.u Dy. 3117					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/23/2022	ND	2.00	100	2.00	10.0	
Toluene*	<0.050	0.050	11/23/2022	ND	2.08	104	2.00	9.72	
Ethylbenzene*	<0.050	0.050	11/23/2022	ND	2.10	105	2.00	10.5	
Total Xylenes*	<0.150	0.150	11/23/2022	ND	6.40	107	6.00	10.6	
Total BTEX	<0.300	0.300	11/23/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/22/2022	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/23/2022	ND	208	104	200	2.23	
DRO >C10-C28*	<10.0	10.0	11/23/2022	ND	211	106	200	5.64	
EXT DRO >C28-C36	<10.0	10.0	11/23/2022	ND					
Surrogate: 1-Chlorooctane	83.1	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	94.2	% 46.3-17	8						

Analyzed By: JH/

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Celey D. Keene



Analytical Results For:

TASMAN GEOSCIENCES **KYLE NORMAN** 6899 PECOS ST. UNIT C **DENVER CO, 80221**

Fax To:

Received: 11/22/2022 Reported: 11/28/2022

Project Name: 4951_CHALUPA NORTH

Project Number: 4952

Project Location: FOUNDATION ENERGY

336

16.0

Sampling Date: 11/21/2022

Sampling Type: Soil

108

Sampling Condition: Cool & Intact

Sample Received By: Tamara Oldaker

400

0.00

Sample ID: CS - 5 (H225491-05)

Chloride

Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	832	16.0	11/22/2022	ND	432	108	400	0.00	
Sample ID: CS - 6 (H2254	191-06)								
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value OC	RPD	Oualifier

11/22/2022

ND

432

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Analytical Results For:

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

Received: 11/22/2022 Reported: 11/28/2022

Project Name: 4951_CHALUPA NORTH

Project Number: 4952

Project Location: FOUNDATION ENERGY Sampling Date: 11/21/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Sample ID: CS - 7 (H225491-07)

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	11/23/2022	ND	2.00	100	2.00	10.0	
Toluene*	<0.050	0.050	11/23/2022	ND	2.08	104	2.00	9.72	
Ethylbenzene*	<0.050	0.050	11/23/2022	ND	2.10	105	2.00	10.5	
Total Xylenes*	<0.150	0.150	11/23/2022	ND	6.40	107	6.00	10.6	
Total BTEX	<0.300	0.300	11/23/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.7	% 69.9-14	0						
Chloride, SM4500CI-B	mg/	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1120	16.0	11/22/2022	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	11/23/2022	ND	208	104	200	2.23	
DRO >C10-C28*	<10.0	10.0	11/23/2022	ND	211	106	200	5.64	
EXT DRO >C28-C36	<10.0	10.0	11/23/2022	ND					
Surrogate: 1-Chlorooctane	99.8	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	110 9	% 46.3-17	8						

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Celeg D. Freene



Analytical Results For:

TASMAN GEOSCIENCES KYLE NORMAN 6899 PECOS ST. UNIT C **DENVER CO, 80221**

Fax To:

16.0

Received: 11/22/2022 Reported: 11/28/2022

Project Name: 4951_CHALUPA NORTH

Project Number: 4952

Project Location: FOUNDATION ENERGY Sampling Date: 11/21/2022

Sampling Type: Soil

108

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Sample ID: CS - 8 (H225491-08)

Chloride, SM4500Cl-B mg/kg Analyzed By: AC Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Qualifier Chloride 656 11/22/2022 ND 432 400 0.00

Sample ID: CS - 9 (H225491-09)

Chloride, SM4500Cl-B Analyzed By: AC mg/kg Analyzed BS True Value QC RPD Analyte Result Reporting Limit Method Blank % Recovery Qualifier Chloride 160 16.0 11/22/2022 432 400 0.00 ND 108

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Celeg D. Keene



Analytical Results For:

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

Received: 11/22/2022 Reported: 11/28/2022

Project Name: 4951_CHALUPA NORTH

Project Number: 4952

FOUNDATION ENERGY Project Location:

Sampling Date: 11/21/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Sample ID: CS - 10 (H225491-10)

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	11/23/2022	ND	2.00	100	2.00	10.0	
Toluene*	<0.050	0.050	11/23/2022	ND	2.08	104	2.00	9.72	
Ethylbenzene*	<0.050	0.050	11/23/2022	ND	2.10	105	2.00	10.5	
Total Xylenes*	<0.150	0.150	11/23/2022	ND	6.40	107	6.00	10.6	
Total BTEX	<0.300	0.300	11/23/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 69.9-14	0						
Chloride, SM4500CI-B	mg/	'kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	11/22/2022	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	11/23/2022	ND	208	104	200	2.23	
DRO >C10-C28*	<10.0	10.0	11/23/2022	ND	211	106	200	5.64	
EXT DRO >C28-C36	<10.0	10.0	11/23/2022	ND					
Surrogate: 1-Chlorooctane	97.3	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	112 9	% 46.3-17	8						

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Analytical Results For:

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

Fax To:

Received: 11/22/2022 Reported: 11/28/2022

Project Name: 4951_CHALUPA NORTH

Project Number: 4952

Project Location: FOUNDATION ENERGY

Sampling Date: 11/21/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: CS - 11 (H225491-11)

Chloride, SM4500Cl-B mg/kg Analyzed By: AC Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Qualifier Chloride 688 11/22/2022 ND 432 400 0.00 16.0 108

Sample ID: CS - 12 (H225491-12)

Chloride, SM4500Cl-B Analyzed By: AC mg/kg Analyzed BS True Value QC RPD Analyte Result Reporting Limit Method Blank % Recovery Qualifier Chloride 32.0 16.0 11/22/2022 432 400 0.00 ND 108

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Celeg D. Freene



Analytical Results For:

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

Received: 11/22/2022 Reported: 11/28/2022

Project Name: 4951_CHALUPA NORTH

Project Number: 4952

Project Location: FOUNDATION ENERGY Sampling Date: 11/21/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Sample ID: CS - 13 (H225491-13)

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	11/23/2022	ND	2.00	100	2.00	10.0	
Toluene*	<0.050	0.050	11/23/2022	ND	2.08	104	2.00	9.72	
Ethylbenzene*	<0.050	0.050	11/23/2022	ND	2.10	105	2.00	10.5	
Total Xylenes*	<0.150	0.150	11/23/2022	ND	6.40	107	6.00	10.6	
Total BTEX	<0.300	0.300	11/23/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.4	% 69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	11/22/2022	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	11/23/2022	ND	208	104	200	2.23	
DRO >C10-C28*	<10.0	10.0	11/23/2022	ND	211	106	200	5.64	
EXT DRO >C28-C36	<10.0	10.0	11/23/2022	ND					
Surrogate: 1-Chlorooctane	85.4	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	99.4	% 46.3-17	8						

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Analytical Results For:

TASMAN GEOSCIENCES **KYLE NORMAN** 6899 PECOS ST. UNIT C **DENVER CO, 80221**

Fax To:

Received: 11/22/2022 Reported: 11/28/2022

Project Name: 4951_CHALUPA NORTH

Project Number: 4952

Project Location: FOUNDATION ENERGY

224

16.0

Sampling Date: 11/21/2022

Sampling Type: Soil

108

400

0.00

432

Sampling Condition: Cool & Intact Sample Received By:

Tamara Oldaker

Sample ID: CS - 14 (H225491-14)

Chloride

Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/22/2022	ND	432	108	400	0.00	
Sample ID: CS - 15 (H225	5491-15)								
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier

ND

11/22/2022

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Analytical Results For:

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

Received: 11/22/2022 Reported: 11/28/2022

Project Name: 4951_CHALUPA NORTH

Project Number: 4952

Project Location: FOUNDATION ENERGY

Sampling Date: 11/21/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: CS - 16 (H225491-16)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/23/2022	ND	2.00	100	2.00	10.0	
Toluene*	<0.050	0.050	11/23/2022	ND	2.08	104	2.00	9.72	
Ethylbenzene*	<0.050	0.050	11/23/2022	ND	2.10	105	2.00	10.5	
Total Xylenes*	<0.150	0.150	11/23/2022	ND	6.40	107	6.00	10.6	
Total BTEX	<0.300	0.300	11/23/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	848	16.0	11/22/2022	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/23/2022	ND	208	104	200	2.23	
DRO >C10-C28*	<10.0	10.0	11/23/2022	ND	211	106	200	5.64	
EXT DRO >C28-C36	<10.0	10.0	11/23/2022	ND					
Surrogate: 1-Chlorooctane	93.7	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	104	% 46.3-17	78						

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Analytical Results For:

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

Fax To:

Received: 11/22/2022 Reported: 11/28/2022

Project Name: 4951_CHALUPA NORTH

Project Number: 4952

Project Location: FOUNDATION ENERGY

Sampling Date: 11/21/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: CS - 17 (H225491-17)

Chloride, SM4500Cl-B mg/kg Analyzed By: AC Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Qualifier Chloride 976 11/22/2022 ND 432 400 0.00 16.0 108

Sample ID: CS - 18 (H225491-18)

Chloride, SM4500Cl-B Analyzed By: AC mg/kg Analyzed BS True Value QC RPD Analyte Result Reporting Limit Method Blank % Recovery Qualifier Chloride 320 16.0 11/22/2022 432 400 0.00 ND 108

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Analytical Results For:

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

Received: 11/22/2022 Reported: 11/28/2022

Project Name: 4951_CHALUPA NORTH

Project Number: 4952

Project Location: FOUNDATION ENERGY Sampling Date: 11/21/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Sample ID: CS - 19 (H225491-19)

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	11/23/2022	ND	2.00	100	2.00	10.0	
Toluene*	<0.050	0.050	11/23/2022	ND	2.08	104	2.00	9.72	
Ethylbenzene*	<0.050	0.050	11/23/2022	ND	2.10	105	2.00	10.5	
Total Xylenes*	<0.150	0.150	11/23/2022	ND	6.40	107	6.00	10.6	
Total BTEX	<0.300	0.300	11/23/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.8	% 69.9-14	0						
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	11/22/2022	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	11/23/2022	ND	208	104	200	2.23	
DRO >C10-C28*	<10.0	10.0	11/23/2022	ND	211	106	200	5.64	
EXT DRO >C28-C36	<10.0	10.0	11/23/2022	ND					
Surrogate: 1-Chlorooctane	90.7	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	103 9	% 46.3-17	8						

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Analytical Results For:

TASMAN GEOSCIENCES KYLE NORMAN 6899 PECOS ST. UNIT C **DENVER CO, 80221**

Fax To:

Received: 11/22/2022 Reported: 11/28/2022

4951_CHALUPA NORTH

Project Number: 4952

Project Location: FOUNDATION ENERGY Sampling Date: 11/21/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By:

Tamara Oldaker

Sample ID: CS - 20 (H225491-20)

Project Name:

Chloride, SM4500Cl-B mg/kg Analyzed By: AC Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Qualifier Chloride 288 11/22/2022 ND 432 400 0.00 16.0 108

Sample ID: CS - 21 (H225491-21)

Chloride, SM4500Cl-B Analyzed By: AC mg/kg Analyzed BS True Value QC RPD Analyte Result Reporting Limit Method Blank % Recovery Qualifier Chloride 464 16.0 11/22/2022 432 400 0.00 ND 108

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Analytical Results For:

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

Received: 11/22/2022 Reported: 11/28/2022

Project Name: 4951_CHALUPA NORTH

Project Number: 4952

Project Location: FOUNDATION ENERGY Sampling Date: 11/21/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Sample ID: CS - 22 (H225491-22)

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	11/23/2022	ND	2.00	100	2.00	10.0	
Toluene*	<0.050	0.050	11/23/2022	ND	2.08	104	2.00	9.72	
Ethylbenzene*	< 0.050	0.050	11/23/2022	ND	2.10	105	2.00	10.5	
Total Xylenes*	<0.150	0.150	11/23/2022	ND	6.40	107	6.00	10.6	
Total BTEX	<0.300	0.300	11/23/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.6	% 69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1840	16.0	11/22/2022	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	11/22/2022	ND	201	100	200	7.82	
DRO >C10-C28*	<10.0	10.0	11/22/2022	ND	181	90.7	200	8.94	
EXT DRO >C28-C36	<10.0	10.0	11/22/2022	ND					
Surrogate: 1-Chlorooctane	95.8	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	102 9	% 46.3-17	8						

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Analytical Results For:

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

Fax To:

Received: 11/22/2022 Reported: 11/28/2022

Project Name: 4951_CHALUPA NORTH

Project Number: 4952

Project Location: FOUNDATION ENERGY

784

16.0

Sampling Date: 11/21/2022

Sampling Type: Soil

108

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

400

0.00

Sample ID: CS - 23 (H225491-23)

Sample ID: CS - 24 (H225491-24)

Chloride

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Qualifier

ND

432

11/22/2022

Chloride, SM4500Cl-B Analyzed By: AC mg/kg Analyzed BS True Value QC RPD Analyte Result Reporting Limit Method Blank % Recovery Qualifier Chloride 560 16.0 11/22/2022 448 400 3.64 ND 112

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Analytical Results For:

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

Received: 11/22/2022 Reported: 11/28/2022

Project Name: 4951_CHALUPA NORTH

ma/ka

Project Number: 4952

Project Location: FOUNDATION ENERGY

Sampling Date: 11/21/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: CS - 25 (H225491-25)

RTFY 8021R

B1EX 8021B	mg,	кg	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/23/2022	ND	2.00	100	2.00	10.0	
Toluene*	<0.050	0.050	11/23/2022	ND	2.08	104	2.00	9.72	
Ethylbenzene*	<0.050	0.050	11/23/2022	ND	2.10	105	2.00	10.5	
Total Xylenes*	<0.150	0.150	11/23/2022	ND	6.40	107	6.00	10.6	
Total BTEX	<0.300	0.300	11/23/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.8	% 69.9-14	0						
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	11/22/2022	ND	448	112	400	3.64	
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	11/22/2022	ND	201	100	200	7.82	
DRO >C10-C28*	<10.0	10.0	11/22/2022	ND	181	90.7	200	8.94	
EXT DRO >C28-C36	<10.0	10.0	11/22/2022	ND					
Surrogate: 1-Chlorooctane	98.8	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	104	% 46.3-17	8						

Analyzed By: 1H /

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Analytical Results For:

TASMAN GEOSCIENCES **KYLE NORMAN** 6899 PECOS ST. UNIT C **DENVER CO, 80221**

Fax To:

Received: 11/22/2022 Reported: 11/28/2022

Project Name: 4951_CHALUPA NORTH

Project Number: 4952

Project Location: FOUNDATION ENERGY Sampling Date: 11/21/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Sample ID: CS - 26 (H225491-26)

Chloride, SM4500Cl-B mg/kg Analyzed By: AC Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Qualifier Chloride 16.0 11/22/2022 ND 448 400 16.0 112 3.64

Sample ID: CS - 27 (H225491-27)

Chloride, SM4500CI-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	11/22/2022	ND	448	112	400	3.64	

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Analytical Results For:

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

Received: 11/22/2022 Reported: 11/28/2022

Project Name: 4951_CHALUPA NORTH

Project Number: 4952

Project Location: FOUNDATION ENERGY Sampling Date: 11/21/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Sample ID: CS - 28 (H225491-28)

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	11/23/2022	ND	2.00	100	2.00	10.0	
Toluene*	<0.050	0.050	11/23/2022	ND	2.08	104	2.00	9.72	
Ethylbenzene*	<0.050	0.050	11/23/2022	ND	2.10	105	2.00	10.5	
Total Xylenes*	<0.150	0.150	11/23/2022	ND	6.40	107	6.00	10.6	
Total BTEX	<0.300	0.300	11/23/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/22/2022	ND	448	112	400	3.64	
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	11/22/2022	ND	201	100	200	7.82	
DRO >C10-C28*	<10.0	10.0	11/22/2022	ND	181	90.7	200	8.94	
EXT DRO >C28-C36	<10.0	10.0	11/22/2022	ND					
Surrogate: 1-Chlorooctane	100 9	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	106	% 46.3-17	8						

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Analytical Results For:

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

Fax To:

Received: 11/22/2022 Reported: 11/28/2022

Project Name: 4951_CHALUPA NORTH

Project Number: 4952

Project Location: FOUNDATION ENERGY

Sampling Date: 11/21/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: CS - 29 (H225491-29)

Chloride, SM4500CI-B mg/kg Analyzed By: AC

Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Qualifier

Chloride 48.0 16.0 11/22/2022 ND 448 112 400 3.64

Sample ID: CS - 30 (H225491-30)

Chloride, SM4500Cl-B Analyzed By: AC mg/kg Analyzed BS True Value QC RPD Analyte Result Reporting Limit Method Blank % Recovery Qualifier Chloride 16.0 16.0 11/22/2022 448 400 3.64 ND 112

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Analytical Results For:

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

Received: 11/22/2022 Reported: 11/28/2022

Project Name: 4951_CHALUPA NORTH

Project Number: 4952

Project Location: FOUNDATION ENERGY

Sampling Date: 11/21/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: BF - 1 (H225491-31)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/22/2022	ND	2.05	103	2.00	10.6	
Toluene*	<0.050	0.050	11/22/2022	ND	2.20	110	2.00	10.9	
Ethylbenzene*	<0.050	0.050	11/22/2022	ND	2.15	108	2.00	10.9	
Total Xylenes*	<0.150	0.150	11/22/2022	ND	6.54	109	6.00	10.5	
Total BTEX	<0.300	0.300	11/22/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	85.8	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/22/2022	ND	448	112	400	3.64	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/22/2022	ND	201	100	200	7.82	
DRO >C10-C28*	<10.0	10.0	11/22/2022	ND	181	90.7	200	8.94	
EXT DRO >C28-C36	<10.0	10.0	11/22/2022	ND					
Surrogate: 1-Chlorooctane	87.7	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	96.4	% 46.3-17	8						

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Analytical Results For:

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

Received: 11/22/2022 Reported: 11/28/2022

Project Name: 4951_CHALUPA NORTH

Project Number: 4952

Project Location: FOUNDATION ENERGY

Sampling Date: 11/21/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: BF - 2 (H225491-32)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/22/2022	ND	2.05	103	2.00	10.6	
Toluene*	<0.050	0.050	11/22/2022	ND	2.20	110	2.00	10.9	
Ethylbenzene*	<0.050	0.050	11/22/2022	ND	2.15	108	2.00	10.9	
Total Xylenes*	<0.150	0.150	11/22/2022	ND	6.54	109	6.00	10.5	
Total BTEX	<0.300	0.300	11/22/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	87.2	% 69.9-14	0						
Chloride, SM4500Cl-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	11/22/2022	ND	448	112	400	3.64	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/22/2022	ND	195	97.7	200	9.92	
DRO >C10-C28*	<10.0	10.0	11/22/2022	ND	184	91.9	200	6.75	
EXT DRO >C28-C36	<10.0	10.0	11/22/2022	ND					
Surrogate: 1-Chlorooctane	80.9	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	86.8	% 46.3-17	8						

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Analytical Results For:

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

Received: 11/22/2022 Reported: 11/28/2022

Project Name: 4951_CHALUPA NORTH

Project Number: 4952

Project Location: FOUNDATION ENERGY

Sampling Date: 11/21/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: BF - 3 (H225491-33)

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	11/22/2022	ND	2.05	103	2.00	10.6	
Toluene*	<0.050	0.050	11/22/2022	ND	2.20	110	2.00	10.9	
Ethylbenzene*	<0.050	0.050	11/22/2022	ND	2.15	108	2.00	10.9	
Total Xylenes*	<0.150	0.150	11/22/2022	ND	6.54	109	6.00	10.5	
Total BTEX	<0.300	0.300	11/22/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	86.3	% 69.9-14	0						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	11/22/2022	ND	448	112	400	3.64	
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	11/22/2022	ND	195	97.7	200	9.92	
DRO >C10-C28*	<10.0	10.0	11/22/2022	ND	184	91.9	200	6.75	
EXT DRO >C28-C36	<10.0	10.0	11/22/2022	ND					
Surrogate: 1-Chlorooctane	88.9	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	98.4	% 46.3-17	78						

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Analytical Results For:

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

Received: 11/22/2022 Reported: 11/28/2022

Project Name: 4951_CHALUPA NORTH

Project Number: 4952

Project Location: FOUNDATION ENERGY

Sampling Date: 11/21/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: BF - 4 (H225491-34)

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	11/22/2022	ND	2.05	103	2.00	10.6	
Toluene*	<0.050	0.050	11/22/2022	ND	2.20	110	2.00	10.9	
Ethylbenzene*	<0.050	0.050	11/22/2022	ND	2.15	108	2.00	10.9	
Total Xylenes*	<0.150	0.150	11/22/2022	ND	6.54	109	6.00	10.5	
Total BTEX	<0.300	0.300	11/22/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	84.5	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	11/22/2022	ND	448	112	400	3.64	
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	11/23/2022	ND	195	97.7	200	9.92	
DRO >C10-C28*	<10.0	10.0	11/23/2022	ND	184	91.9	200	6.75	
EXT DRO >C28-C36	<10.0	10.0	11/23/2022	ND					
Surrogate: 1-Chlorooctane	106	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	118	% 46.3-17	8						

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Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

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

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

	P.O. #:		_					_	_
	Company: Tas	man Geo	_				ns		
NM Zip: 88240	Attn: Kyle Nor	man	_			_	nio	_	_
	Address: 2020	W. Mariand	_	١		_	Ar		Н
Owner: Foundation Energy	City: Hobbs		s	_		_	ıs/	_	US
	State: NM Zip:	: 88240	de	_	_	_		_	_
	Phone #: 575-	318-5017	orio	_	_	_	_		
	Fax #:		nlo	_			_	_	
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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Tas	Tasman Geosciences		-	- 1	- 1	- 1		\neg	- 1			BI	BILL TO					A	NAL	SISA	REC	ANALYSIS REQUEST	
Brainet Manager: Kv	e Norman							P.C	P.O. #:														
Address: 2620 W. Marland Blvd	Marland Blvd.							Co	mp	any	-1	asn	Company: Tasman Geo						าร				
City: Hobbs	State: NM	Zip: 88240						Ati	H: H	(yle	Attn: Kyle Norman	orm	an						ioi				
Phone #: 575-318-5017	Fax #:							Ad	dre	ss:	262	W O	Address: 2620 W. Marland					,	An			Н	
Project #: 4952	Project Owner: Foundation Energy	dation	Ener	gy				Cit	City: Hobbs	lob	sd				_	M		05	ıs/			JS	
Project Name: 4951_Chalupa North	Chalupa North							Sta	ate:	X	7	ip:	State: NM Zip: 88240		de	15	X	10	ior	S	D	RI	
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Project Location.							١	E7	# #		-				_	8	3T	T	C	Т	10	οι	
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FOR LAB USE ONLY	CARCACC		П	11	MATRIX	RIX	11	11	무	RES	PRESERV.		SAMPLING		_	PI		P	ete			4 H	
Lab I.D.	Sample I.D.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:		ICE / COOL	OTHER:	DATE	TIME		Т		Т	Comple			24	
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PLEASE NOTE: Liability and Damages. Cardinal's lit days after completion of the applicable service. In no affiliates or successors arising out of or related to the	bblifty and client's exclusive remedy for any claim arising event shall Cardinal be liable for incidental or consequer performance of services hereunder by Cardinal, regardi	whether based intal damages, incomes of whether si	nd in contract of including with a such claim is	ct or tor eithout i	rt, shall be limited to limitation, business sed upon any of the	be limit busin	ness inter	interrup above s	tions,	loss of reason	use or	or loss of protherwise.	of profits incurred by se.	ofits incurred by client, its subsidiaries									
Relinquished By:	Date: /22/22	Received By	ved I	y.							1			Phone Result: Fax Result:	1 1	☐ Yes	₽ No No		Add	Add'I Fax #:	**		
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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

B. Land Connisonor	
BILL TO	
ANALYSIS REQUEST	

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Project Manager: Kyle Norman	Norman								2	300	VO	7	mse	Company: Tasman Geo						s		_	_	_	_
Address: 2620 W. Marland Blvd.	NIV.	000	5						A I	-	vle.	N	Attn: Kyle Norman	n						on		_		_	_
city: Hobbs	State: NM Zip	71b: 007.40	1								3	52	E I	Marland					_	ni		_	_	_	_
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ARDINAL LABORATORIES
101 East Mariand, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603 (505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325)673-7020

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Address: 2620 W. Marland Blvd	rland Blvd.								Co	m p	Company:	1	asn	Tasman Geo						ns				
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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

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

Action 185313

CONDITIONS

Operator:	OGRID:
FOUNDATION ENERGY MANAGEMENT, LLC	370740
	Action Number:
ADDISON, TX 75001	185313
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Cr By	eated	Condition	Condition Date
b	hall	Confirmation samples must be representative of no more than 400 square feet.	2/13/2023