E Received by OCD: 2/13/2023 7:55:45 Adde of New Mexico

Page 3

Oil Conservation Division

| Incident ID | nOY1706630Page 1 of 5 |
|----------------|-----------------------|
| 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? | <u>73</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.

 \boxtimes Field data

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.

| Received by OCD: 2/13/2023 7:55:45 State of New Mexico Oil Conservation Division | Incident ID District RP Facility ID Application ID | nOY170663 (Page 2 of 5) |
|---|---|-------------------------|
| I hereby certify that the information given above is true and complete to the best of my knowledge a regulations all operators are required to report and/or file certain release notifications and perform compublic health or the environment. The acceptance of a C-141 report by the OCD does not relieve the failed to adequately investigate and remediate contamination that pose a threat to groundwater, surfar addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compand/or regulations. | e operator of liability sho ace water, human health | or the environment. In |
| | ulatory Supervisor | |
| OCD Only Received by: Date: | | |

Received by OCD: 2/13/2023 7:55:45 & Mate of New MexicoPage 5Oil Conservation Division

| Incident ID | NOY 1706630 Page 3 of 57 |
|----------------|--------------------------|
| District RP | |
| Facility ID | |
| Application ID | |

Remediation Plan

| Remediation Plan Checklist: Each of the following items must b | e included in the 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 con | nfirmed 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 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@foundationenergy.com | Telephone: 972-707-2595 | | | | | | | |
| OCD Only | | | | | | | | |
| Received by: Jocelyn Harimon | Date: 02/13/2023 | | | | | | | |
| Approved Approved with Attached Conditions of | Approval Denied Deferral Approved | | | | | | | |
| Signature: Hall | Date: 2/13/2023 | | | | | | | |

Work plan approved with the following conditions: 1. Confirmation samples must be representative of no more than 400 square feet. 2. The area of Backfill-1, HA-5, HA-6, and HA-7 must be remediated and reclaimed per 19.15.29 NMAC.

CHALUPA #4 SWD – SOUTH RELEASE AREA Remediation Action Plan

NMOCD Incident No. nOY1706630747 UL "M", Sec. 13, T14S, R33E 33.0982437°, -103.5753937° 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 – South Release Area
 UL "M", Section 13, Township 14 South, Range 33 East
 Lea County, New Mexico
 NMOCD Incident No. nOY1706630747
 Tasman Project No. 4952

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 <u>knorman@tasman-geo.com</u>



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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 – South 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 "M", Township 14 South, Range 33 East and the approximate coordinates are 33.0982437, -103.5753937 (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 February 23, 2017, FEM discovered a release of produced water at the Site from a clamp securing a hose to the Chalupa #4 SWD wellhead that failed, releasing saltwater on the ground surface. The release occurred approximately 2,500-feet south of the tank battery location. Approximately 125 bbls of saltwater were released to the ground surface and approximately 25 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 level 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 0.64 acres and extended vertically to between 34 and 59 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 of the SRA 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, approximately 4,091 cubic yards (yd3) of chloride impacted soil were transported under waste manifest procedures to an approved off-Site disposal facility (Gandy Marley Inc.) located near Caprock, New Mexico. On May 20, 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 22-23, 2019, approximately 3,422 yd³ of clean sand were backfilled in the excavation to a depth of 18 inches bgs and approximately 1,315 yd³ of clean topsoil was backfilled and compacted within the disturbed area to match the previous grade. Imported material, including sand and topsoil, was sourced from Gandy Marley, Inc. 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, reseding 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 to be granted.

2.0 CONFIRMATION SOIL SAMPLING

On November 17, 2022, Tasman mobilized to the Site to collect confirmation soil samples in accordance with NMOCD email correspondence, dated October 31, 2022. Twenty-two (22) 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 within the former excavation at a



depth of 3.5 feet bgs. Samples were collected above the liner to prevent damage. Sample locations are illustrated on Figure 2 and a photographic log is provided as 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 mg/kg in one of the 22 confirmation wall samples and one of the four backfill samples. A concentration of 704 milligrams per kilogram (mg/kg) was detected in the confirmation wall sample CS-14 and 1,800 mg/kg was detected in the backfill sample BF-1.

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

3.0 ADDITIONAL ASSESSMENT

Based on the analytical results of the confirmation sampling, Tasman mobilized to the site on December 30, 2022, to advance a total of seven soil borings in an attempt to delineate areas



exhibiting concentrations of chlorides above NMOCD criteria.

On December 30, 2022, Tasman mobilized to the Site to further delineate remaining chloride impacts in the area of exceedances observed during the November 2022 confirmation sampling even. A total of seven soil borings (HA-1 through HA-7) 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

Boring locations HA-1 (8,240 mg/kg) and HA-2 (4,040 mg/kg) exhibited concentrations of chlorides above NMOCD criteria to their terminal depths of 1 foot bgs, due to geologic refusal.

Five soil borings were advanced into the backfill material. Hand augers HA-5 (1,310 mg/kg) and HA-6 (1,140 mg/kg) exhibited concentrations of chlorides above the NMOCD Action Level to their terminal depths of 3 feet bgs. The soil sample collected from HA-7 at 0.5 feet (880 mg/kg) exhibited a concentration of chlorides greater than the NMOCD Action Level and achieved vertical delineation with the sample collected from 3 feet bgs (368 mg/kg).

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

4.0 PROPOSED ACTION PLAN

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

4.1 Delineation and Excavation

Due to the success of the revegetation performed in 2019 demonstrated by current vegetative cover in the backfill area, and the presence of the existing liner, Tasman requests the NMOCD approval to leave the existing backfill material which exhibited elevated chloride concentrations within the former excavation area.

Tasman proposes to perform additional characterization of the areas surrounding soil borings CS-14, HA-1, and HA-2 advanced 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 titrations kit.

Once the approximate extent of remaining horizontal impacts are 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 of chlorides by EPA method SM4500 in accordance with the sampling procedures in Section 2.

4.2 Reclamation and Revegetation

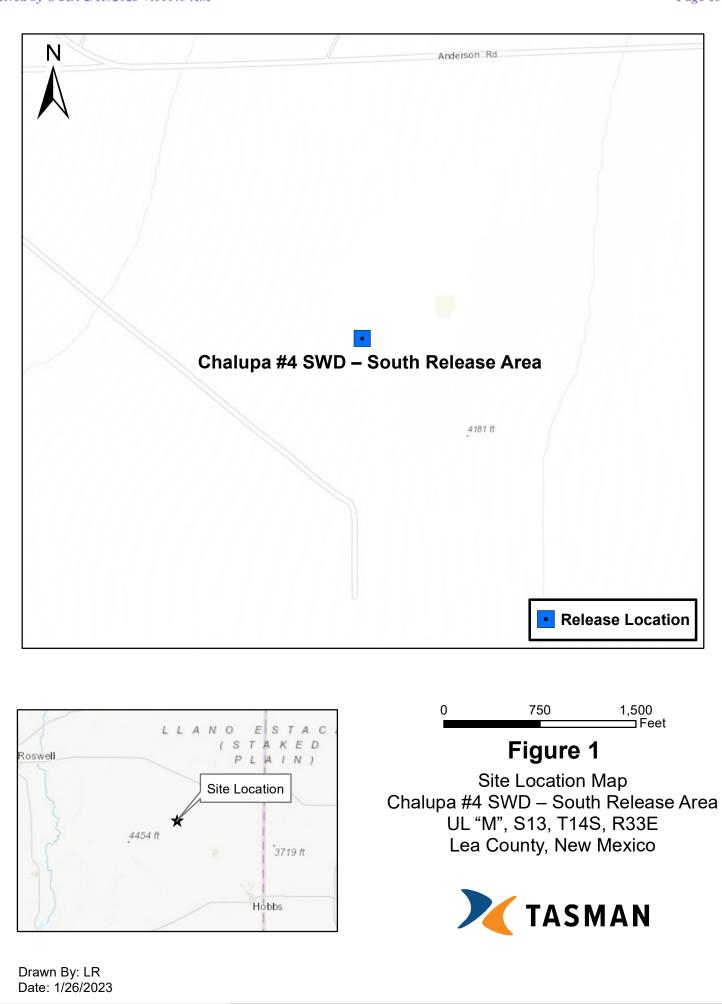
Once analytical data indicates remediation objectives have been met, the excavation area and any additional areas affected by the release will be restored to the condition which existed prior to disturbance to the maximum extent practical. The excavation will be backfilled with clean import material. 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.

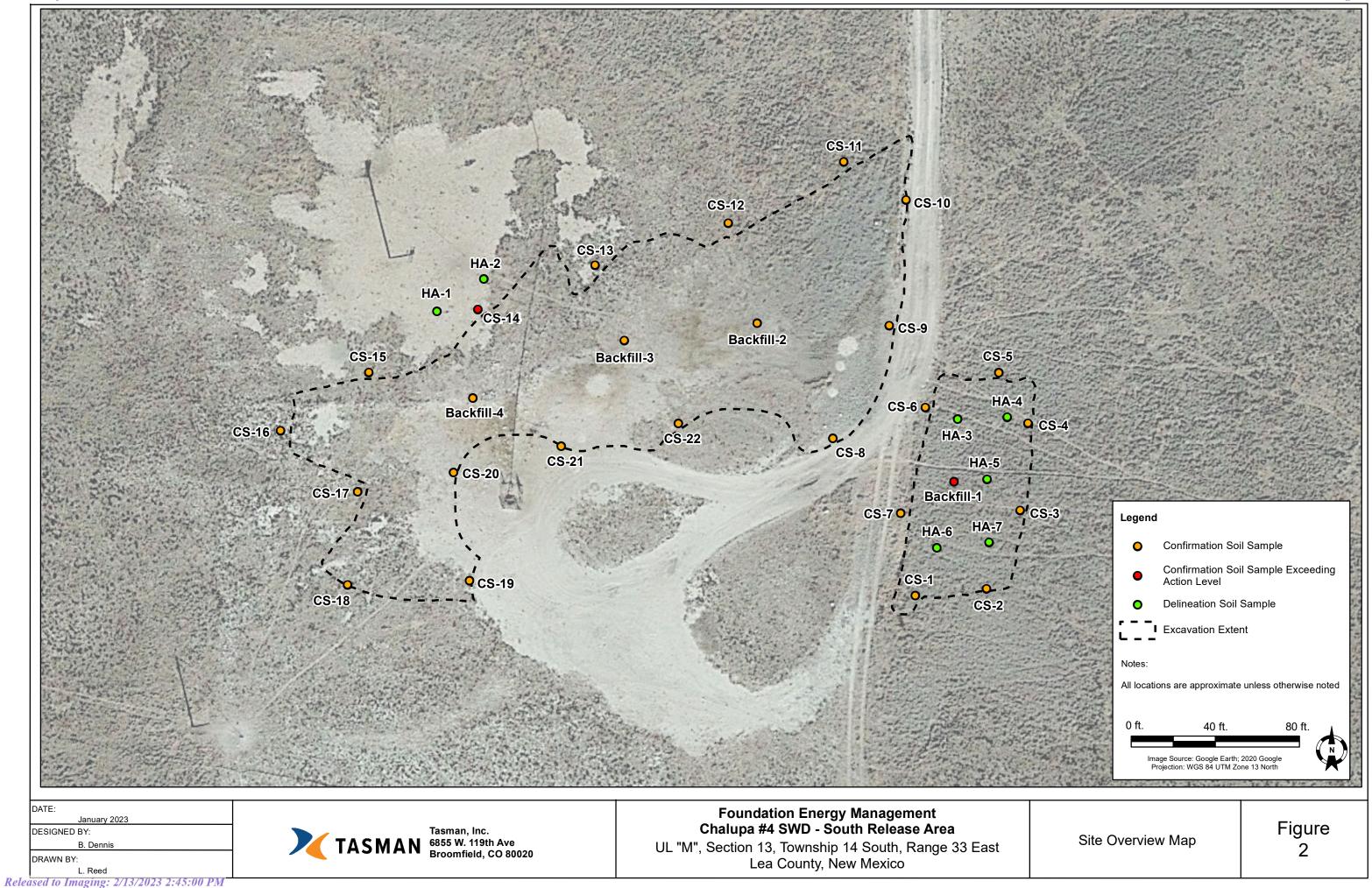
5.0 PROPOSED RECLAMATION AND REVEGETATION

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

FIGURES



Received by OCD: 2/13/2023 7:55:45 AM



TABLES

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

| Sample Sample Sample PID Field Chloride Benzene Total BTEX ¹ | | | | | TPH ² (mg/kg) | | | | | | |
|---|-------------|-------------|-------|---------|--------------------------|------------------|-------|-------|-------|-------|---------|
| Sample ID | Depth (bgs) | Sample Date | (ppm) | (mg/kg) | (mg/kg) | (mg/kg) | GRO | DRO | MRO | TOTAL | (mg/kg) |
| Confirmation Wall Soil Samples | | | | | | | | | | | |
| CS - 1 | | 11/17/2022 | | | <0.050 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | 112 |
| CS - 2 | | 11/17/2022 | | | | | | | | | 240 |
| CS - 3 | | 11/17/2022 | | | | | | | | | 32.0 |
| CS - 4 | | 11/17/2022 | | | <0.050 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | 192 |
| CS - 5 | | 11/17/2022 | | | | | | | | | 576 |
| CS - 6 | | 11/17/2022 | | | | | | | | | 128 |
| CS - 7 | | 11/17/2022 | | | <0.050 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <16.0 |
| CS - 8 | | 11/17/2022 | | | | | | | | | 32.0 |
| CS - 9 | | 11/17/2022 | | | | | | | | | 144 |
| CS - 10 | | 11/17/2022 | | | <0.050 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | 64.0 |
| CS - 11 | | 11/17/2022 | | | | | | | | | 32.0 |
| CS - 12 | | 11/17/2022 | | | | | | | | | 80.0 |
| CS - 13 | | 11/17/2022 | | | <0.050 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | 16.0 |
| CS - 14 | | 11/17/2022 | | | | | | | | | 704 |
| CS - 15 | | 11/17/2022 | | | | | | | | | 16 |
| CS - 16 | | 11/17/2022 | | | <0.050 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | 32.0 |
| CS - 17 | | 11/17/2022 | | | | | | | | | 16.0 |
| CS - 18 | | 11/17/2022 | | | | | | | | | 32.0 |
| CS - 19 | | 11/17/2022 | | | <0.050 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | 32.0 |
| CS - 20 | | 11/17/2022 | | | | | | | | | 16.0 |
| CS - 21 | | 11/17/2022 | | | | | | | | | 320 |
| CS - 22 | | 11/17/2022 | | | <0.050 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | 192 |
| | | | | | Backf | ill Soil Samples | | | | | |
| BF - 1* | | 11/17/2022 | | | <0.050 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | 1,800 |
| BF - 2* | | 11/17/2022 | | | <0.050 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | 16.0 |
| BF - 3 * | | 11/17/2022 | | | <0.050 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | 16.0 |
| BF - 4* | | 11/17/2022 | | | <0.050 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | 192 |
| NMOCD Action Levels ⁴ | | | N/A | N/A | 10 | 50 | | N/A | | 100 | 600 |

Notes:

1. BTEX = Benzene, toluene, ethylbenzene, and total xylenes by EPA method 8021B

2. TPH = Total petroleum hydrocarbons analyzed by method EPA 8015M (GRO/DRO/MRO)

3. Chloride - Analyzed by EPA method 300

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 g | ground surface |
|---------------|----------------|
|---------------|----------------|

GRO = Gasoline range organics

DRO = Diesel 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 2DELINEATION SOIL ANALYTICAL SUMMARY - CHLORIDESFoundation Energy Management, LLCChalupa SWD #4 - South Release Area

| Sample ID | Sample Depth (bgs) | Sample Date | PID (ppm) | Field Chloride (mg/kg) | Chrloride ¹ (mg/kg) | | |
|-------------------|-----------------------|-------------------|------------------|---------------------------|-----------------------------------|--|--|
| | | Delineati | ion Soil Samples | | | | |
| HA-1* | 0-0.5 | 12/30/2022 | | 4,588 | | | |
| 114-1 | 0.5-1 | 12/30/2022 | | 3,039 | 8,240 | | |
| HA-2* | 0-0.5 | 12/30/2022 | | 3,234 | | | |
| NA-2 | 0.5-1 | 12/30/2022 | | 3,188 | 4,040 | | |
| | 0-0.5 | | | 58 | | | |
| HA-3* | 0.5-1 | 12/30/2022 | | 60 | 16.0 | | |
| ПА-5 ¹ | 1-2 | 12/30/2022 | | 62 | | | |
| | 2-3 | | | 62 | 32.0 | | |
| | 0-0.5 | | | 60 | | | |
| HA-4* | 0.5-1 | 12/30/2022 | | 58 | 16.0 | | |
| пА-4 | 1-2 | 12/30/2022 | | 59 | | | |
| | 2-3 | | | 57 | 32.0 | | |
| | 0-0.5 | | | 59 | | | |
| HA-5* | 0.5-1 | 12/20/2022 | | 654 | 1,310 | | |
| па-э | 1-2 | 12/30/2022 | | 1,148 | | | |
| | 2-3 | | | 1,382 | 1,150 | | |
| | 0-0.5 | | | 58 | | | |
| HA-6* | 0.5-1 | 12/30/2022 | | 211 | 256 | | |
| HA-0 | 1-2 | 12/30/2022 | | 612 | | | |
| | 2-3 | | | 1,050 | 1,140 | | |
| | 0-0.5 | | | 618 | 880 | | |
| HA-7* | 0.5-1 | 12/30/2022 | | 61 | | | |
| | 1-2 | | | 298 | 368 | | |
| NM | OCD Action Le | vels ² | N/A | N/A | 600 | | |

Notes:

1. Chloride - Analyzed by EPA method 300

2. 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

--- = 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

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Received by OCD: 2/13/2023 7:55:45 AM

State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr.

Form C-141 Revised August 8, 2011

Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

| 1220 S. St. Fiai | iicis Di., Saina | 1°C, INIM 8730. | 5 | Sa | nta Fe | e, NM 875 | 505 | | | | | | |
|--|------------------|-------------------|----------------------|--|----------|---|--------------------------------------|------------|------------|---------------------------|-----------|----------------------|--|
| Release Notification and Corrective Action | | | | | | | | | | | | | |
| | | | | | | | OPERATOR Initial Report Final Report | | | | | | |
| Name of C | ompany Four | | Contact Rachel Grant | | | | | | | | | | |
| | 00 Dallas Parkv | | | No. 918-526-5592 | | | | | | | | | |
| Facility Na | me Chalupa S | ND | | | | Facility Typ | e Salt water dispos | al well | | | | | |
| Surface Ow | vner | | | Mineral O | wner | | | | API No | . 30-025-291 | 84 | | |
| | | | | LOCA | TIO | N OF RE | LEASE | | | | | | |
| Unit Letter | Section | Township | Range | Feet from the | | South Line | Feet from the | East/V | Vest Line | County | | | |
| Μ | 13 | 14S | 33E | 330 | Sou | Ith | 330 | We | st | L | _ea | | |
| | | | T | titude 33.0982 | 437 | τ | le103.5753 | 937 | | | | | |
| | | | La | | | | | | | | | | |
| | | | | NAT | URE | OF REL | | | | | | | |
| Type of Rele | ease Saltwater | loso camo losos h | acquee of occ | roded clamps | | | Release 125 bbls | 08 | | Lecovered 2 Hour of Di | | /23/2017, 12pm | |
| Was Immedi | | | Couse of Coll | oueu ciamps | | If YES, To | Whom? | | | | SCOVELY2 | 12012017, 12pm | |
| ., do miniou | | | Yes 🗌 |] No 🗌 Not Re | quired | | Oliv | via Y | U | | | | |
| By Whom? | | | | | | | Iour 2/24/2017, 9am | | | | | | |
| Was a Water | rcourse Reac | hed? | Yes 🔳 | No | | If YES, Vo | olume Impacting | the Wate | rcourse. | A | | | |
| TC 117 | т | | | | | | | | | 47 N | | | |
| If a Waterco | urse was Imp | bacted, Descr | ibe Fully. | NA | | DEC | | | | | | | |
| | | | | | | REC | EIVED | | | | | | |
| | | | | | | By O | livia Yu a | nt 8:1 | 5 am, | Mar 0 | 7, 20 | 17 | |
| Describe Cause of Problem and Remedial Action Taken.* Vacuum truck was called out immediately to vacuum free-standing fluid on location. | | | | | | | | | | | | | |
| | | | | | | | called to replace | | | | | | |
| | | | | | | | ct the hose to | | | | | | |
| | | | | | | | | | | | | | |
| Describe Area Affected and Cleanup Action Taken.* Working procedure for remediation. | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | e is true and compl | | | | | | | | | |
| | | | | nd/or file certain re | | | | | | | | | |
| should their | operations ha | onment. The | adequately | ce of a C-141 report investigate and re | emediate | e contaminati | on that pose a th | reat to gr | ound water | . surface w | ater, hum | naonny nan health | |
| or the enviro | nment. In ac | ldition, NMC | OCD accep | otance of a C-141 r | | | | | | | | | |
| federal, state | , or local law | s and/or regu | ilations. | | | OIL CONSERVATION DIVISION | | | | | | | |
| | XXX | A | | | | OIL CONSERVATION DIVISION | | | | | | | |
| Signature: SVA / | | | | | | - IM | | | | | | | |
| Printed Name: Rachel Grant | | | | | | Approved by Environmental Specialist: | | | | | 2 | | |
| Title: HSE/Regulatory Manager | | | | | | Approval Date: 3/7/2017 Expiration Date: | | | | | | | |
| E-mail Addr | ess: regula | atory@fo | oundat | ionenergy.c | om , | Conditions of | Approval: | | | | / | , | |
| E-mail Address: regulatory@foundationenergy.com Date: 3 6 17 Phone: 918-526-5592 | | | | | | Conditions of Approval: See attached directive | | | | | | | |
| Date: | -1.4 | to If Margar | | 10 520 55 | ~ | | | | | | | | |
| Attach Addi | monal Shee | IS IT INCCESS | ary | | | | | | | | | | |
| | | ÷ | | | | 1RP-46 | pOY | 1706 | 631065 | n C | JY170 | 6630747 | |

ABBENDIX B – PHOTOGRAPHIC LOG

Foundation Energy Management

Chalupa SWD #4 – South Release Area





Foundation Energy Management

Chalupa SWD #4 – South Release Area





Foundation Energy Management

Chalupa SWD #4 – South Release Area





APPENDIX C – CERTIFIED LABORATORY ANALYTICAL REPORTS



January 03, 2023

KYLE NORMAN TASMAN GEOSCIENCES 6899 PECOS ST. UNIT C

DENVER, CO 80221

RE: 4952_CHALUPA SOUTH

Enclosed are the results of analyses for samples received by the laboratory on 12/30/22 10:50.

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: | 12/30/2022 | Sampling Date: | 12/30/2022 |
|-------------------|--------------------|---------------------|------------------|
| Reported: | 01/03/2023 | Sampling Type: | Soil |
| Project Name: | 4952_CHALUPA SOUTH | Sampling Condition: | Cool & Intact |
| Project Number: | 4952 | Sample Received By: | Shalyn Rodriguez |
| Project Location: | FOUNDATION | | |

Sample ID: HA - 1 (0.5-1) (H226112-02)

| Chloride, SM4500Cl-B | mg | /kg | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 8240 | 16.0 | 01/03/2023 | ND | 416 | 104 | 400 | 0.00 | |

Sample ID: HA - 2 (0.5-1) (H226112-04)

| Chloride, SM4500Cl-B | Chloride, SM4500CI-B mg/ | | Analyze | d By: GM | | | | | |
|----------------------|--------------------------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 4040 | 16.0 | 01/03/2023 | ND | 416 | 104 | 400 | 0.00 | |

Sample ID: HA - 3 (0.5-1) (H226112-06)

| Chloride, SM4500Cl-B | ride, SM4500Cl-B mg/kg Analyze | | | ed By: GM | | | | | |
|----------------------|--------------------------------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 16.0 | 16.0 | 01/03/2023 | ND | 400 | 100 | 400 | 3.92 | |

Sample ID: HA - 3 (2-3) (H226112-08)

| Chloride, SM4500Cl-B | mg | mg/kg Analyzed By: GM | | | | | | | |
|----------------------|--------|-----------------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 32.0 | 16.0 | 01/03/2023 | ND | 400 | 100 | 400 | 3.92 | |

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*=Accredited Analyte

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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: | 12/30/2022 | | Sampling Date: | 12/30/2022 |
| Reported: | 01/03/2023 | | Sampling Type: | Soil |
| Project Name: | 4952_CHALUPA SOL | JTH | Sampling Condition: | Cool & Intact |
| Project Number: | 4952 | | Sample Received By: | Shalyn Rodriguez |
| Project Location: | FOUNDATION | | | |

Sample ID: HA - 4 (0.5-1) (H226112-10)

| Chloride, SM4500Cl-B | mg | /kg | Analyze | d By: GM | | | | | |
|----------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 16.0 | 16.0 | 01/03/2023 | ND | 400 | 100 | 400 | 3.92 | |

Sample ID: HA - 4 (2-3) (H226112-12)

| Chloride, SM4500Cl-B | mg/ | ′kg | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 32.0 | 16.0 | 01/03/2023 | ND | 400 | 100 | 400 | 3.92 | |

Sample ID: HA - 5 (0.5-1) (H226112-14)

| Chloride, SM4500Cl-B | mg | /kg | Analyze | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1310 | 16.0 | 01/03/2023 | ND | 400 | 100 | 400 | 3.92 | |

Sample ID: HA - 5 (2-3) (H226112-16)

| Chloride, SM4500Cl-B | de, SM4500Cl-B mg/kg Analyzed By: GM | | | d By: GM | | | | | |
|----------------------|--------------------------------------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1150 | 16.0 | 01/03/2023 | ND | 400 | 100 | 400 | 3.92 | |

Sample ID: HA - 6 (0.5-1) (H226112-18)

| Chloride, SM4500Cl-B | M4500Cl-B mg/kg Analyzed By: GM | | | d By: GM | | | | | |
|----------------------|---------------------------------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 256 | 16.0 | 01/03/2023 | ND | 400 | 100 | 400 | 3.92 | |

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Celecz D. Keine

Celey D. Keene, Lab Director/Quality Manager



FOUNDATION

Analytical Results For:

| | TASMAN GEOSCIENCES | | |
|-----------------|-----------------------|---------------------|------------------|
| | KYLE NORMAN | | |
| | 6899 PECOS ST. UNIT C | | |
| | DENVER CO, 80221 | | |
| | Fax To: | | |
| Received: | 12/30/2022 | Sampling Date: | 12/30/2022 |
| Reported: | 01/03/2023 | Sampling Type: | Soil |
| Project Name: | 4952_CHALUPA SOUTH | Sampling Condition: | Cool & Intact |
| Project Number: | 4952 | Sample Received By: | Shalyn Rodriguez |

Sample ID: HA - 6 (2-3) (H226112-20)

Project Location:

| Chloride, SM4500Cl-B | mg | /kg | Analyze | d By: GM | | | | | |
|----------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1140 | 16.0 | 01/03/2023 | ND | 400 | 100 | 400 | 3.92 | |

Sample ID: HA - 7 (0-0.5) (H226112-21)

| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: GM | | | | | |
|----------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 880 | 16.0 | 01/03/2023 | ND | 400 | 100 | 400 | 3.92 | |

Sample ID: HA - 7 (1-2) (H226112-23)

| Chloride, SM4500Cl-B | mg | /kg | Analyze | d By: GM | | | | | |
|----------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 368 | 16.0 | 01/03/2023 | ND | 400 | 100 | 400 | 3.92 | |

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

| QM-07 | The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery. |
|-------|--|
| ND | Analyte NOT DETECTED at or above the reporting limit |
| RPD | Relative Percent Difference |
| ** | Samples not received at proper temperature of 6°C or below. |
| *** | Insufficient time to reach temperature. |
| - | Chloride by SM4500Cl-B does not require samples be received at or below 6°C |
| | Samples reported on an as received basis (wet) unless otherwise noted on report |

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager

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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 | | | | | | | | | | | | | 81 | BILL TO | | | - 1 | | | ANALYSIS | ۲ <u>ا</u> | IS R | D | REQUEST | ST |
|---|--|----------------------------------|----------------------|--------------------|-----------------------|-------------------|------------------------|----------------|------------------|--------------------------|----------------------------|-------------------------|-------------------|-----------------------------|--|--|----------------------------|----------|------------|----------------------------------|--------------------------------|---------------|----------|-----------|----------------|--|
| Project Manager: Kyle Norman | le Norman | | | | | | | | | P.O. | 0. # | | | | | | | | | | | - | - | _ | - | - |
| Address: 2620 W. | 2620 W. Marland Blvd. | | | | | | | | | Co | mp | Company: | | asr | Tasman Geo | | | | | | s | | | | | |
| City: Hobbs | State: NM | Zip: 88240 | 240 | | | | | | | Att | n: F | Syle | Attn: Kyle Norman | orn | an | | | | | | on | | | | | |
| Phone #: 575-318-5017 | 6017 Fax #: | | | | | | | | | Ad | dre | SS: | 262 | N O | Address: 2620 W. Marland | | | | | | ni | | - | | | |
| Project #: 4952 | Project Owner: Foundation | unda | tion | | | | | | | Cit | y: H | City: Hobbs | sq | | | | | N | | 5 | /A | | | | SH | |
| Project Name: 4952_Chalupa South | Chalupa South | | | | | | | | | Sta | te: | State: NM | | Ē | Zip: 88240 | | _ | 51 | | 00 | ns | | | | US | |
| Project Location: | | | | | | | | | | Ph | one | # | 57 | 3 | Phone #: 575-318-5017 | | | 21 | EX | K 1 | tio | | | - | R | |
| Sampler Name: Doug | Doug Pope | | | | | | | | | Fax #: | # | | | | | | loi | 8 | BTI | T | Ca | TD | | 0 | ur | |
| FOR LAB USE ONLY | | 1 | 1 | 1 | L | | | | L | Γ | 1 | L | L | L | | | - | ł | B | ł | C | - | - | - | 0 | |
| UN LAB USE UNLT | | P. | | Π | 11 | Ň | MATRIX | × | | | PR | ESE | PRESERV. | | SAMPLING | LING | | ۲ | E | PH | e | | | | | |
| | | OMP | RS | R | 2 | | | - | | | | - | _ | | | | | TF | | TΡ | ete | | | | 4 ł | |
| - 0 | Sample I.D. | G)RAB OR (C)O | # CONTAINER | ROUNDWATER | WASTEWATER | SOIL | OIL | | SLUDGE | OTHER : | ACID/BASE: | ICE / COOL | | OTHER : | | | | | | Т | Comple | | | | 24 | |
| 1 1 1 A | HA-1 (0-0.5) | G | - | | | × | - | - | _ | | | × | + | _ | DATE | TIME | | | | | | + | + | 1 | + | |
| 5 | HA-1 (0.5-1) | G (| | | + | × | + | + | | | T | <> | Ŧ | + | 12/30/22 | 0020 | < | | | | | + | + | > | + | |
| V | HA-2 (0-0 5) | 0 0 | - | Т | + | <; | + | + | | | Т | < | Ŧ | + | 12/30/22 | 7060 | > | | | | T | t | + | + | - | |
| - | | | - | Τ | T | 1 | ť | ┝ | | | Т | 5 | f | + | 12/30/22 | ICED | | | | | Γ | F | × | ŕ | | |
| 4 | HA-2 (0.5-1) | G | - | | | × | - | - | | | | × | - | | 12/30/22 | 0939 | X | | | | | | - | - | | |
| S | HA-3 (0-0.5) | G | - | | | × | - | - | | | | × | - | _ | 12/30/22 | 0945 | | | | | | + | × | 4 | + | |
| 6 | HA-3 (0.5-1) | G | 1 | | | × | - | - | _ | | | × | - | - | 12/30/22 | 0947 | × | | | | | + | + | + | + | |
| 2 | HA-3 (1-2) | G | 1 | | | × | | - | _ | | | × | - | _ | 12/30/22 | 0950 | | | | | | + | × | 4 | + | |
| 00 | HA-3 (2-3) | G | 1 | | | × | - | - | _ | | | × | - | - | 12/30/22 | 0953 | × | | | | | + | + | + | - | |
| 2 | HA-4 (0-0.5) | G | 1 | | | × | - | - | _ | | | × | - | - | 12/30/22 | 1000 | _ | | | | | + | × | + | + | |
| 10 | HA-4 (0.5-1) | G | - | | | × | | | | | | × | - | - | 12/30/22 | 1002 | × | | | | | + | + | - | + | |
| days after completion of the applic, liates or successors arising out of t | Processes with complexing out of or related to the performance of services hereunder by Cardinal, negatives leads or whether such claims is beinded to prevent goal by the claim of the subject. All claims including those for negigience and any other still lates or successors arising out of or related to the performance of services hereunder by Cardinal, negatives of whether such claims is based upon any of the above stated relatives or otherwise. | ether ba tal dama of wheth | ges, in liges, in | cluding h claim | g without a | rt, sha sed up | If be li tation, on an | busic busic | to the less i | amou sternu ve sta | nt pai ptions ted re | d by t loss asons | of use | nt for , or lo enwise | he analyses. All cl is of profits incurre | aims including those dispersion of the second secon | e for negligeno diaries | ie and a | ny other c | use what | soever sh | all be de | med waiv | ed unless | made in writin | intisoever shall be deemed waived unless made in writing and received by Cardinal within |
| Relinquished By | Date: /20/22 | Received By: | eive |) d B | 1 | 2 | | 1 | | | | | | | 717 | Phone Result: Fax Result: | □ Yes | | U No | | Add'l Phone #: Add'l Fax #: | Phon Fax # | * | | | |
| half | Time: (050 | | 2 | 2 | 2 | 2 | 5 | - | Q | 7 | 7 | p | 5 |) | T | REMARKS: | | | | 2 | 1000 | - 97 1 | | | | |
| Relinquisted By: | Date: Time: | Received By: | eive | dB | × | | | | | | | | | ~ | 9 0 | geo.com; dpope@ | dpop | e@ | tasr | man@tasman-ge tasman-geo.com; | -gec | an-(| ŋ; ŋ; | com | bder | emaii resuits: knorman@tasman-geo.com; bdennis@tasman- geo.com; dpope@tasman-geo.com; |
| Delivered By: (Circle One) Sampler - UPS - Bus - Other: | -1,9:1-0 | - | | s | Sample Condition Cool | | | | 5 | | | | | | | | | | | | | | | | | |

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

| Relinquished by: | 1ht | Relinquished By: | affiliates or successors arising out | PLEASE NOTE: Liability and Dan 30 days after completion of the app | | | | | | | ~~~ | y N | 2) SU | A | 10/00/20 | Lab I.D. | FOR LAB USE ONLY | Sampler Name: Doug Pope | Project Location: | Project Name: 4952_Chalupa South | Project #: 4952 | Phone #: 575-318-5017 | city: Hobbs | Address: 2620 W. Marland Blvd | Project Manager: Kyle Norman | Company Name: Tasman Geosciences |
|--------------------------------|--------------------------------------|--------------------------------|--|--|-----------------------------|----------|----------|------------|----------|----------|----------|------------|--------------|--------------|----------|--|------------------|-------------------------|-----------------------|----------------------------------|---------------------------|--------------------------|-------------------|-------------------------------|------------------------------|----------------------------------|
| Time: | Time: 10 St | Date:/ 20/25 | and and some states are supported and the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise affiates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise | PEASE NOTE: Liability and Dumages Cardinal's liability and client's exclusive remody for any claim arising whether based in contract or tot, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of portis incurred by client, its subsidiaries 30 days after completion of the applicable service. | | | | | | | | HA-7 (1-2) | HA-7 (0.5-1) | HA-7 (0-0.5) | | Sample I.D. | | gPope | | Chalupa South | Project Owner: Foundation | 017 Fax #: | State: NM | Marland Blvd. | le Norman | man Geosciences |
| Transition by | Received By: | Received By: | rdiess of whether such claim is based upon | ing whether based in contract or tort, shall b sequential damages, including without limitati | | | | | | | | G 1 X | G 1 X | G 1 X | G | G)RAB OR (C)OM # CONTAINERS ROUNDWATER WASTEWATER SOIL | P. MATRIX | | | | Foundation | | Zip: 88240 | | | |
| | noner | | any of the above stated reasons or othen | e limited to the amount paid by the client on, business interruptions, loss of use, o | | | | | | | | × | × | × | | OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER : | IX PRESERV. | Fax #: | Phone #: 575-318-5017 | State: NM Zip: 88240 | City: Hobbs | Address: 2620 W. Marland | Attn: Kyle Norman | Company: Tash | P.O. #: | BI |
| ge | en REA | Pho Fax | wise. | for the analyses. All claims r loss of profits incurred by | 12/30/22 | 12/30/22 | 12/30/22 | 12/30/22 | 12/30/22 | 12/30/22 | 12/30/22 | 12/30/22 1 | 12/30/22 1 | 12/30/22 1 | DATE | | SAMPLING | | 318-5017 | 88240 | | V. Marland | han | Tasman Geo | | BILL TO |
| geo.com; dpope@tasman-geo.com; | email results: knoi | Phone Result: Fax Result: | | s including those client, its subsidi | | | | | | | | 1046 | 1042 | 1040 | IIME | | | | | | | | | | | |
| dpo | ults: | □ Yes | | for negliger aries | | | | | | | | × | | × | L | | | _ | | de | | | | | | |
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| mar | n@ | | | ause who | | | | | | | | | | | | Т | PI | H | ТХ | 10 | 05 | 5 | | | | A |
| 1-ge | asn | Add | | itsoever | F | \vdash | t | \uparrow | \top | | T | T | T | T | t | Comple | ete | C | at | ior | ns/ | Ar | nio | ns | | NAL |
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| om; | -geo | #: #: | | Seemed v | | - | - | | - | - | - | + | + | + | ╀ | | | _ | - | | | | | | | IS R |
| | 0.00 | | | valved u | | | | | | | | | × | < | L | | | H | OL | D | | | | | | EQ |
| | om; bdenni | | | any other cause whatsoever shall be deemed waived unless made in writing and | | | | | | | | | | | | 24 | 4 ⊦ | 10 | ur | RL | JS | н | _ | | | ANALYSIS REQUEST |
| | rman@tasman-geo.com; bdennis@tasman- | | | In writing and received by Carolina within | received by Cardinal within | | | | | | | | | | | | | | | | | | | | | - |

Sampler - UPS - Bus - Other:

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Sample Condition Cool Intact

CHECKED BY: (Initials)

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

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No D No



November 22, 2022

KYLE NORMAN TASMAN GEOSCIENCES 6899 PECOS ST. UNIT C

DENVER, CO 80221

RE: 4952_CHALUPA SOUTH

Enclosed are the results of analyses for samples received by the laboratory on 11/18/22 13:58.

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

Cardinal Laboratories is 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,

Whe Singh

Mike Snyder For Celey D. Keene Lab Director/Quality Manager



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

| Received: | 11/18/2022 | Sampling Date: | 11/17/2022 |
|-------------------|--------------------|---------------------|------------------|
| Reported: | 11/22/2022 | Sampling Type: | Soil |
| Project Name: | 4952_CHALUPA SOUTH | Sampling Condition: | Cool & Intact |
| Project Number: | 4952 | Sample Received By: | Shalyn Rodriguez |
| Project Location: | NONE GIVEN | | |

Sample ID: CS - 1 (H225463-01)

| 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 | 11/22/2022 | ND | 1.93 | 96.6 | 2.00 | 7.52 | |
| Toluene* | <0.050 | 0.050 | 11/22/2022 | ND | 2.11 | 105 | 2.00 | 7.62 | |
| Ethylbenzene* | <0.050 | 0.050 | 11/22/2022 | ND | 1.96 | 97.8 | 2.00 | 4.87 | |
| Total Xylenes* | <0.150 | 0.150 | 11/22/2022 | ND | 5.87 | 97.8 | 6.00 | 5.83 | |
| Total BTEX | <0.300 | 0.300 | 11/22/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 101 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500Cl-B | mg | /kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 112 | 16.0 | 11/21/2022 | ND | 416 | 104 | 400 | 3.77 | |
| 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 | 11/21/2022 | ND | 196 | 97.9 | 200 | 3.95 | |
| DRO >C10-C28* | <10.0 | 10.0 | 11/21/2022 | ND | 185 | 92.5 | 200 | 2.79 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 11/21/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 99.3 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 113 | % 46.3-17 | 8 | | | | | | |

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

| Received: | 11/18/2022 | Sampling Date: | 11/17/2022 |
|-------------------|--------------------|---------------------|------------------|
| Reported: | 11/22/2022 | Sampling Type: | Soil |
| Project Name: | 4952_CHALUPA SOUTH | Sampling Condition: | Cool & Intact |
| Project Number: | 4952 | Sample Received By: | Shalyn Rodriguez |
| Project Location: | NONE GIVEN | | |

Sample ID: CS - 2 (H225463-02)

| Chloride, SM4500Cl-B | Cl-B mg/kg | | Analyze | Analyzed By: GM | | | | | |
|----------------------|------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 240 | 16.0 | 11/21/2022 | ND | 416 | 104 | 400 | 3.77 | |

Sample ID: CS - 3 (H225463-03)

| Chloride, SM4500Cl-B mg/kg | | Analyze | Analyzed By: GM | | | | | | |
|----------------------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 32.0 | 16.0 | 11/21/2022 | ND | 416 | 104 | 400 | 3.77 | |

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| DENVER CO, 80221 | |
| Fax To: | |

| Received: | 11/18/2022 | Sampling Date: | 11/17/2022 |
|-------------------|--------------------|---------------------|------------------|
| Reported: | 11/22/2022 | Sampling Type: | Soil |
| Project Name: | 4952_CHALUPA SOUTH | Sampling Condition: | Cool & Intact |
| Project Number: | 4952 | Sample Received By: | Shalyn Rodriguez |
| Project Location: | NONE GIVEN | | |

Sample ID: CS - 4 (H225463-04)

| BTEX 8021B | mg, | /kg | Analyze | d By: JH | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 11/22/2022 | ND | 1.73 | 86.4 | 2.00 | 13.5 | |
| Toluene* | <0.050 | 0.050 | 11/22/2022 | ND | 1.93 | 96.7 | 2.00 | 11.6 | |
| Ethylbenzene* | <0.050 | 0.050 | 11/22/2022 | ND | 1.80 | 89.8 | 2.00 | 11.9 | |
| Total Xylenes* | <0.150 | 0.150 | 11/22/2022 | ND | 5.38 | 89.7 | 6.00 | 11.5 | |
| Total BTEX | <0.300 | 0.300 | 11/22/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 99.8 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | /kg | Analyzed By: GM | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 192 | 16.0 | 11/21/2022 | ND | 416 | 104 | 400 | 3.77 | |
| TPH 8015M | mg/kg | | Analyzed By: MS | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 11/21/2022 | ND | 196 | 97.9 | 200 | 3.95 | |
| DRO >C10-C28* | <10.0 | 10.0 | 11/21/2022 | ND | 185 | 92.5 | 200 | 2.79 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 11/21/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 90.0 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 97.7 | % 46.3-17 | 8 | | | | | | |

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| Received: | 11/18/2022 | Sampling Date: | 11/17/2022 |
|-------------------|--------------------|---------------------|------------------|
| Reported: | 11/22/2022 | Sampling Type: | Soil |
| Project Name: | 4952_CHALUPA SOUTH | Sampling Condition: | Cool & Intact |
| Project Number: | 4952 | Sample Received By: | Shalyn Rodriguez |
| Project Location: | NONE GIVEN | | |

Sample ID: CS - 5 (H225463-05)

| Chloride, SM4500Cl-B | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 576 | 16.0 | 11/21/2022 | ND | 416 | 104 | 400 | 3.77 | |

Sample ID: CS - 6 (H225463-06)

| Chloride, SM4500Cl-B | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 128 | 16.0 | 11/21/2022 | ND | 416 | 104 | 400 | 3.77 | |

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| DENVER CO, 80221 |
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| Received: | 11/18/2022 | Sampling Date: | 11/17/2022 |
|-------------------|--------------------|---------------------|------------------|
| Reported: | 11/22/2022 | Sampling Type: | Soil |
| Project Name: | 4952_CHALUPA SOUTH | Sampling Condition: | Cool & Intact |
| Project Number: | 4952 | Sample Received By: | Shalyn Rodriguez |
| Project Location: | NONE GIVEN | | |

Sample ID: CS - 7 (H225463-07)

| 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 | 11/22/2022 | ND | 1.73 | 86.4 | 2.00 | 13.5 | |
| Toluene* | <0.050 | 0.050 | 11/22/2022 | ND | 1.93 | 96.7 | 2.00 | 11.6 | |
| Ethylbenzene* | <0.050 | 0.050 | 11/22/2022 | ND | 1.80 | 89.8 | 2.00 | 11.9 | |
| Total Xylenes* | <0.150 | 0.150 | 11/22/2022 | ND | 5.38 | 89.7 | 6.00 | 11.5 | |
| Total BTEX | <0.300 | 0.300 | 11/22/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 97.9 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | /kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | <16.0 | 16.0 | 11/21/2022 | ND | 416 | 104 | 400 | 3.77 | |
| TPH 8015M | mg/ | /kg | Analyzed By: MS | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 11/21/2022 | ND | 196 | 97.9 | 200 | 3.95 | |
| DRO >C10-C28* | <10.0 | 10.0 | 11/21/2022 | ND | 185 | 92.5 | 200 | 2.79 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 11/21/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 100 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 110 9 | 46.3-17 | 8 | | | | | | |

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| DENVER CO, 80221 |
| Fax To: |

| Received: | 11/18/2022 | Sampling Date: | 11/17/2022 |
|-------------------|--------------------|---------------------|------------------|
| Reported: | 11/22/2022 | Sampling Type: | Soil |
| Project Name: | 4952_CHALUPA SOUTH | Sampling Condition: | Cool & Intact |
| Project Number: | 4952 | Sample Received By: | Shalyn Rodriguez |
| Project Location: | NONE GIVEN | | |

Sample ID: CS - 8 (H225463-08)

| Chloride, SM4500Cl-B | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 32.0 | 16.0 | 11/21/2022 | ND | 416 | 104 | 400 | 3.77 | |

Sample ID: CS - 9 (H225463-09)

| Chloride, SM4500Cl-B | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 144 | 16.0 | 11/21/2022 | ND | 416 | 104 | 400 | 0.00 | |

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| Received: | 11/18/2022 | Sampling Date: | 11/17/2022 |
|-------------------|--------------------|---------------------|------------------|
| Reported: | 11/22/2022 | Sampling Type: | Soil |
| Project Name: | 4952_CHALUPA SOUTH | Sampling Condition: | Cool & Intact |
| Project Number: | 4952 | Sample Received By: | Shalyn Rodriguez |
| Project Location: | NONE GIVEN | | |

Sample ID: CS - 10 (H225463-10)

| 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 | 11/22/2022 | ND | 1.73 | 86.4 | 2.00 | 13.5 | |
| Toluene* | <0.050 | 0.050 | 11/22/2022 | ND | 1.93 | 96.7 | 2.00 | 11.6 | |
| Ethylbenzene* | <0.050 | 0.050 | 11/22/2022 | ND | 1.80 | 89.8 | 2.00 | 11.9 | |
| Total Xylenes* | <0.150 | 0.150 | 11/22/2022 | ND | 5.38 | 89.7 | 6.00 | 11.5 | |
| Total BTEX | <0.300 | 0.300 | 11/22/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 97.0 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | 'kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 64.0 | 16.0 | 11/21/2022 | ND | 416 | 104 | 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 | 11/21/2022 | ND | 196 | 97.9 | 200 | 3.95 | |
| DRO >C10-C28* | <10.0 | 10.0 | 11/21/2022 | ND | 185 | 92.5 | 200 | 2.79 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 11/21/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 105 9 | 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 1169 | 46.3-17 | 8 | | | | | | |

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



| TASMAN GEOSCIENCES | |
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| KYLE NORMAN | |
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| DENVER CO, 80221 | |
| Fax To: | |

| Received: | 11/18/2022 | Sampling Date: | 11/17/2022 |
|-------------------|--------------------|---------------------|------------------|
| Reported: | 11/22/2022 | Sampling Type: | Soil |
| Project Name: | 4952_CHALUPA SOUTH | Sampling Condition: | Cool & Intact |
| Project Number: | 4952 | Sample Received By: | Shalyn Rodriguez |
| Project Location: | NONE GIVEN | | |

Sample ID: CS - 11 (H225463-11)

| Chloride, SM4500Cl-B | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 32.0 | 16.0 | 11/21/2022 | ND | 416 | 104 | 400 | 0.00 | |

Sample ID: CS - 12 (H225463-12)

| Chloride, SM4500Cl-B | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 80.0 | 16.0 | 11/21/2022 | ND | 416 | 104 | 400 | 0.00 | |

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

| Received: | 11/18/2022 | Sampling Date: | 11/17/2022 |
|-------------------|--------------------|---------------------|------------------|
| Reported: | 11/22/2022 | Sampling Type: | Soil |
| Project Name: | 4952_CHALUPA SOUTH | Sampling Condition: | Cool & Intact |
| Project Number: | 4952 | Sample Received By: | Shalyn Rodriguez |
| Project Location: | NONE GIVEN | | |

Sample ID: CS - 13 (H225463-13)

| 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 | 11/22/2022 | ND | 1.73 | 86.4 | 2.00 | 13.5 | |
| Toluene* | <0.050 | 0.050 | 11/22/2022 | ND | 1.93 | 96.7 | 2.00 | 11.6 | |
| Ethylbenzene* | <0.050 | 0.050 | 11/22/2022 | ND | 1.80 | 89.8 | 2.00 | 11.9 | |
| Total Xylenes* | <0.150 | 0.150 | 11/22/2022 | ND | 5.38 | 89.7 | 6.00 | 11.5 | |
| Total BTEX | <0.300 | 0.300 | 11/22/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 99.0 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | /kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 16.0 | 16.0 | 11/21/2022 | ND | 416 | 104 | 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 | 11/21/2022 | ND | 196 | 97.9 | 200 | 3.95 | |
| DRO >C10-C28* | <10.0 | 10.0 | 11/21/2022 | ND | 185 | 92.5 | 200 | 2.79 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 11/21/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 106 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 116 9 | 46.3-17 | 8 | | | | | | |

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

| Received: | 11/18/2022 | Sampling Date: | 11/17/2022 |
|-------------------|--------------------|---------------------|------------------|
| Reported: | 11/22/2022 | Sampling Type: | Soil |
| Project Name: | 4952_CHALUPA SOUTH | Sampling Condition: | Cool & Intact |
| Project Number: | 4952 | Sample Received By: | Shalyn Rodriguez |
| Project Location: | NONE GIVEN | | |

Sample ID: CS - 14 (H225463-14)

| Chloride, SM4500Cl-B | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 704 | 16.0 | 11/21/2022 | ND | 416 | 104 | 400 | 0.00 | |

Sample ID: CS - 15 (H225463-15)

| Chloride, SM4500Cl-B | mg | /kg | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 16.0 | 16.0 | 11/21/2022 | ND | 416 | 104 | 400 | 0.00 | |

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| 6899 PECOS ST. UNIT C | |
| DENVER CO, 80221 | |
| Fax To: | |

| Received: | 11/18/2022 | Sampling Date: | 11/17/2022 |
|-------------------|--------------------|---------------------|------------------|
| Reported: | 11/22/2022 | Sampling Type: | Soil |
| Project Name: | 4952_CHALUPA SOUTH | Sampling Condition: | Cool & Intact |
| Project Number: | 4952 | Sample Received By: | Shalyn Rodriguez |
| Project Location: | NONE GIVEN | | |

Sample ID: CS - 16 (H225463-16)

| 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 | 1.73 | 86.4 | 2.00 | 13.5 | |
| Toluene* | <0.050 | 0.050 | 11/22/2022 | ND | 1.93 | 96.7 | 2.00 | 11.6 | |
| Ethylbenzene* | <0.050 | 0.050 | 11/22/2022 | ND | 1.80 | 89.8 | 2.00 | 11.9 | |
| Total Xylenes* | <0.150 | 0.150 | 11/22/2022 | ND | 5.38 | 89.7 | 6.00 | 11.5 | |
| Total BTEX | <0.300 | 0.300 | 11/22/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 98.7 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | /kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 32.0 | 16.0 | 11/21/2022 | ND | 416 | 104 | 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 | 11/21/2022 | ND | 196 | 97.9 | 200 | 3.95 | |
| DRO >C10-C28* | <10.0 | 10.0 | 11/21/2022 | ND | 185 | 92.5 | 200 | 2.79 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 11/21/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 107 9 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 117 9 | % 46.3-17 | 8 | | | | | | |

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| DENVER CO, 80221 | |
| Fax To: | |

| Received: | 11/18/2022 | Sampling Date: | 11/17/2022 |
|-------------------|--------------------|---------------------|------------------|
| Reported: | 11/22/2022 | Sampling Type: | Soil |
| Project Name: | 4952_CHALUPA SOUTH | Sampling Condition: | Cool & Intact |
| Project Number: | 4952 | Sample Received By: | Shalyn Rodriguez |
| Project Location: | NONE GIVEN | | |

Sample ID: CS - 17 (H225463-17)

| Chloride, SM4500Cl-B | mg | /kg | Analyze | d By: GM | | | | | |
|----------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 16.0 | 16.0 | 11/21/2022 | ND | 416 | 104 | 400 | 0.00 | |

Sample ID: CS - 18 (H225463-18)

| Chloride, SM4500Cl-B | mg, | /kg | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 32.0 | 16.0 | 11/21/2022 | ND | 416 | 104 | 400 | 0.00 | |

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| 6899 PECOS ST. UNIT C | |
| DENVER CO, 80221 | |
| Fax To: | |

| Received: | 11/18/2022 | Sampling Date: | 11/17/2022 |
|-------------------|--------------------|---------------------|------------------|
| Reported: | 11/22/2022 | Sampling Type: | Soil |
| Project Name: | 4952_CHALUPA SOUTH | Sampling Condition: | Cool & Intact |
| Project Number: | 4952 | Sample Received By: | Shalyn Rodriguez |
| Project Location: | NONE GIVEN | | |

Sample ID: CS - 19 (H225463-19)

| 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 | 11/22/2022 | ND | 1.73 | 86.4 | 2.00 | 13.5 | |
| Toluene* | <0.050 | 0.050 | 11/22/2022 | ND | 1.93 | 96.7 | 2.00 | 11.6 | |
| Ethylbenzene* | <0.050 | 0.050 | 11/22/2022 | ND | 1.80 | 89.8 | 2.00 | 11.9 | |
| Total Xylenes* | <0.150 | 0.150 | 11/22/2022 | ND | 5.38 | 89.7 | 6.00 | 11.5 | |
| Total BTEX | <0.300 | 0.300 | 11/22/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 99.4 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | /kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 32.0 | 16.0 | 11/21/2022 | ND | 416 | 104 | 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 | 11/21/2022 | ND | 196 | 97.9 | 200 | 3.95 | |
| DRO >C10-C28* | <10.0 | 10.0 | 11/21/2022 | ND | 185 | 92.5 | 200 | 2.79 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 11/21/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 106 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 116 9 | 46.3-17 | 8 | | | | | | |

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| DENVER CO, 80221 | |
| Fax To: | |

| Received: | 11/18/2022 | Sampling Date: | 11/17/2022 |
|-------------------|--------------------|---------------------|------------------|
| Reported: | 11/22/2022 | Sampling Type: | Soil |
| Project Name: | 4952_CHALUPA SOUTH | Sampling Condition: | Cool & Intact |
| Project Number: | 4952 | Sample Received By: | Shalyn Rodriguez |
| Project Location: | NONE GIVEN | | |

Sample ID: CS - 20 (H225463-20)

| Chloride, SM4500Cl-B | CI-B mg/kg | | Analyze | Analyzed By: GM | | | | | |
|----------------------|------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 16.0 | 16.0 | 11/21/2022 | ND | 416 | 104 | 400 | 0.00 | |

Sample ID: CS - 21 (H225463-21)

| Chloride, SM4500Cl-B mg/kg | | Analyze | Analyzed By: GM | | | | | | |
|----------------------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 320 | 16.0 | 11/21/2022 | ND | 416 | 104 | 400 | 0.00 | |

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| DSCIENCES |
|------------|
| AN |
| ST. UNIT C |
| 80221 |
| |
| |

| Received: | 11/18/2022 | Sampling Date: | 11/17/2022 |
|-------------------|--------------------|---------------------|------------------|
| Reported: | 11/22/2022 | Sampling Type: | Soil |
| Project Name: | 4952_CHALUPA SOUTH | Sampling Condition: | Cool & Intact |
| Project Number: | 4952 | Sample Received By: | Shalyn Rodriguez |
| Project Location: | NONE GIVEN | | |

Sample ID: CS - 22 (H225463-22)

| 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 | 11/22/2022 | ND | 1.73 | 86.4 | 2.00 | 13.5 | |
| Toluene* | <0.050 | 0.050 | 11/22/2022 | ND | 1.93 | 96.7 | 2.00 | 11.6 | |
| Ethylbenzene* | <0.050 | 0.050 | 11/22/2022 | ND | 1.80 | 89.8 | 2.00 | 11.9 | |
| Total Xylenes* | <0.150 | 0.150 | 11/22/2022 | ND | 5.38 | 89.7 | 6.00 | 11.5 | |
| Total BTEX | <0.300 | 0.300 | 11/22/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 99.9 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 192 | 16.0 | 11/21/2022 | ND | 416 | 104 | 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 | 11/21/2022 | ND | 196 | 97.9 | 200 | 3.95 | |
| DRO >C10-C28* | <10.0 | 10.0 | 11/21/2022 | ND | 185 | 92.5 | 200 | 2.79 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 11/21/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 94.9 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 103 | % 46.3-17 | 8 | | | | | | |

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| DENVER CO, 80221 | |
| Fax To: | |

| Received: | 11/18/2022 | Sampling Date: | 11/17/2022 |
|-------------------|--------------------|---------------------|------------------|
| Reported: | 11/22/2022 | Sampling Type: | Soil |
| Project Name: | 4952_CHALUPA SOUTH | Sampling Condition: | Cool & Intact |
| Project Number: | 4952 | Sample Received By: | Shalyn Rodriguez |
| Project Location: | NONE GIVEN | | |

Sample ID: BF - 1 (H225463-23)

| 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 | 1.73 | 86.4 | 2.00 | 13.5 | |
| Toluene* | <0.050 | 0.050 | 11/22/2022 | ND | 1.93 | 96.7 | 2.00 | 11.6 | |
| Ethylbenzene* | <0.050 | 0.050 | 11/22/2022 | ND | 1.80 | 89.8 | 2.00 | 11.9 | |
| Total Xylenes* | <0.150 | 0.150 | 11/22/2022 | ND | 5.38 | 89.7 | 6.00 | 11.5 | |
| Total BTEX | <0.300 | 0.300 | 11/22/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 98. <i>3</i> | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | ′kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1800 | 16.0 | 11/21/2022 | ND | 416 | 104 | 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 | 11/21/2022 | ND | 196 | 97.9 | 200 | 3.95 | |
| DRO >C10-C28* | <10.0 | 10.0 | 11/21/2022 | ND | 185 | 92.5 | 200 | 2.79 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 11/21/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 98.7 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 107 | 46.3-17 | 8 | | | | | | |

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| DENVER CO, 80221 | |
| Fax To: | |

| Received: | 11/18/2022 | Sampling Date: | 11/17/2022 |
|-------------------|--------------------|---------------------|------------------|
| Reported: | 11/22/2022 | Sampling Type: | Soil |
| Project Name: | 4952_CHALUPA SOUTH | Sampling Condition: | Cool & Intact |
| Project Number: | 4952 | Sample Received By: | Shalyn Rodriguez |
| Project Location: | NONE GIVEN | | |

Sample ID: BF - 2 (H225463-24)

| 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 | 1.73 | 86.4 | 2.00 | 13.5 | |
| Toluene* | <0.050 | 0.050 | 11/22/2022 | ND | 1.93 | 96.7 | 2.00 | 11.6 | |
| Ethylbenzene* | <0.050 | 0.050 | 11/22/2022 | ND | 1.80 | 89.8 | 2.00 | 11.9 | |
| Total Xylenes* | <0.150 | 0.150 | 11/22/2022 | ND | 5.38 | 89.7 | 6.00 | 11.5 | |
| Total BTEX | <0.300 | 0.300 | 11/22/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 99.6 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | /kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 16.0 | 16.0 | 11/21/2022 | ND | 416 | 104 | 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 | 11/21/2022 | ND | 196 | 97.9 | 200 | 3.95 | |
| DRO >C10-C28* | <10.0 | 10.0 | 11/21/2022 | ND | 185 | 92.5 | 200 | 2.79 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 11/21/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 103 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 112 9 | % 46.3-17 | 8 | | | | | | |

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| DENVER CO, 80221 | |
| Fax To: | |

| Received: | 11/18/2022 | Sampling Date: | 11/17/2022 |
|-------------------|--------------------|---------------------|------------------|
| Reported: | 11/22/2022 | Sampling Type: | Soil |
| Project Name: | 4952_CHALUPA SOUTH | Sampling Condition: | Cool & Intact |
| Project Number: | 4952 | Sample Received By: | Shalyn Rodriguez |
| Project Location: | NONE GIVEN | | |

Sample ID: BF - 3 (H225463-25)

| 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 | 1.73 | 86.4 | 2.00 | 13.5 | |
| Toluene* | <0.050 | 0.050 | 11/22/2022 | ND | 1.93 | 96.7 | 2.00 | 11.6 | |
| Ethylbenzene* | <0.050 | 0.050 | 11/22/2022 | ND | 1.80 | 89.8 | 2.00 | 11.9 | |
| Total Xylenes* | <0.150 | 0.150 | 11/22/2022 | ND | 5.38 | 89.7 | 6.00 | 11.5 | |
| Total BTEX | <0.300 | 0.300 | 11/22/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 100 | % 69.9-14 | 0 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | /kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 16.0 | 16.0 | 11/21/2022 | ND | 416 | 104 | 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 | 11/21/2022 | ND | 196 | 97.9 | 200 | 3.95 | |
| DRO >C10-C28* | <10.0 | 10.0 | 11/21/2022 | ND | 185 | 92.5 | 200 | 2.79 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 11/21/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 97.2 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 106 | % 46.3-17 | 8 | | | | | | |

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| DENVER CO, 80221 | |
| Fax To: | |

| Received: | 11/18/2022 | Sampling Date: | 11/17/2022 |
|-------------------|--------------------|---------------------|------------------|
| Reported: | 11/22/2022 | Sampling Type: | Soil |
| Project Name: | 4952_CHALUPA SOUTH | Sampling Condition: | Cool & Intact |
| Project Number: | 4952 | Sample Received By: | Shalyn Rodriguez |
| Project Location: | NONE GIVEN | | |

Sample ID: BF - 4 (H225463-26)

| 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 | 1.73 | 86.4 | 2.00 | 13.5 | |
| Toluene* | <0.050 | 0.050 | 11/22/2022 | ND | 1.93 | 96.7 | 2.00 | 11.6 | |
| Ethylbenzene* | <0.050 | 0.050 | 11/22/2022 | ND | 1.80 | 89.8 | 2.00 | 11.9 | |
| Total Xylenes* | <0.150 | 0.150 | 11/22/2022 | ND | 5.38 | 89.7 | 6.00 | 11.5 | |
| Total BTEX | <0.300 | 0.300 | 11/22/2022 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 100 9 | 69.9-14 | 0 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | 'kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 192 | 16.0 | 11/21/2022 | ND | 416 | 104 | 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 | 11/21/2022 | ND | 192 | 96.0 | 200 | 0.902 | |
| DRO >C10-C28* | <10.0 | 10.0 | 11/21/2022 | ND | 196 | 98.0 | 200 | 0.514 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 11/21/2022 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 68.6 | % 45.3-16 | 1 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 69.1 | % 46.3-17 | 8 | | | | | | |

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Notes and Definitions

| QR-04 | The RPD for the BS/BSD was outside of historical limits. |
|-------|--|
| 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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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 | | | | | | | | | | | | BILL TO | | | | | | NA | IS ¹ | SRE | ANALYSIS REQUEST | IST |
|---|--|------------------------|----------------------|-------------------|----------------|----------------------------------|----------------------|----------------------|---------------------|----------------------------------|-----------|---------------------------------|---|--|-------------|-----|-----------------|-----------|--------------------------------|-----------------|-----------|------------------|---|
| Project Manager: Kyle Norman | yle Norman | | | | | | | | P.O | P.O. #: | | | | | | | | | | - | | - | |
| Address: 2620 W. | 2620 W. Marland Blvd. | | | | | | | | 0 | Company: | Iny: | Ta | Tasman Geo | | | 1 | | | s | | | | |
| city: Hobbs | State: NM Zi | Zip: 88240 | 240 | | | | | | Att | n: K | yle | Nor | Attn: Kyle Norman | | | | | | on | | - | | |
| Phone #: 575-318-5017 | 5017 Fax #: | | | | | | | | Ad | dres | s: 2 | 620 | Address: 2620 W. Marland | | | | | | ni | | | + | |
| Project #: 4952 | Project Owner: Foundation Energy | ounda | tion | Ene | rgy | | | | Cit | City: Hobbs | obb | ~ | | | | M | |)5 | s/A | | | SF | |
| Project Name: 4952_Chalupa South | Chalupa South | | | | | | | | Sta | State: NM | MM | Zip | Zip: 88240 | | es | 5 | < | 00 | ons | |) | | |
| Project Location: | | | | | | | | | Ph | Phone #: | | 75- | 575-318-5017 | | rid | 01 | E) | X1 | atio | S | | | |
| Sampler Name: Brett Dennis | tt Dennis | | | | | | | | Fau | Fax #: | | | | | lo | 8 | зт | Т | Ca | Т | łC | | |
| | W DOULD | ł | 1 | 1 | L | | | L | L | | | | | | h | Н | B | Η | (| - | н | - | |
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| Lab I.D. | Sample I.D. |)RAB OR (| # CONTAI | ROUNDWA | VASTEWAT | SOIL | OIL | SLUDGE | OTHER : | ACID/BAS | ICE / COO | OTHER | | | | | | | Com | | | | |
| Cah cipeta | | (| T | 0 | | | \square | | | | | | DATE | TIME | | | Γ | Γ | T | t | t | t | |
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| æ | CS-2 | C | - | | | × | | | | | × | | 11/17/22 | 0950 | × | | | | | | | | |
| w | CS-3 | С | 1 | | | × | | | | | × | | 11/17/22 | 0957 | × | | | | | | | | |
| 4 | CS-4 | С | 1 | | | × | | | | | × | | 11/17/22 | 1005 | × | х | X | | | | | | |
| J | CS-5 | С | 1 | | | × | | | | | × | | 11/17/22 | 1012 | × | | | | | - | | _ | |
| e | CS-6 | C | - | | | × | | | | | × | | 11/17/22 | 1017 | × | | | | | | | | |
| L | CS-7 | С | 1 | | | × | | | | | × | | 11/17/22 | 1021 | × | х | X | | | | | | |
| 2 | CS-8 | С | - | | | × | | | | | × | | 11/17/22 | 1029 | × | | | | | | | | |
| 9 | CS-9 | С | - | | | × | | | | | × | | 11/17/22 | 1034 | × | | | | | | | | |
| 10 | CS-10 | C | 1 | | | × | | | | | × | | 11/17/22 | 1040 | × | x | X | | | | | | |
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| Delivered By: (Circle One) | 10 0ne) -7.42 C-0.02 | 0 | | _ | Samp | Sample Condition Cool Intact | ondi | tion | Cool | | 우 | ECKED (Initials) | CHECKED BY: (Initials) | | | | | | | | | | |
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† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

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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

| State: NM Zip: { Fax #: Project Owner: Four | ▲ 1 → 1 # CONTAINERS | GROUNDWATER | THOIL THATER | | | | P.O. #: Company: Attn: Kyle N Address: 26 City: Hobbs State: NM Phone #: 5: Fax #: Fax #: Fax #: City: COOL City: City: C | | P.O. #: Company: Tasmal Attn: Kyle Norman Address: 2620 W. N City: Hobbs State: NM Zip: 882 State: NM Zip: 882 Phone #: 575-318 Fax #: Fax #: PRESERV. ACID/BASE: ICE / COOL CICE / CICE / | P.O. #: Company: Tasman Geo Address: 2620 W. Marland Address: 2620 W. Marland City: Hobbs State: NM Zip: 88240 Phome #: $575-318-5017$ Fax #: Fax #: TII ACID/BASE OTHER : ACID/BASE OTHER : State: NM Zip: 88240 State: NM Zip: 88240 Phome #: $575-318-5017$ Fax# Fax# TII ACID/BASE DATE TII ACID/BASE DATE TII ACID/BASE DATE TII ACID/BASE ACID/BASE DATE TII ACID/BASE ACID/ACID / TOL2 ACID/A | LING TIME 1046 1053 1102 | Chlorides | × TPH 8015 M | × BTEX | TPH TX1005 | | Complete Cations/Anions | TDS | HOLD | 24 Hour RUSH |
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| | ▲ # CONTAINERS | GROUNDWATER | MODIEWATER - | X X X X X X SOIL | | | ACID/BASE: PPP | XXXX ICE/COOL # SSE | 0THER: 75-3 | nan V. Marland 88240 318-5017 318-5017 SAMF 11/17/22 11/17/22 11/17/22 11/17/22 11/17/22 | TIME 1046 1058 11053 1111 | ××××× Chlorides | × TPH 8015 M | | | | | | HOLD | 24 Hour RUSH |
| | ▲ # CONTAINERS | GROUNDWATER | WAGTEWATER | × × × × × × × SOIL | | | ACID/BASE: PR #: UX #: | XXXX ICE/COOL #5 NM Obby | OTHER: 21 0THER: 75-520 V | V. Marland 88240 318-5017 SAMP 11/17/22 11/17/22 11/17/22 11/17/22 11/17/22 | LING TIME 1046 1058 1053 1102 | ×××× Chlorides | × TPH 8015 M | | | | | | HOLD | 24 Hour RUSH |
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| CS-17 C | 1 | | | > | - | - | | × | | 11/17/22 | 1121 | × | | | | - | _ | | | |
| CS-18 C | -1 | | | × | _ | - | | × | | 11/17/22 | 1210 | × | | | | - | _ | | | |
| CS-19 C | - | | | × | _ | - | | × | | 11/17/22 | 1215 | × | × | × | | - | - | | | |
| CS-20 C | - | | | × | - | - | | × | | 11/17/22 | 1220 | × | | | | - | - | | | |
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| 0 | - | red E | is based | | y of the | | ated rea | sons or | otherwis | | hone Result | | Yes | | | Add | I'l Pho | ne #: | | |
| | Z | | Sy: | 0 |) of the | 2 | | x sons or | otherwis | 71717 | Phone Result: Fax Result: REMARKS: | | Yes | No. | 0 | Add | Add'l Phone #: Add'l Fax #: | ne #: | | |
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Sampler - UPS - Bus - Other: -7.4°

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

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Sample Condition Cool

CHECKED BY: Initials

geo.com; cflores@tasman-geo.com

Delivered By: (Circle One)

Time: 7

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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Sampler - UPS - Bus - Other: -7.4%

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Sample Condition Cool Intact

(Initials)

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

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A YES & Yes

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: |
|-----------------------------------|---|
| FOUNDATION ENERGY MANAGEMENT, LLC | 370740 |
| 5057 KELLER SPRINGS RD | Action Number: |
| ADDISON, TX 75001 | 185321 |
| | Action Type: |
| | [C-141] Release Corrective Action (C-141) |

CONDITIONS

| CONDITIONS | | |
|---------------|--|-------------------|
| Created By | Condition | Condition Date |
| bhall | Confirmation samples must be representative of no more than 400 square feet. | 2/13/2023 |
| bhall | The area of Backfill-1, HA-5, HA-6, and HA-7 must be remediated and reclaimed per 19.15.29 NMAC. | 2/13/2023 |

CONDITIONS

Page 57 of 57

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Action 185321