

Incident ID	nAPP2222951347
District RP	
Facility ID	
Application ID	

Closure

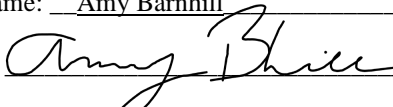
The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: *Each of the following items must be included in the closure report.*

- ☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☒ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Amy Barnhill Title: Water Specialist

Signature:  Date: 6-29-23

email: Abarnhill@chevron.com Telephone: 432-687-7108

OCD Only

Received by: _____ Date: _____

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

Brad Alker
13026 Vivienne Westmoreland Dr.
Cypress, TX 77429
(713) 447-2433
Brad.alker@en-closure.com

en-closure

May 19, 2023

Mr. Les Teague
NexTier Completion Solutions, Inc.
3990 Rogerdale
Houston, TX 77042

Re: Chevron Sand Dunes Pad 4 Site Activities Report
Loving, NM

Dear Mr. Teague:

En-closure, LLC (en-closure) has completed the soil assessment for NexTier Completions Solutions, Inc. (NexTier) to address the hydrochloric (HCl) acid release that occurred at Chevron's Sand Dunes Pad 4 wellsite on August 7, 2022.

En-closure was contracted by NexTier to conduct a soil assessment of the HCl acid spill that occurred on Chevron's Sand Dunes Pad 4 wellsite pad located southeast of Loving, NM. One of NexTier's Frac Operations personnel observed a small HCl acid stream emanating from the staged HCl acid tanker on location, which resulted in the release of approximately 69 barrels (2,898 gallons) of HCl acid into the tanker's secondary containment and a portion onto the ground. Approximately 59 barrels (2,478 gallons) of 36% HCl acid was captured in the secondary containment. In addition, approximately 10 barrels (420 gallons) of HCl acid spilled onto the ground but, remained on the engineered well pad. Following removal of the HCl acid from the tanker and the tanker containment, approximately 30 cubic yards of soil was excavated and placed in roll off boxes for transport and disposal to the J&L Landfarm (Permit #NM-01-0023).

Site Assessment Plan:

Per the previously submitted site assessment plan of September 26, 2022, the area of the hydrochloric acid spill was grided into fifty-six (56) cells, each being 10 feet by 15 feet long in accordance with New Mexico (NM) Oil Conservation Division's (OCD's) sampling guidance using the GPS readings made of the extent of the spill in August 2022. The site assessment plan was approved by NM OCD on January 23, 2023 and is included as an attachment. Proposed soil borings would be placed in the middle of each of the 56 grids. Three samples would be collected from each boring, a surface sample at 0.0 to 0.5 feet bgs, an intermediate sample from 1.5 to 2.0 feet bgs, and a sample from 3.5 to 4.0 feet bgs. The samples would be analyzed for the NM OCD spill criteria.

NM OCD spill assessment criteria requires sampling for benzene, toluene, ethyl benzene, xylenes (BTEX) by EPA Method 8260B and total petroleum hydrocarbon (TPH-8015M) analyses. In discussion with Ms. Jocelyn Harimon, NexTier requested to limit the number of BTEX and TPH samples collected since the spill occurred on a standby pad and did not involve a hydrocarbon release. NexTier proposed to collect a limited number of soil samples that would demonstrate a geographically representative and statistically valid number of samples analyzed for BTEX and TPH rather than analyzing the entire grid for

constituents that would not have been released from a virgin acid spill. Per Ms. Jocelyn Harimon's February 1, 2023 attached email response, NM OCD agreed to NexTier's request to reduce the number of samples analyzed for benzene, BTEX and TPH, and asked for the data to be included in the report along with a written variance request.

Site Assessment Activities

On March 29, 2023, Talon contacted New Mexico 811 to conduct underground utility clearances. No underground utilities were identified in the vicinity of the proposed grid sampling. On April 3, 2022, enclosure personnel met with Chevron Safety and Talon LPE (Talon) to review Chevron's safety policies, review the applicable Job Safety Analysis (JSA) for the proposed operation of Talon's truck-mounted Geoprobe rig. Talon personnel presented their JSA for subsurface investigation work and discussed potential hazards associated with working around the Geoprobe rig.

Talon utilized a truck-mounted Geoprobe rig to hydraulically push the core barrel to a proposed depth of 4 feet below ground surface (ft. bgs). Due to the presence of hard caliche in the subsurface, the Geoprobe rig only attained a depth of 2 ft bgs for all the 56 soil borings. Upon completion of the soil borings, the boreholes were backfilled with the remaining excess soil and bentonite filled up to ground surface and hydrated to provide an effective seal of the boreholes.

Soil samples were collected from 0 to 0.5 ft bgs and from 1.5 to 2.0 ft bgs at each of the 56 boring locations. The samples were placed into laboratory method appropriate containers and persevered on ice prior to delivery to Cardinal Labs in Hobbs, NM on April 5, 2023.

All of the 56 soil samples from the 0 to 0.5 ft bgs interval were analyzed for chlorides by SM4500Cl-B and pH. The deeper soil sample intervals were also submitted to the lab but placed on hold pending analytical results of the 0 to 0.5 ft bgs interval. Eight samples were selected from grid points 1, 7, 24, 25, 31, 32, 50 and 56 for BTEX and TPH analysis.

Following preliminary analyses of the shallow soil samples, all of the soil samples collected from the 1.5 to 2.0 ft bgs were tested for chloride analysis to confirm soil concentrations below the established New Mexico closure criteria for soils impacted by releases.

Additionally, during the investigation soil samples collected from each of the soil borings were field titrated by Talon to estimate soil chloride concentrations. Field titration analysis showed chloride concentrations ranging from 40 parts per million (ppm) to 280 ppm.

Analytical Results

Summary tables of the analytical results are presented in Tables 1, 2 and 3. The analytical results were compared to the constituent soil concentrations shown in Table 1 of 19.15.29.12 NMAC for groundwater depths less than 50 ft. bgs. A proposed water well located less than ½ mile northwest of the spill area was completed by Oxy to a depth of 110 ft bgs in November 2022. No groundwater was encountered in this water well. A copy of the well record and log is included as an attachment to this report. The established restoration/reclamation criteria for chlorides is 600 mg/kg, 10 mg/kg for benzene, 50 mg/kg for total BTEX, and 100 mg/kg for TPH _{GRO+DRO}.

Analysis of chlorides in soil for the 0 to 0.5 ft bgs depth interval reported an average concentration of 127 mg/kg with a maximum concentration of 448 mg/kg. Analysis of chlorides in soil for the 1.5 to 2.0 ft bgs depth interval reported an average concentration of 49 mg/kg with a maximum concentration of 144 mg/kg. All of the laboratory reported soil concentrations for chlorides were below the 600 mg/kg closure criteria for groundwater depths less than 50 ft bgs.

Analyses of the samples collected from the 0 to 0.5 ft bgs depth interval showed no detectable concentrations of BTEX. One soil sample collected from soil borings SB-56 showed a reportable TPH DRO concentration of 75 mg/kg, which is below the 100 mg/kg closure criteria for DRO TPH in Table 1 of 19.15.29.12 NMAC for groundwater depths less than 50 ft bgs. The remaining seven soil samples showed no reportable TPH concentrations in soil.

En-closure has completed the soil assessment of the August 7, 2022 hydrochloric acid spill. Based on the analytical results, reported concentrations of all constituents of concern were below the most stringent NMAC closure criteria for groundwater depths less than 50 ft bgs. In accordance with 19.15.29.12 NMAC, the soil assessment demonstrates that the initial response action mitigated the release and that the closure criteria have been met. As such NexTier should submit this report and request closure of this hydrochloric acid from the State of New Mexico.

Respectfully Submitted,



Brad Alker
Project Manager, en-closure

EC: Amy Barnhill
Don Dunbar

Attachments: Table 1 – Summary of Soil Analytical Results – Chlorides
Table 2 – Summary of Soil Analytical Results – pH
Table 3 - Summary of Soil Analytical Results – TPH and BTEX
Figure 1 – Chevron Sand Dunes 4 Site Map
Figure 2 – Chevron Sand Dunes 4 Aerial View of Hydrochloric Acid Spill
Figure 3 – Chevron Sand Dunes 4 Aerial View with Sampling Grid
Figure 4 – Chevron Sand Dunes 4 Sampling Grid with Chloride Concentrations
NM OCD Email Variance Request
NM OCD Email Site Assessment Approval
NM OCD Form C-141 Site Assessment/Characterization
Cardinal Laboratories Analytical Report
Photo Log
Water Well Record and Log

TABLES

TABLE 1 - SUMMARY OF SITE ASSESSMENT ANALYTICAL RESULTS
 CHLORIDES
 CHEVRON SAND DUNES PAD 4
 LOVING, NEW MEXICO

Soil Boring ID	Depth (ft.bgs)	Chlorides
	Closure Criteria Level	600*
	Units	mg/kg
SB-1	0 - 0.5	48
SB-1	1.5 - 2.0	144
SB-2	0 - 0.5	96
SB-2	1.5 - 2.0	32
SB-3	0 - 0.5	96
SB-3	1.5 - 2.0	32
SB-4	0 - 0.5	144
SB-4	1.5 - 2.0	48
SB-5	0 - 0.5	160
SB-5	1.5 - 2.0	48
SB-6	0 - 0.5	96
SB-6	1.5 - 2.0	32
SB-7	0 - 0.5	48
SB-7	1.5 - 2.0	32
SB-8	0 - 0.5	80
SB-8	1.5 - 2.0	32
SB-9	0 - 0.5	128
SB-9	1.5 - 2.0	32
SB-10	0 - 0.5	128
SB-10	1.5 - 2.0	32
SB-11	0 - 0.5	448
SB-11	1.5 - 2.0	32
SB-12	0 - 0.5	112
SB-12	1.5 - 2.0	16
SB-13	0 - 0.5	64
SB-13	1.5 - 2.0	32
SB-14	0 - 0.5	128
SB-14	1.5 - 2.0	64
SB-15	0 - 0.5	48
SB-15	1.5 - 2.0	64
SB-16	0 - 0.5	144
SB-16	1.5 - 2.0	80
SB-17	0 - 0.5	64
SB-17	1.5 - 2.0	48
SB-18	0 - 0.5	96
SB-18	1.5 - 2.0	32
SB-19	0 - 0.5	96
SB-19	1.5 - 2.0	32
SB-20	0 - 0.5	80
SB-20	1.5 - 2.0	32
SB-21	0 - 0.5	48
SB-21	1.5 - 2.0	32
SB-22	0 - 0.5	112
SB-22	1.5 - 2.0	48
SB-23	0 - 0.5	160
SB-23	1.5 - 2.0	80
SB-24	0 - 0.5	112
SB-24	1.5 - 2.0	80
SB-25	0 - 0.5	256
SB-25	1.5 - 2.0	80
SB-26	0 - 0.5	320
SB-26	1.5 - 2.0	48
SB-27	0 - 0.5	48
SB-27	1.5 - 2.0	32
SB-28	0 - 0.5	64
SB-28	1.5 - 2.0	48
SB-29	0 - 0.5	80
SB-29	1.5 - 2.0	80

TABLE 1 - SUMMARY OF SITE ASSESSMENT ANALYTICAL RESULTS
 CHLORIDES
 CHEVRON SAND DUNES PAD 4
 LOVING, NEW MEXICO

Soil Boring ID	Depth (ft.bgs)	Chlorides
	Closure Criteria Level	600*
	Units	mg/kg
SB-30	0 - 0.5	128
SB-30	1.5 - 2.0	48
SB-31	0 - 0.5	112
SB-31	1.5 - 2.0	80
SB-32	0 - 0.5	112
SB-32	1.5 - 2.0	16
SB-33	0 - 0.5	224
SB-33	1.5 - 2.0	<16
SB-34	0 - 0.5	64
SB-34	1.5 - 2.0	<16
SB-35	0 - 0.5	144
SB-35	1.5 - 2.0	32
SB-36	0 - 0.5	80
SB-36	1.5 - 2.0	48
SB-37	0 - 0.5	176
SB-37	1.5 - 2.0	48
SB-38	0 - 0.5	112
SB-38	1.5 - 2.0	64
SB-39	0 - 0.5	96
SB-39	1.5 - 2.0	64
SB-40	0 - 0.5	192
SB-40	1.5 - 2.0	32
SB-41	0 - 0.5	160
SB-41	1.5 - 2.0	64
SB-42	0 - 0.5	64
SB-42	1.5 - 2.0	32
SB-43	0 - 0.5	96
SB-43	1.5 - 2.0	80
SB-44	0 - 0.5	128
SB-44	1.5 - 2.0	48
SB-45	0 - 0.5	112
SB-45	1.5 - 2.0	64
SB-46	0 - 0.5	96
SB-46	1.5 - 2.0	48
SB-47	0 - 0.5	144
SB-47	1.5 - 2.0	48
SB-48	0 - 0.5	80
SB-48	1.5 - 2.0	48
SB-49	0 - 0.5	112
SB-49	1.5 - 2.0	48
SB-50	0 - 0.5	176
SB-50	1.5 - 2.0	64
SB-51	0 - 0.5	64
SB-51	1.5 - 2.0	48
SB-52	0 - 0.5	128
SB-52	1.5 - 2.0	48
SB-53	0 - 0.5	320
SB-53	1.5 - 2.0	64
SB-54	0 - 0.5	128
SB-54	1.5 - 2.0	32
SB-55	0 - 0.5	112
SB-55	1.5 - 2.0	48
SB-56	0 - 0.5	224
SB-56	1.5 - 2.0	48

ft bgs - feet below ground surface

* - NMOCC constituent criteria level for soils impacted by a release for groundwater depths less than 50 feet

TABLE 2 - SUMMARY OF SITE ASSESSMENT ANALYTICAL RESULTS
 PH
 CHEVRON SAND DUNES PAD 4
 LOVING, NEW MEXICO

Soil Boring ID	Depth (ft.bgs)	pH
SB-1	0 - 0.5	8.24
SB-2	0 - 0.5	8.39
SB-3	0 - 0.5	8.38
SB-4	0 - 0.5	8.43
SB-5	0 - 0.5	8.36
SB-6	0 - 0.5	8.60
SB-7	0 - 0.5	8.45
SB-8	0 - 0.5	8.50
SB-9	0 - 0.5	8.52
SB-10	0 - 0.5	8.21
SB-11	0 - 0.5	8.12
SB-12	0 - 0.5	8.19
SB-13	0 - 0.5	8.39
SB-14	0 - 0.5	8.27
SB-15	0 - 0.5	8.28
SB-16	0 - 0.5	8.35
SB-17	0 - 0.5	8.46
SB-18	0 - 0.5	8.13
SB-19	0 - 0.5	8.25
SB-20	0 - 0.5	8.55
SB-21	0 - 0.5	8.17
SB-22	0 - 0.5	8.26
SB-23	0 - 0.5	8.28
SB-24	0 - 0.5	8.30
SB-25	0 - 0.5	8.15
SB-26	0 - 0.5	8.05
SB-27	0 - 0.5	8.41
SB-28	0 - 0.5	8.48
SB-29	0 - 0.5	8.07
SB-30	0 - 0.5	8.22
SB-31	0 - 0.5	8.25
SB-32	0 - 0.5	8.45
SB-33	0 - 0.5	7.96
SB-34	0 - 0.5	8.21
SB-35	0 - 0.5	8.26
SB-36	0 - 0.5	8.07
SB-37	0 - 0.5	8.19
SB-38	0 - 0.5	7.95
SB-39	0 - 0.5	8.15
SB-40	0 - 0.5	7.98
SB-41	0 - 0.5	8.16
SB-42	0 - 0.5	8.26
SB-43	0 - 0.5	8.12
SB-44	0 - 0.5	8.16
SB-45	0 - 0.5	8.27
SB-46	0 - 0.5	8.27
SB-47	0 - 0.5	7.95
SB-48	0 - 0.5	8.33
SB-49	0 - 0.5	8.21
SB-50	0 - 0.5	8.19
SB-51	0 - 0.5	7.91
SB-52	0 - 0.5	8.32
SB-53	0 - 0.5	8.08
SB-54	0 - 0.5	8.24
SB-55	0 - 0.5	8.21
SB-56	0 - 0.5	8.28

ft bgs - feet below ground surface

TABLE 3 - SUMMARY OF SITE ASSESSMENT ANALYTICAL RESULTS
 TPH AND BTEX
 CHEVRON SAND DUNES PAD 4
 LOVING, NEW MEXICO

	Closure Criteria Level	Total Petroleum Hydrocarbons			BTEX				
		GRO	DRO	EXT DRO	Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX
		C6-C10	C10 - C-28	C28 - C36					
		100*	100*	100*	10*				50*
Soil Boring	Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
ID	Depth (ft.bgs)								
SB-1	0 - 0.5	<10	<10	<10	<0.025	<0.025	<0.025	<0.075	<0.150
SB-7	0 - 0.5	<10	<10	<10	<0.025	<0.025	<0.025	<0.075	<0.150
SB-24	0 - 0.5	<10	<10	<10	<0.025	<0.025	<0.025	<0.075	<0.150
SB-25	0 - 0.5	<10	<10	<10	<0.025	<0.025	<0.025	<0.075	<0.150
SB-31	0 - 0.5	<10	<10	<10	<0.025	<0.025	<0.025	<0.075	<0.150
SB-32	0 - 0.5	<10	<10	<10	<0.025	<0.025	<0.025	<0.075	<0.150
SB-50	0 - 0.5	<10	<10	<10	<0.025	<0.025	<0.025	<0.075	<0.150
SB-56	0 - 0.5	<10	78.4	<10	<0.025	<0.025	<0.025	<0.075	<0.150

ft bgs - feet below ground surface

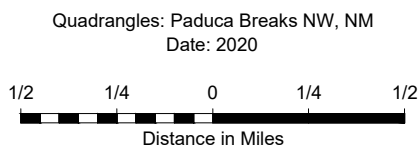
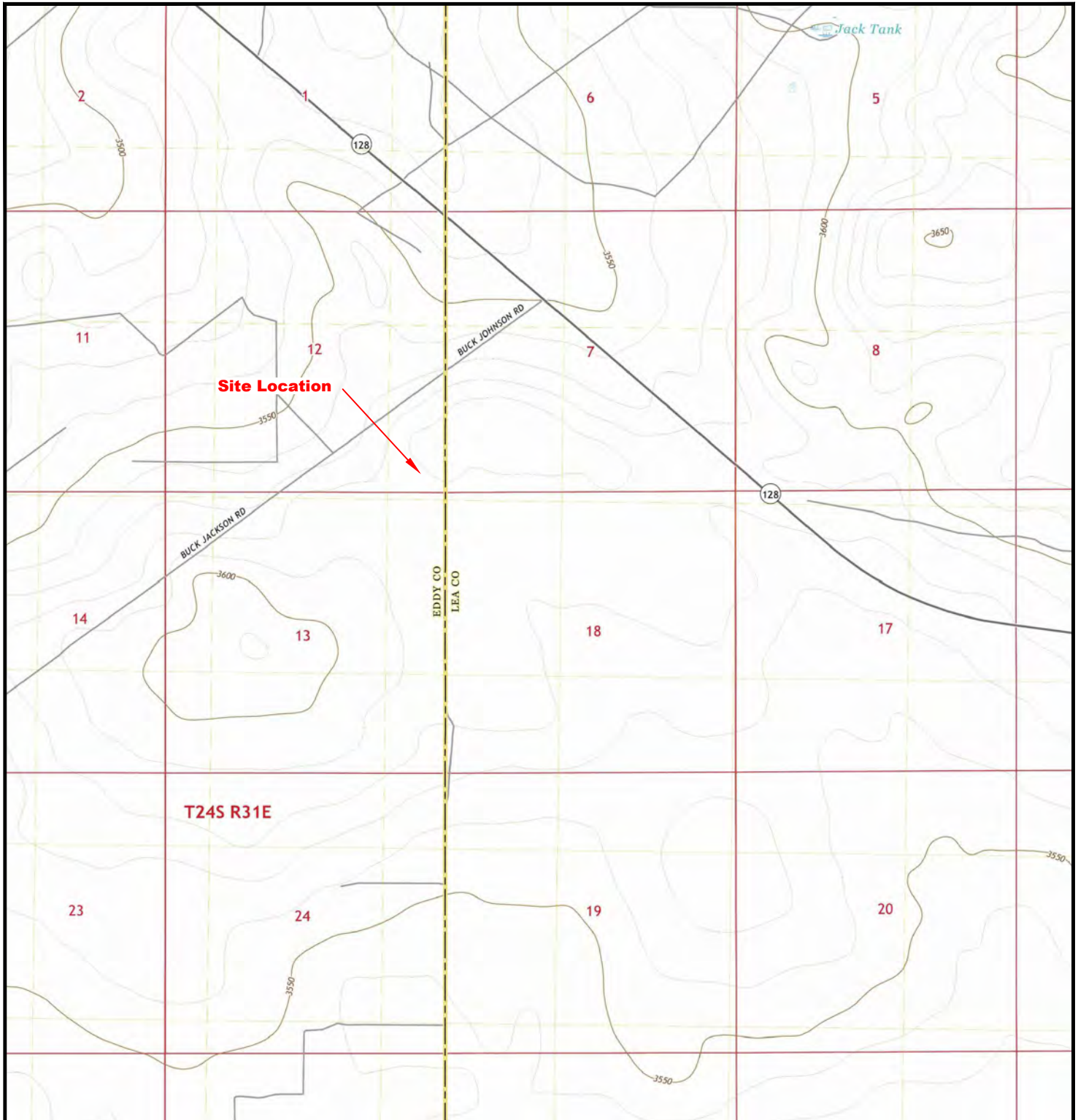
GRO - gasoline range organics

DRO - diesel range organics

* - NMOCC constituent criteria level for soils impacted by a release for groundwater depths less than 50 feet.

<0.025 - the constituent was not detected above the laboratory reporting limit.

FIGURES





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Figure 1
Site Location Map
Chevron Sand Dunes 4
Loving, New Mexico

DATE: 05/2023



LEGEND:

-  - Approximate Spill Area
-  - Auxiliary Pad. Auxiliary Pad was Expanded on Pad 4 Post Spill/Release.

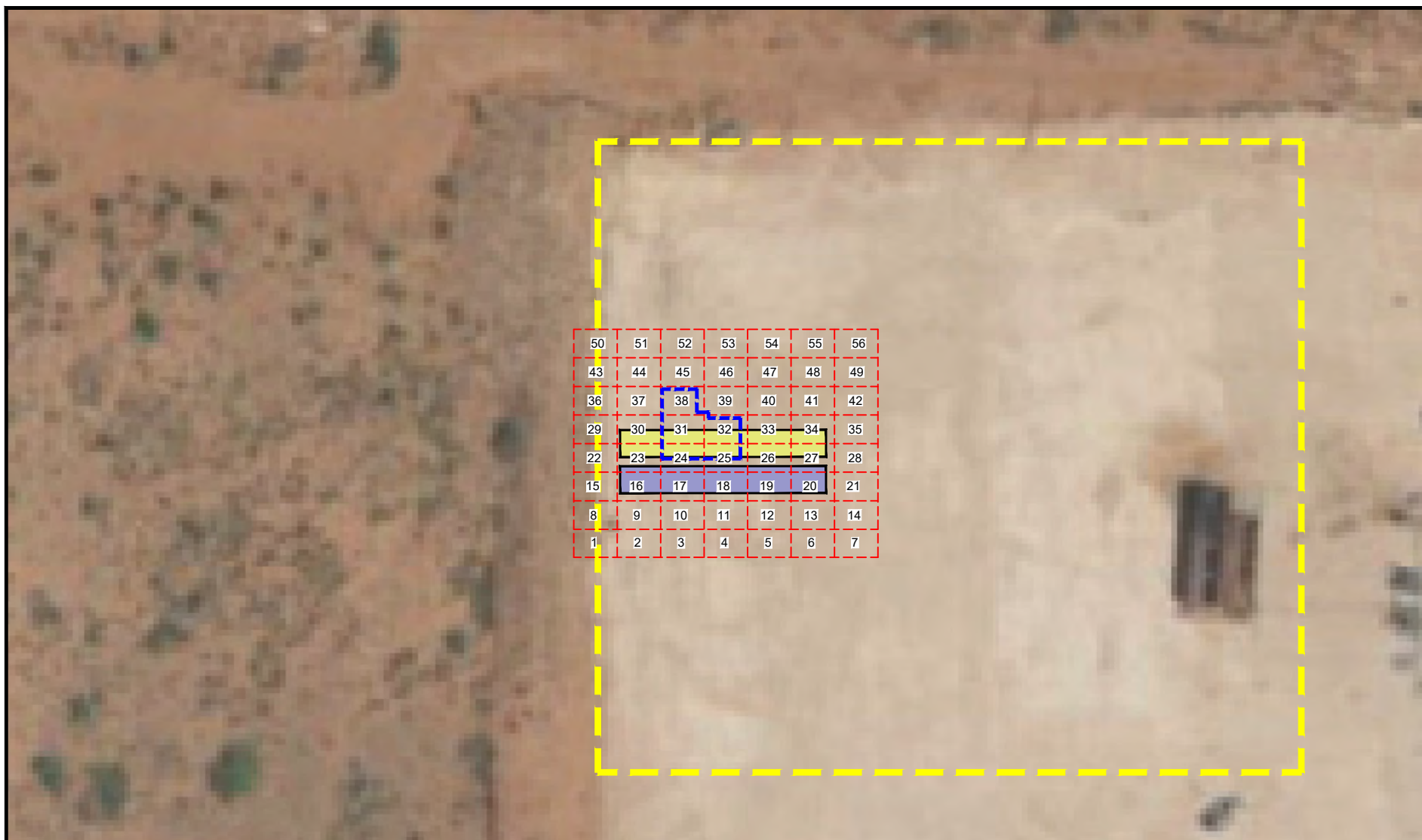
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Feet



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Figure 2
Aerial View of Hydrochloric Acid Spill
Chevron Sand Dunes 4
Loving, New Mexico

DATE: 05/2023

LEGEND:

- - - - - Sampling Grid Area
- - - - - Approximate Spill Area
- NexTier Pump Unit
- Acid Tanker/Containment
- - - - - Auxiliary Pad. Auxiliary Pad was Expanded on Pad 4 Post Spill/Release.

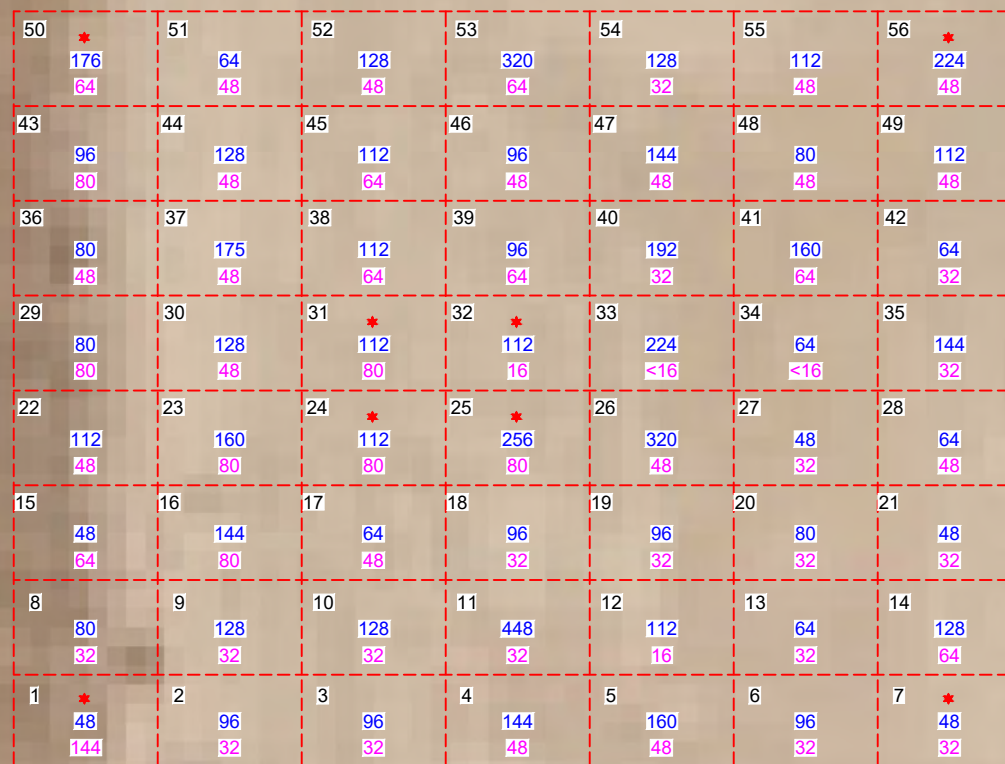
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Feet



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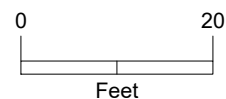
Figure 3
Aerial View with Sampling Grid
Chevron Sand Dunes 4
Loving, New Mexico

DATE: 05/2023

**LEGEND:**

- - - - - Sampling Grid Area
- 20 - Grid Number
- 112 - Chloride Concentration in mg/kg
(0.0 to 0.5 FT BGS.) Average Concentration - 127 mg/kg
- 32 - Chloride Concentration in mg/kg
(1.5 to 2.0 FT BGS.) Average Concentration - 49 mg/kg
- * - Samples Collected for BTEX and TPH Analysis

Chloride Closure Criteria - 600 mg/kg



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Figure 4
Sampling Grid with Chloride Concentrations
Chevron Sand Dunes 4
Loving, New Mexico

DATE: 05/2023

PHOTO LOG

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NexTier
Chevron Sand Dunes 4
Lovington, NM
Photo Log 05/2023

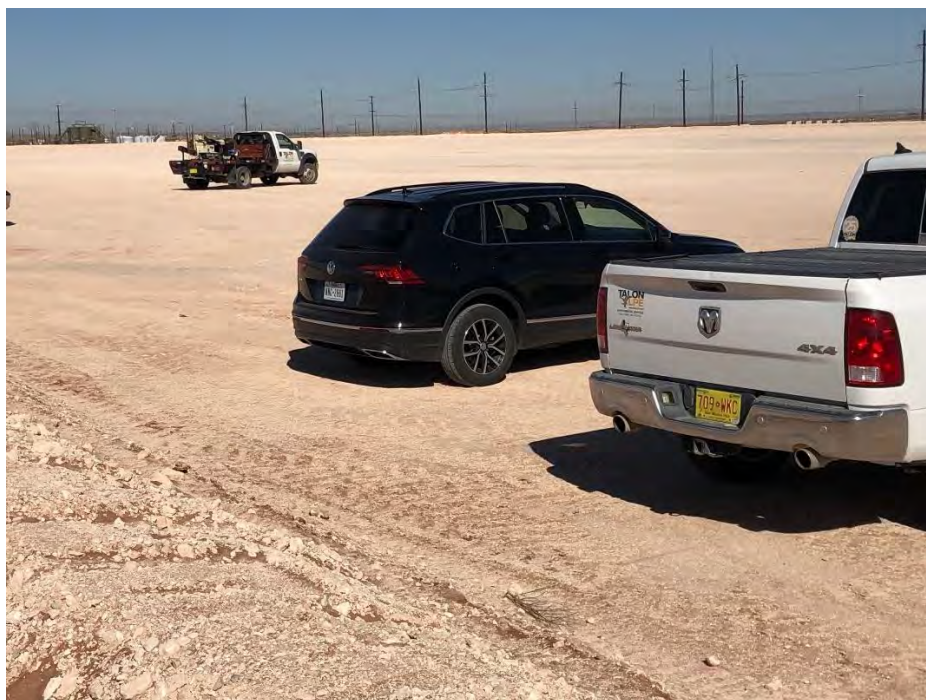


Photo 1. View of vehicles and Geoprobe rig at the Chevron Sand Dunes 4 Auxiliary Pad



Photo 2. View to the northeast of the soil sampling grid prior to drilling activities

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NexTier
Chevron Sand Dunes 4
Lovington, NM
Photo Log 05/2023



Photo 3. View to the southeast of the sampling grid area



Photo 4. View to east of northwest corner of the sampling grid

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NexTier
Chevron Sand Dunes 4
Lovington, NM
Photo Log 05/2023



Photo 5. View of a Geoprobe sample core from 0 to 2 ft bgs



Photo 6. View of drilling contractor filling completed boreholes with bentonite

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NexTier
Chevron Sand Dunes 4
Lovington, NM
Photo Log 05/2023



Photo 7. View of a borehole filled with bentonite



Photo 8. View to the west of boreholes filled with bentonite and hydrated to ensure an effective seal

NEXTIER-NM OCD EMAIL CORRESPONDENCE

From: "Harimon, Jocelyn, EMNRD" <Jocelyn.Harimon@emnrd.nm.gov>
Date: February 1, 2023 at 12:02:52 PM CST
To: Don Dunbar <don.dunbar@en-closure.com>
Cc: "Barnhill, Amy" <ABarnhill@chevron.com>, Les Teague <Les.Teague@nextierofs.com>, "Bratcher, Michael, EMNRD" <mike.bratcher@emnrd.nm.gov>
Subject: RE: [EXTERNAL] Request for variance on sampling criteria - nAPP2222951347 Carlsbad School Lands Acid Release

Good morning Mr. Dunbar,

Thank you for your email.

As we must work within the framework of the Rule which states "the samples must be analyzed for the constituents listed in Table I of [19.15.29.12](#) NMAC or constituents from other applicable remediation standards" and requires all samples to be tested for Chlorides, TPH, BTEX, and Benzene, the OCD will require a few representative samples testing for all the constituents listed in Table I. Please submit the results of this sampling as an application for Remediation, through the permitting portal, with the corresponding C-141 pages as well as a written request for Variance based on the sampling results.

If you have any further questions please feel free to contact me.

Jocelyn Harimon

Jocelyn Harimon • Environmental Specialist
Environmental Bureau
EMNRD - Oil Conservation Division
1220 South St. Francis Drive | Santa Fe, NM 87505
(505)469-2821 | Jocelyn.Harimon@emnrd.nm.gov
[http:// www.emnrd.nm.gov](http://www.emnrd.nm.gov)



From: Don Dunbar <don.dunbar@en-closure.com>
Sent: Monday, January 30, 2023 2:52 PM
To: Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@emnrd.nm.gov>
Cc: Barnhill, Amy <ABarnhill@chevron.com>; Les Teague <les.teague@nextierofs.com>
Subject: [EXTERNAL] Request for variance on sampling criteria - nAPP2222951347 Carlsbad School Lands Acid Release

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Ms. Harimon: Per our conversation of January 30, 2023, NexTier would like to request a variance to the closure sample criteria for our incident nAPP2222951347. The release occurred on and was confined to

a newly constructed standby pad that was only used for staging well operations on a near by pad. The release occurred when a tanker containing virgin hydrochloric acid lost integrity and released acid into and around the containment pads. There was no hydrocarbon release. The submitted assessment plan is focused on the delineation and mitigation of the acid release – using pH and chlorides as the constituents of concern and involves over 50 borings with up to 3 samples per boring to provide vertical and horizontal delineation. We are requesting that agency allow us to limit the assessment to the constituents of concern, specifically pH and Chlorides and exclude the remaining constituent on the Table 1 .

Please let me know if you have any questions about this request.

Thanks

Don

Don Dunbar, P.G.
en-closure, llc
don.dunbar@en-closure.com
713-504-2873
P.O. Box 5336
San Angelo, TX 76902

----- Forwarded message -----

Date: Jan 23, 2023 at 12:29 PM -0600

To: OCDOnline@state.nm.us

To whom it may concern (c/o Amy Barnhill for CHEVRON U S A INC),

The OCD has approved the submitted *Application for administrative approval of a release notification and corrective action* (C-141), for incident ID (n#) nAPP2222951347, with the following conditions:

- **When nearby wells are used to determine depth to groundwater, the wells should be no further than ½ mile away from the site, and data should be no more than 25 years old, and well construction information should be provided. If evidence of depth to ground water within a ½ mile radius of the site cannot be provided, impacted soils will need to meet Table 1 Closure Criteria for ground water at a depth of 50 feet or less. Please make sure all groundwater data is included in closure report summary. Soil samples will need to meet Table 1 Closure Criteria for proven depth to water determination. Closure samples should be representative of no more than 200 ft², unless a variance has been approved. The samples must be analyzed for all constituents listed in Table I of 19.15.29.12 NMAC. Please make sure the edges/sidewalls are delineated to 600 mg/kg for chlorides and 100 mg/kg for TPH, defining the edge of the release.**

The signed C-141 can be found in the OCD Online: Imaging under the incident ID (n#).

If you have any questions regarding this application, please contact me.

Thank you,
Jocelyn Harimon
Environmental Specialist
575-748-1283
Jocelyn.Harimon@emnrd.nm.gov

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

Incident ID	nAPP2222951347
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?	- >100* (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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

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

- ☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☒ Field data
- ☒ Data table of soil contaminant concentration data
- ☒ 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.

State of New Mexico
Oil Conservation Division

Page 4

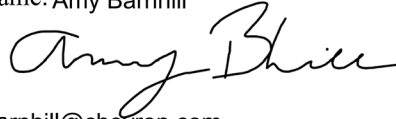
Incident ID	nAPPP2222951347
District RP	
Facility ID	
Application ID	

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Amy Barnhill

Title: Water Advisor

Signature:



Date: 10-19-22

email: ABarnhill@chevron.com

Telephone: 432-687-7108

OCD Only

Received by: Jocelyn Harimon

Date: 10/24/2022

Don Dunbar
PO Box 5336
San Angelo, TX 76902-5336
713-504-2873
don.dunbar@en-closure.com

en-closure

September 26, 2022
Preliminary Site Assessment Plan
36% HCl impact on the Chevron Carlsbad School Lands (32.22567, -103.724320)
P, Section 12, T24S, R31E, Eddy County, New Mexico
Incident # nAPP2222951347

The following is a proposed site assessment plan to address the acid tanker leak on the Carlsbad School Land staging pad. The proposed assessment will provide vertical and horizontal delineation of the associated pH and Chlorides from the release to the shallow soil. The data from the assessment will be used to prepare a remediation plan that will be presented for approval.

Release incident: On Sunday, August 7, 2022, a contracted Acid Tanker parked in secondary containment on the above referenced staging pad developed a leak which resulted in the release of approximately 10 bbls/ 420 gal were released to the pad surface. The pad was newly constructed and does not appear on current maps.

The estimated volume is based on the tanker capacity of 107 bbls/ 4494 gals and post release volume of 38 bbls/ 1596 gals measured in the tanker. Approximately 59 bbls/ 2478 gal of the released material was captured in secondary containment and the remaining 10 bbls/ 420 gal were released to the pad surface. The spill was confined to the pad and near surface soils 0-0.5 feet below ground surface (bgs).

Emergency response measures were undertaken. The free liquids were recovered using a vacuum truck and placed into an empty chemical tanker. The impacted area was then neutralized to a pH of 6 and approximately 30 cubic yards of neutralized soil was excavated and placed in a roll off boxes for transport to J& L Landfarm (Permit #NM-01-0023). Photo documentation of the pH screening is attached as Figures 2 and 3. The bills of lading for the soil transport and disposal are attached.

Assessment Plan: The affected area appears to be approximately 30 x 30 feet based on the location of the containment pads of the Acid Tanker and NexTier Pump. NexTier proposes to assess an area of approximately 80 feet by 70 feet on 10 foot- grid spacings. This would provide assessment coverage extending 20 feet beyond the visible impact. The proposed sampling grid is attached.

The assessment will consist of a series of 56 geoprobe borings. Each boring will be installed in the center of each 10 x 10 grid. Each boring will be advanced to a depth of 4 feet below ground surface. Soil samples will be collected continuously. Select intervals (0.0-0.5', 1.5-2.0' and 3.5-4.0') will be field screened and preserved for laboratory analysis.

Field screening: Field screening will include chlorides titration and field measurements of pH.

Laboratory Analysis: Laboratory Analysis will be performed at Cardinal Laboratories in Hobbs for Chlorides using method SM 4500CL-B and pH using method SW846-9040B. Sample analysis will be performed incrementally by depth interval. All the surface soil samples (0.0-0.5' bgs) will be analyzed on a 48 hour turn around. These results will be screened against OCD cleanup criteria for chlorides. If there are sampling points that exceed the clean-up criteria; their subsequent midlevel samples (1.5- 2.0' bgs) will be analyzed on a 48 hour turn around. If there are mid-level interval exceedances, the samples from 3.5 -4.0 from the locations with exceedances will be analyzed on a 48 hour turn around. This will NexTier to analyze the initial samples and any subsequent vertical and horizontal samples required to complete delineation within the laboratory method hold time.

Screening and Cleanup Standards: The spill was limited to the pad. There were no surface or groundwater receptors (as described in the C-141 Site Assessment form) observed in the area around the location. Water well data from the USGS, State Engineer, and from the closest assessment boring indicate that ground water is likely

Chevron Carlsbad Municipal Schools NM
Acid Release Site Assessment Plan

deeper than 100 feet below grade, however, there is no current depth to groundwater data available within 1.25 miles of the site.

Chevron provided the following USGS well data.

Well	Lat	Long	DTW	Distance from Spill
USGS1	32°16'48.00"N	103°48'19.20"W	138'	6.04 miles
USGS2	32°16'11.90"N	103°45'1.20"W	250'	3.40 miles
USGS3	32°13'34.00"N	103°49'49.00"W	367'	6.16 miles
USGS4	32°13'14.10"N	103°48'23.40"W	56'	4.80 miles
USGS5	32°12'3.00"N	103°51'19.80"W	423"	7.80 miles
USGS6	32°10'38.20"N	103°46'53.00"W	474	4.66 Miles

Additionally, Chevron provided data from a boring made in advance of construction of the Sand Dunes Frac Pond. The boring was advanced to 85' bgs but did not encounter groundwater in the boring.

TetraTech -

Sand Dunes Frac Pond

Boring B-1	32°13'39.54"N	103°45'15.52.00W	>85'	1.8 miles
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The following wells were located within the New Mexico Engineer's Office Database for the subject Township 24S and Range 31E and contained location and depth to water information.

C-2464	32.24775	103.75117	205	2.17 miles
C-4388	32.2064944	103.752775	868	1.86 miles
C-4576	32.20935	103.75111	850	2.08 miles

Screening will be initially performed using a Chlorides concentration of 600 mg/kg. If the initial analytical results show that there are a limited number of samples exceeding this standard, NexTier plans to perform targeted excavation around the exceedances. If there are a significant number of exceedances of the 600 mg/kg chlorides criteria, NexTier will install a boring and establish the depth to groundwater and then re-evaluate the clean-up standard.

A detailed remediation proposal which will include the field screening and analytical results presented in tables and on the grid maps will be submitted for approval upon completion of the assessment plan and determination of the target clean up goals.

Please contact me at 713-504-2873 if you have any questions about this plan.



Don Dunbar, P.G. Manager

Chevron Carlsbad Municipal Schools NM
Acid Release Site Assessment Plan

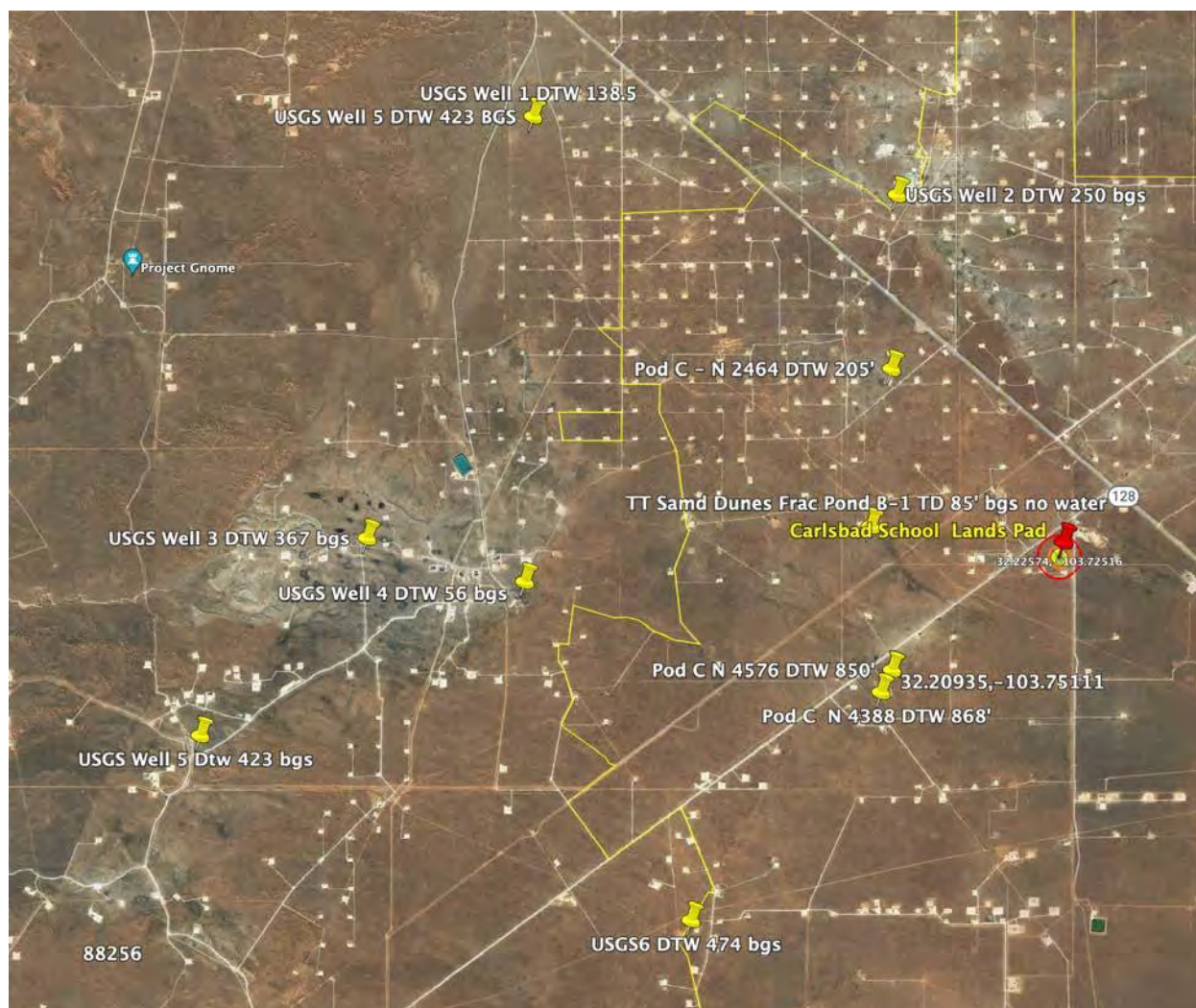
What is the shallowest depth to groundwater beneath the area affected by the release? <i>Data from the State Engineer's office and an EDR Database Search show the closest water wells are within 1.5 to 2 miles and have a depth to water >100'</i>	<u>>100*</u> (ft bgs)
Did this release impact groundwater or surface water? <i>Spill contained to the surface and near surface soil <0.5 bgs</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse? <i>Lateral extents of release confined to pad – no water course observed</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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)? <i>No lake beds, sink holes, or playas observed within search radius</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church? <i>No occupied residence, school, hospital, institution, or church has been observed within the search radius</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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? <i>No domestic freshwater wells identified within 500 feet of pad</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring? <i>No fresh water wells or springs were observed</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland? <i>No wetlands observed within 300 of spill</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine? <i>Extent of spill is confined to pad</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology? <i>No surficial karsting observed</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain? <i>The extent of the spill is in an area described by FEMA as minimal Flood Hazard</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site? <i>The spill is confined to the pad</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Chevron Carlsbad Municipal Schools NM
Acid Release Site Assessment Plan



Google Earth Image – at spill location. Top of image is north. Red Circle 1000' radius, Orange Circle 500' radius, Yellow Circle 300' radius and Green Circle is 200' Radius from spill coordinates.

Chevron Carlsbad Municipal Schools NM
Acid Release Site Assessment Plan



Locations of Water Wells that have been identified and reported depths to water.

Chevron Carlsbad Municipal Schools NM
Acid Release Site Assessment Plan



Figure 1 – Acid released from tanker rupture

Chevron Carlsbad Municipal Schools NM
Acid Release Site Assessment Plan



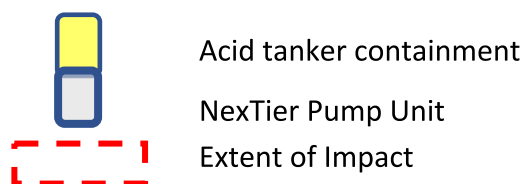
Figures 2 & 3 – Soil pH measurement from excavated material



Chevron Carlsbad Municipal Schools NM
Acid Release Site Assessment Plan

Proposed Sample Grid

50	51	52	53	54	55	56
43	44	45	46	47	48	49
36	37	38	39	40	41	42
29	30	31	32	33	34	35
22	23	24	25	26	27	28
15	16	17	18	19	20	21
8	9	10	11	12	13	14
1	2	3	4	5	6	7



ANALYTICAL LABORATORY REPORTS

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

April 20, 2023

DON DUNBAR

EN-CLOSURE, LLC

11822 BROOK MEADOWS

MEADOWSPLACE, TX 77477

RE: SAND DUNES 4

Enclosed are the results of analyses for samples received by the laboratory on 04/05/23 14:05.

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

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

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477

Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NA

Reported:
20-Apr-23 11:37

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SB - 1 (0-0.5')	H231593-01	Soil	03-Apr-23 11:30	05-Apr-23 14:05
SB - 1 (1.5-2.0')	H231593-02	Soil	03-Apr-23 11:30	05-Apr-23 14:05
SB - 2 (0-0.5')	H231593-03	Soil	03-Apr-23 11:40	05-Apr-23 14:05
SB - 2 (1.5-2.0')	H231593-04	Soil	03-Apr-23 11:40	05-Apr-23 14:05
SB - 3 (0-0.5')	H231593-05	Soil	03-Apr-23 13:00	05-Apr-23 14:05
SB - 3 (1.5-2.0')	H231593-06	Soil	03-Apr-23 13:00	05-Apr-23 14:05
SB - 4 (0-0.5')	H231593-07	Soil	03-Apr-23 13:10	05-Apr-23 14:05
SB - 4 (1.5-2.0')	H231593-08	Soil	03-Apr-23 13:10	05-Apr-23 14:05
SB - 5 (0-0.5')	H231593-09	Soil	03-Apr-23 13:20	05-Apr-23 14:05
SB - 5 (1.5-2.0')	H231593-10	Soil	03-Apr-23 13:20	05-Apr-23 14:05
SB - 6 (0-0.5')	H231593-11	Soil	03-Apr-23 13:30	05-Apr-23 14:05
SB - 6 (1.5-2.0')	H231593-12	Soil	03-Apr-23 13:30	05-Apr-23 14:05
SB - 7 (0-0.5')	H231593-13	Soil	03-Apr-23 13:35	05-Apr-23 14:05
SB - 7 (1.5-2.0')	H231593-14	Soil	03-Apr-23 13:35	05-Apr-23 14:05
SB - 8 (0-0.5')	H231593-15	Soil	03-Apr-23 13:45	05-Apr-23 14:05
SB - 8 (1.5-2.0')	H231593-16	Soil	03-Apr-23 13:45	05-Apr-23 14:05
SB - 9 (0-0.5')	H231593-17	Soil	03-Apr-23 13:50	05-Apr-23 14:05
SB - 9 (1.5-2.0')	H231593-18	Soil	03-Apr-23 13:50	05-Apr-23 14:05
SB - 10 (0-0.5')	H231593-19	Soil	03-Apr-23 13:55	05-Apr-23 14:05
SB - 10 (1.5-2.0')	H231593-20	Soil	03-Apr-23 13:55	05-Apr-23 14:05
SB - 11 (0-0.5')	H231593-21	Soil	03-Apr-23 14:00	05-Apr-23 14:05
SB - 11 (1.5-2.0')	H231593-22	Soil	03-Apr-23 14:00	05-Apr-23 14:05
SB - 12 (0-0.5')	H231593-23	Soil	03-Apr-23 14:02	05-Apr-23 14:05
SB - 12 (1.5-2.0')	H231593-24	Soil	03-Apr-23 14:02	05-Apr-23 14:05
SB - 13 (0-0.5')	H231593-25	Soil	03-Apr-23 14:06	05-Apr-23 14:05
SB - 13 (1.5-2.0')	H231593-26	Soil	03-Apr-23 14:06	05-Apr-23 14:05
SB - 14 (0-0.5')	H231593-27	Soil	03-Apr-23 14:20	05-Apr-23 14:05

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477

Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NA

Reported:
20-Apr-23 11:37

SB - 14 (1.5-2.0')	H231593-28	Soil	03-Apr-23 14:20	05-Apr-23 14:05
SB - 15 (0-0.5')	H231593-29	Soil	03-Apr-23 14:25	05-Apr-23 14:05
SB - 15 (1.5-2.0')	H231593-30	Soil	03-Apr-23 14:25	05-Apr-23 14:05
SB - 16 (0-0.5')	H231593-31	Soil	03-Apr-23 14:30	05-Apr-23 14:05
SB - 16 (1.5-2.0')	H231593-32	Soil	03-Apr-23 14:30	05-Apr-23 14:05
SB - 17 (0-0.5')	H231593-33	Soil	03-Apr-23 14:35	05-Apr-23 14:05
SB - 17 (1.5-2.0')	H231593-34	Soil	03-Apr-23 14:40	05-Apr-23 14:05
SB - 18 (0-0.5')	H231593-35	Soil	03-Apr-23 14:40	05-Apr-23 14:05
SB - 18 (1.5-2.0')	H231593-36	Soil	03-Apr-23 14:45	05-Apr-23 14:05
SB - 19 (0-0.5')	H231593-37	Soil	03-Apr-23 14:50	05-Apr-23 14:05
SB - 19 (1.5-2.0')	H231593-38	Soil	03-Apr-23 14:50	05-Apr-23 14:05
SB - 20 (0-0.5')	H231593-39	Soil	03-Apr-23 14:55	05-Apr-23 14:05
SB - 20 (1.5-2.0')	H231593-40	Soil	03-Apr-23 14:55	05-Apr-23 14:05
SB - 21 (0-0.5')	H231593-41	Soil	03-Apr-23 14:55	05-Apr-23 14:05
SB - 21 (1.5-2.0')	H231593-42	Soil	03-Apr-23 14:55	05-Apr-23 14:05
SB - 22 (0-0.5')	H231593-43	Soil	03-Apr-23 15:10	05-Apr-23 14:05
SB - 22 (1.5-2.0')	H231593-44	Soil	03-Apr-23 15:10	05-Apr-23 14:05
SB - 23 (0-0.5')	H231593-45	Soil	03-Apr-23 15:15	05-Apr-23 14:05
SB - 23 (1.5-2.0')	H231593-46	Soil	03-Apr-23 15:15	05-Apr-23 14:05
SB - 24 (0-0.5')	H231593-47	Soil	03-Apr-23 15:20	05-Apr-23 14:05
SB - 24 (1.5-2.0')	H231593-48	Soil	03-Apr-23 15:20	05-Apr-23 14:05
SB - 25 (0-0.5')	H231593-49	Soil	03-Apr-23 15:30	05-Apr-23 14:05
SB - 25 (1.5-2.0')	H231593-50	Soil	03-Apr-23 15:30	05-Apr-23 14:05
SB - 26 (0-0.5')	H231593-51	Soil	03-Apr-23 15:35	05-Apr-23 14:05
SB - 26 (1.5-2.0')	H231593-52	Soil	03-Apr-23 15:35	05-Apr-23 14:05
SB - 27 (0-0.5')	H231593-53	Soil	03-Apr-23 15:38	05-Apr-23 14:05
SB - 27 (1.5-2.0')	H231593-54	Soil	03-Apr-23 15:38	05-Apr-23 14:05
SB - 28 (0-0.5')	H231593-55	Soil	03-Apr-23 15:45	05-Apr-23 14:05
SB - 28 (1.5-2.0')	H231593-56	Soil	03-Apr-23 15:45	05-Apr-23 14:05
SB - 29 (0-0.5')	H231593-57	Soil	04-Apr-23 08:35	05-Apr-23 14:05

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477

Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NA

Reported:
20-Apr-23 11:37

SB - 29 (1.5-2.0')	H231593-58	Soil	04-Apr-23 08:35	05-Apr-23 14:05
SB - 30 (0-0.5')	H231593-59	Soil	04-Apr-23 08:40	05-Apr-23 14:05
SB - 30 (1.5-2.0')	H231593-60	Soil	04-Apr-23 08:40	05-Apr-23 14:05

04/20/23 - Client added chlorides (see COC). This is the revised report and will replace the one sent on 04/ 11/23.

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477

Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NA

Reported:
20-Apr-23 11:37

SB - 1 (0-0.5')
H231593-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	48.0		16.0	mg/kg	4	3041008	AC	10-Apr-23	4500-Cl-B	
pH*	8.24		0.100	pH Units	1	3040639	AC	11-Apr-23	9045	
Temperature °C	18.5			pH Units	1	3040639	AC	11-Apr-23	9045	

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3040620	MS	10-Apr-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3040620	MS	10-Apr-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3040620	MS	10-Apr-23	8015B	
Surrogate: 1-Chlorooctane			98.0 %	48.2-134		3040620	MS	10-Apr-23	8015B	
Surrogate: 1-Chlorooctadecane			101 %	49.1-148		3040620	MS	10-Apr-23	8015B	

Volatile Organic Compounds by EPA Method 8260B

Benzene*	<0.025		0.025	mg/kg	50	3040606	MS	10-Apr-23	8260B	QR-03
Toluene*	<0.025		0.025	mg/kg	50	3040606	MS	10-Apr-23	8260B	
Ethylbenzene*	<0.025		0.025	mg/kg	50	3040606	MS	10-Apr-23	8260B	
Total Xylenes*	<0.075		0.075	mg/kg	50	3040606	MS	10-Apr-23	8260B	
Total BTEX	<0.150		0.150	mg/kg	50	3040606	MS	10-Apr-23	8260B	
Surrogate: Dibromofluoromethane			90.3 %	86.7-111		3040606	MS	10-Apr-23	8260B	
Surrogate: Toluene-d8			96.7 %	89.3-110		3040606	MS	10-Apr-23	8260B	
Surrogate: 4-Bromofluorobenzene			99.8 %	88.2-108		3040606	MS	10-Apr-23	8260B	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477

Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NA

Reported:
20-Apr-23 11:37

SB - 1 (1.5-2.0')**H231593-02 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	144		16.0	mg/kg	4	3041955	AC	19-Apr-23	4500-Cl-B	
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Analytical Results For:

EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477

Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NA

Reported:
20-Apr-23 11:37

SB - 2 (0-0.5')**H231593-03 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	96.0		16.0	mg/kg	4	3041008	AC	10-Apr-23	4500-Cl-B	
pH*	8.39		0.100	pH Units	1	3040639	AC	11-Apr-23	9045	
Temperature °C	18.5			pH Units	1	3040639	AC	11-Apr-23	9045	

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Analytical Results For:EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NAReported:
20-Apr-23 11:37**SB - 2 (1.5-2.0')****H231593-04 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	32.0		16.0	mg/kg	4	3041955	AC	19-Apr-23	4500-CI-B	
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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477

Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NA

Reported:
20-Apr-23 11:37

SB - 3 (0-0.5')**H231593-05 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	96.0		16.0	mg/kg	4	3041008	AC	10-Apr-23	4500-Cl-B	
pH*	8.38		0.100	pH Units	1	3040639	AC	11-Apr-23	9045	
Temperature °C	18.5			pH Units	1	3040639	AC	11-Apr-23	9045	

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Analytical Results For:

EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477

Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NA

Reported:
20-Apr-23 11:37

SB - 3 (1.5-2.0')**H231593-06 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	32.0		16.0	mg/kg	4	3041956	AC	19-Apr-23	4500-Cl-B	
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Analytical Results For:

EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477

Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NA

Reported:
20-Apr-23 11:37

SB - 4 (0-0.5')**H231593-07 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	144		16.0	mg/kg	4	3041008	AC	10-Apr-23	4500-Cl-B	
pH*	8.43		0.100	pH Units	1	3040639	AC	11-Apr-23	9045	
Temperature °C	18.5			pH Units	1	3040639	AC	11-Apr-23	9045	

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Analytical Results For:

EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477

Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NA

Reported:
20-Apr-23 11:37

SB - 4 (1.5-2.0')**H231593-08 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	48.0		16.0	mg/kg	4	3041956	AC	19-Apr-23	4500-Cl-B	
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Analytical Results For:

EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477

Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NA

Reported:
20-Apr-23 11:37

SB - 5 (0-0.5')**H231593-09 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	160		16.0	mg/kg	4	3041008	AC	10-Apr-23	4500-Cl-B	
pH*	8.36		0.100	pH Units	1	3040639	AC	11-Apr-23	9045	
Temperature °C	18.5			pH Units	1	3040639	AC	11-Apr-23	9045	

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Analytical Results For:

EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477

Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NA

Reported:
20-Apr-23 11:37

SB - 5 (1.5-2.0')**H231593-10 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	48.0		16.0	mg/kg	4	3041956	AC	19-Apr-23	4500-Cl-B	
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Analytical Results For:

EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477

Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NA

Reported:
20-Apr-23 11:37

SB - 6 (0-0.5')**H231593-11 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	96.0		16.0	mg/kg	4	3041008	AC	10-Apr-23	4500-Cl-B	
pH*	8.60		0.100	pH Units	1	3040639	AC	11-Apr-23	9045	
Temperature °C	18.6			pH Units	1	3040639	AC	11-Apr-23	9045	

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Analytical Results For:EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NAReported:
20-Apr-23 11:37**SB - 6 (1.5-2.0')****H231593-12 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	32.0		16.0	mg/kg	4	3041956	AC	19-Apr-23	4500-CI-B	
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A handwritten signature in cursive script, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477

Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NA

Reported:
20-Apr-23 11:37

SB - 7 (0-0.5')**H231593-13 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	48.0		16.0	mg/kg	4	3041008	AC	10-Apr-23	4500-CI-B	
pH*	8.45		0.100	pH Units	1	3040639	AC	11-Apr-23	9045	
Temperature °C	18.6			pH Units	1	3040639	AC	11-Apr-23	9045	

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3040620	MS	10-Apr-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3040620	MS	10-Apr-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3040620	MS	10-Apr-23	8015B	

Surrogate: 1-Chlorooctane 99.0 % 48.2-134 3040620 MS 10-Apr-23 8015B

Surrogate: 1-Chlorooctadecane 101 % 49.1-148 3040620 MS 10-Apr-23 8015B

Volatile Organic Compounds by EPA Method 8260B

Benzene*	<0.025		0.025	mg/kg	50	3040606	MS	10-Apr-23	8260B	
Toluene*	<0.025		0.025	mg/kg	50	3040606	MS	10-Apr-23	8260B	
Ethylbenzene*	<0.025		0.025	mg/kg	50	3040606	MS	10-Apr-23	8260B	
Total Xylenes*	<0.075		0.075	mg/kg	50	3040606	MS	10-Apr-23	8260B	
Total BTEX	<0.150		0.150	mg/kg	50	3040606	MS	10-Apr-23	8260B	

Surrogate: Dibromofluoromethane 95.4 % 86.7-111 3040606 MS 10-Apr-23 8260B

Surrogate: Toluene-d8 99.9 % 89.3-110 3040606 MS 10-Apr-23 8260B

Surrogate: 4-Bromofluorobenzene 95.4 % 88.2-108 3040606 MS 10-Apr-23 8260B

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NAReported:
20-Apr-23 11:37**SB - 7 (1.5-2.0')****H231593-14 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	32.0		16.0	mg/kg	4	3041956	AC	19-Apr-23	4500-CI-B	
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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477

Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NA

Reported:
20-Apr-23 11:37

SB - 8 (0-0.5')**H231593-15 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	80.0		16.0	mg/kg	4	3041008	AC	10-Apr-23	4500-Cl-B	
pH*	8.50		0.100	pH Units	1	3040639	AC	11-Apr-23	9045	
Temperature °C	18.6			pH Units	1	3040639	AC	11-Apr-23	9045	

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Analytical Results For:EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NAReported:
20-Apr-23 11:37**SB - 8 (1.5-2.0')****H231593-16 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	32.0		16.0	mg/kg	4	3041956	AC	19-Apr-23	4500-Cl-B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477

Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NA

Reported:
20-Apr-23 11:37

SB - 9 (0-0.5')**H231593-17 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	128		16.0	mg/kg	4	3041008	AC	10-Apr-23	4500-Cl-B	
pH*	8.52		0.100	pH Units	1	3040639	AC	11-Apr-23	9045	
Temperature °C	18.5			pH Units	1	3040639	AC	11-Apr-23	9045	

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Analytical Results For:EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NAReported:
20-Apr-23 11:37**SB - 9 (1.5-2.0')****H231593-18 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	32.0		16.0	mg/kg	4	3041956	AC	19-Apr-23	4500-Cl-B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477

Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NA

Reported:
20-Apr-23 11:37

SB - 10 (0-0.5')**H231593-19 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	128		16.0	mg/kg	4	3041008	AC	10-Apr-23	4500-Cl-B	
pH*	8.21		0.100	pH Units	1	3040639	AC	11-Apr-23	9045	
Temperature °C	18.5			pH Units	1	3040639	AC	11-Apr-23	9045	

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Analytical Results For:

EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477

Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NA

Reported:
20-Apr-23 11:37

SB - 10 (1.5-2.0')**H231593-20 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	32.0		16.0	mg/kg	4	3041956	AC	19-Apr-23	4500-Cl-B	
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Analytical Results For:

EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477

Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NA

Reported:
20-Apr-23 11:37

SB - 11 (0-0.5')**H231593-21 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	448		16.0	mg/kg	4	3041008	AC	10-Apr-23	4500-Cl-B	
pH*	8.12		0.100	pH Units	1	3040640	AC	11-Apr-23	9045	
Temperature °C	18.5			pH Units	1	3040640	AC	11-Apr-23	9045	

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Analytical Results For:

EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477

Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NA

Reported:
20-Apr-23 11:37

SB - 11 (1.5-2.0')**H231593-22 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	32.0		16.0	mg/kg	4	3041956	AC	19-Apr-23	4500-Cl-B	
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Analytical Results For:

EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477

Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NA

Reported:
20-Apr-23 11:37

SB - 12 (0-0.5')**H231593-23 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	112		16.0	mg/kg	4	3041008	AC	10-Apr-23	4500-Cl-B	
pH*	8.19		0.100	pH Units	1	3040640	AC	11-Apr-23	9045	
Temperature °C	18.5			pH Units	1	3040640	AC	11-Apr-23	9045	

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Analytical Results For:

EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477

Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NA

Reported:
20-Apr-23 11:37

SB - 12 (1.5-2.0')**H231593-24 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Chloride	16.0		16.0	mg/kg	4	3041956	AC	19-Apr-23	4500-Cl-B	

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Analytical Results For:

EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477

Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NA

Reported:
20-Apr-23 11:37

SB - 13 (0-0.5')**H231593-25 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	64.0		16.0	mg/kg	4	3041008	AC	10-Apr-23	4500-Cl-B	
pH*	8.39		0.100	pH Units	1	3040640	AC	11-Apr-23	9045	
Temperature °C	18.4			pH Units	1	3040640	AC	11-Apr-23	9045	

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Analytical Results For:

EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477

Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NA

Reported:
20-Apr-23 11:37

SB - 13 (1.5-2.0')**H231593-26 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Chloride	32.0		16.0	mg/kg	4	3041956	AC	19-Apr-23	4500-Cl-B	

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Analytical Results For:

EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477

Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NA

Reported:
20-Apr-23 11:37

SB - 14 (0-0.5')**H231593-27 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	128		16.0	mg/kg	4	3041008	AC	10-Apr-23	4500-Cl-B	
pH*	8.27		0.100	pH Units	1	3040640	AC	11-Apr-23	9045	
Temperature °C	18.4			pH Units	1	3040640	AC	11-Apr-23	9045	

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Analytical Results For:

EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477

Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NA

Reported:
20-Apr-23 11:37

SB - 14 (1.5-2.0')**H231593-28 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	64.0		16.0	mg/kg	4	3041956	AC	19-Apr-23	4500-Cl-B	
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Analytical Results For:

EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477

Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NA

Reported:
20-Apr-23 11:37

SB - 15 (0-0.5')**H231593-29 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	48.0		16.0	mg/kg	4	3041008	AC	10-Apr-23	4500-Cl-B	
pH*	8.28		0.100	pH Units	1	3040640	AC	11-Apr-23	9045	
Temperature °C	18.4			pH Units	1	3040640	AC	11-Apr-23	9045	

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Analytical Results For:

EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477

Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NA

Reported:
20-Apr-23 11:37

SB - 15 (1.5-2.0')**H231593-30 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	64.0		16.0	mg/kg	4	3041956	AC	19-Apr-23	4500-Cl-B	
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Analytical Results For:

EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477

Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NA

Reported:
20-Apr-23 11:37

SB - 16 (0-0.5')**H231593-31 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	144		16.0	mg/kg	4	3041008	AC	10-Apr-23	4500-Cl-B	
pH*	8.35		0.100	pH Units	1	3040640	AC	11-Apr-23	9045	
Temperature °C	18.4			pH Units	1	3040640	AC	11-Apr-23	9045	

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Analytical Results For:

EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477

Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NA

Reported:
20-Apr-23 11:37

SB - 16 (1.5-2.0')**H231593-32 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	80.0		16.0	mg/kg	4	3041956	AC	19-Apr-23	4500-Cl-B	
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Analytical Results For:

EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477

Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NA

Reported:
20-Apr-23 11:37

SB - 17 (0-0.5')**H231593-33 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	64.0		16.0	mg/kg	4	3041008	AC	10-Apr-23	4500-Cl-B	
pH*	8.46		0.100	pH Units	1	3040640	AC	11-Apr-23	9045	
Temperature °C	18.3			pH Units	1	3040640	AC	11-Apr-23	9045	

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Analytical Results For:EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NAReported:
20-Apr-23 11:37**SB - 17 (1.5-2.0')****H231593-34 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	48.0		16.0	mg/kg	4	3041956	AC	19-Apr-23	4500-Cl-B	
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A handwritten signature in cursive script, reading "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477

Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NA

Reported:
20-Apr-23 11:37

SB - 18 (0-0.5')**H231593-35 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	96.0		16.0	mg/kg	4	3041008	AC	10-Apr-23	4500-Cl-B	
pH*	8.13		0.100	pH Units	1	3040640	AC	11-Apr-23	9045	
Temperature °C	18.3			pH Units	1	3040640	AC	11-Apr-23	9045	

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Analytical Results For:

EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477

Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NA

Reported:
20-Apr-23 11:37

SB - 18 (1.5-2.0')**H231593-36 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	32.0		16.0	mg/kg	4	3041956	AC	19-Apr-23	4500-Cl-B	
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Analytical Results For:

EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477

Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NA

Reported:
20-Apr-23 11:37

SB - 19 (0-0.5')**H231593-37 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	96.0		16.0	mg/kg	4	3041008	AC	10-Apr-23	4500-Cl-B	
pH*	8.25		0.100	pH Units	1	3040640	AC	11-Apr-23	9045	
Temperature °C	18.2			pH Units	1	3040640	AC	11-Apr-23	9045	

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Analytical Results For:

EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477

Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NA

Reported:
20-Apr-23 11:37

SB - 19 (1.5-2.0')**H231593-38 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	32.0		16.0	mg/kg	4	3041956	AC	19-Apr-23	4500-Cl-B	
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Analytical Results For:

EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477

Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NA

Reported:
20-Apr-23 11:37

SB - 20 (0-0.5')**H231593-39 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	80.0		16.0	mg/kg	4	3041012	AC	10-Apr-23	4500-Cl-B	QM-07
pH*	8.55		0.100	pH Units	1	3040640	AC	11-Apr-23	9045	
Temperature °C	18.2			pH Units	1	3040640	AC	11-Apr-23	9045	

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Analytical Results For:

EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477

Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NA

Reported:
20-Apr-23 11:37

SB - 20 (1.5-2.0')**H231593-40 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	32.0		16.0	mg/kg	4	3041956	AC	19-Apr-23	4500-Cl-B	
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Analytical Results For:

EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477

Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NA

Reported:
20-Apr-23 11:37

SB - 21 (0-0.5')**H231593-41 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	48.0		16.0	mg/kg	4	3041012	AC	10-Apr-23	4500-Cl-B	
pH*	8.17		0.100	pH Units	1	3040641	AC	11-Apr-23	9045	
Temperature °C	19.7			pH Units	1	3040641	AC	11-Apr-23	9045	

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Analytical Results For:

EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477

Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NA

Reported:
20-Apr-23 11:37

SB - 21 (1.5-2.0')**H231593-42 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	32.0		16.0	mg/kg	4	3041956	AC	19-Apr-23	4500-Cl-B	
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Analytical Results For:

EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477

Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NA

Reported:
20-Apr-23 11:37

SB - 22 (0-0.5')**H231593-43 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	112		16.0	mg/kg	4	3041012	AC	10-Apr-23	4500-Cl-B	
pH*	8.26		0.100	pH Units	1	3040641	AC	11-Apr-23	9045	
Temperature °C	19.7			pH Units	1	3040641	AC	11-Apr-23	9045	

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Analytical Results For:

EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477

Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NA

Reported:
20-Apr-23 11:37

SB - 22 (1.5-2.0')**H231593-44 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	48.0		16.0	mg/kg	4	3041956	AC	19-Apr-23	4500-Cl-B	
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Analytical Results For:

EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477

Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NA

Reported:
20-Apr-23 11:37

SB - 23 (0-0.5')**H231593-45 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	160		16.0	mg/kg	4	3041012	AC	10-Apr-23	4500-Cl-B	
pH*	8.28		0.100	pH Units	1	3040641	AC	11-Apr-23	9045	
Temperature °C	19.7			pH Units	1	3040641	AC	11-Apr-23	9045	

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Analytical Results For:

EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477

Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NA

Reported:
20-Apr-23 11:37

SB - 23 (1.5-2.0')**H231593-46 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	80.0		16.0	mg/kg	4	3041957	AC	19-Apr-23	4500-Cl-B	
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Analytical Results For:

EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477

Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NA

Reported:
20-Apr-23 11:37

SB - 24 (0-0.5')**H231593-47 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	112		16.0	mg/kg	4	3041012	AC	10-Apr-23	4500-CI-B	
pH*	8.30		0.100	pH Units	1	3040641	AC	11-Apr-23	9045	
Temperature °C	19.6			pH Units	1	3040641	AC	11-Apr-23	9045	

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3040620	MS	10-Apr-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3040620	MS	10-Apr-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3040620	MS	10-Apr-23	8015B	

Surrogate: 1-Chlorooctane 97.1 % 48.2-134 3040620 MS 10-Apr-23 8015B

Surrogate: 1-Chlorooctadecane 99.7 % 49.1-148 3040620 MS 10-Apr-23 8015B

Volatile Organic Compounds by EPA Method 8260B

Benzene*	<0.025		0.025	mg/kg	50	3040606	MS	10-Apr-23	8260B	
Toluene*	<0.025		0.025	mg/kg	50	3040606	MS	10-Apr-23	8260B	
Ethylbenzene*	<0.025		0.025	mg/kg	50	3040606	MS	10-Apr-23	8260B	
Total Xylenes*	<0.075		0.075	mg/kg	50	3040606	MS	10-Apr-23	8260B	
Total BTEX	<0.150		0.150	mg/kg	50	3040606	MS	10-Apr-23	8260B	

Surrogate: Dibromofluoromethane 92.8 % 86.7-111 3040606 MS 10-Apr-23 8260B

Surrogate: Toluene-d8 99.6 % 89.3-110 3040606 MS 10-Apr-23 8260B

Surrogate: 4-Bromofluorobenzene 97.2 % 88.2-108 3040606 MS 10-Apr-23 8260B

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477

Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NA

Reported:
20-Apr-23 11:37

SB - 24 (1.5-2.0')**H231593-48 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	80.0		16.0	mg/kg	4	3041957	AC	19-Apr-23	4500-Cl-B	
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Analytical Results For:

EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477

Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NA

Reported:
20-Apr-23 11:37

SB - 25 (0-0.5')**H231593-49 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	256		16.0	mg/kg	4	3041012	AC	10-Apr-23	4500-CI-B	
pH*	8.15		0.100	pH Units	1	3040641	AC	11-Apr-23	9045	
Temperature °C	19.8			pH Units	1	3040641	AC	11-Apr-23	9045	

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3040620	MS	10-Apr-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3040620	MS	10-Apr-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3040620	MS	10-Apr-23	8015B	

Surrogate: 1-Chlorooctane 80.8 % 48.2-134 3040620 MS 10-Apr-23 8015B

Surrogate: 1-Chlorooctadecane 80.5 % 49.1-148 3040620 MS 10-Apr-23 8015B

Volatile Organic Compounds by EPA Method 8260B

Benzene*	<0.025		0.025	mg/kg	50	3040606	MS	10-Apr-23	8260B	
Toluene*	<0.025		0.025	mg/kg	50	3040606	MS	10-Apr-23	8260B	
Ethylbenzene*	<0.025		0.025	mg/kg	50	3040606	MS	10-Apr-23	8260B	
Total Xylenes*	<0.075		0.075	mg/kg	50	3040606	MS	10-Apr-23	8260B	
Total BTEX	<0.150		0.150	mg/kg	50	3040606	MS	10-Apr-23	8260B	

Surrogate: Dibromofluoromethane 96.3 % 86.7-111 3040606 MS 10-Apr-23 8260B

Surrogate: Toluene-d8 95.4 % 89.3-110 3040606 MS 10-Apr-23 8260B

Surrogate: 4-Bromofluorobenzene 103 % 88.2-108 3040606 MS 10-Apr-23 8260B

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477

Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NA

Reported:
20-Apr-23 11:37

SB - 25 (1.5-2.0')**H231593-50 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	80.0		16.0	mg/kg	4	3041957	AC	19-Apr-23	4500-Cl-B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477

Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NA

Reported:
20-Apr-23 11:37

SB - 26 (0-0.5')**H231593-51 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	320		16.0	mg/kg	4	3041012	AC	10-Apr-23	4500-Cl-B	
pH*	8.05		0.100	pH Units	1	3040641	AC	11-Apr-23	9045	
Temperature °C	19.8			pH Units	1	3040641	AC	11-Apr-23	9045	

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Analytical Results For:

EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477

Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NA

Reported:
20-Apr-23 11:37

SB - 26 (1.5-2.0')**H231593-52 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	48.0		16.0	mg/kg	4	3041957	AC	19-Apr-23	4500-Cl-B	
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Analytical Results For:

EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477

Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NA

Reported:
20-Apr-23 11:37

SB - 27 (0-0.5')**H231593-53 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	48.0		16.0	mg/kg	4	3041012	AC	10-Apr-23	4500-Cl-B	
pH*	8.41		0.100	pH Units	1	3040641	AC	11-Apr-23	9045	
Temperature °C	19.9			pH Units	1	3040641	AC	11-Apr-23	9045	

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Analytical Results For:

EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477

Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NA

Reported:
20-Apr-23 11:37

SB - 27 (1.5-2.0')**H231593-54 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	32.0		16.0	mg/kg	4	3041957	AC	19-Apr-23	4500-Cl-B	
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Analytical Results For:

EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477

Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NA

Reported:
20-Apr-23 11:37

SB - 28 (0-0.5')**H231593-55 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	64.0		16.0	mg/kg	4	3041012	AC	10-Apr-23	4500-Cl-B	
pH*	8.48		0.100	pH Units	1	3040641	AC	11-Apr-23	9045	
Temperature °C	19.7			pH Units	1	3040641	AC	11-Apr-23	9045	

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Analytical Results For:

EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477

Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NA

Reported:
20-Apr-23 11:37

SB - 28 (1.5-2.0')**H231593-56 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	48.0		16.0	mg/kg	4	3041957	AC	19-Apr-23	4500-Cl-B	
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Analytical Results For:

EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477

Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NA

Reported:
20-Apr-23 11:37

SB - 29 (0-0.5')**H231593-57 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	80.0		16.0	mg/kg	4	3041012	AC	10-Apr-23	4500-Cl-B	
pH*	8.07		0.100	pH Units	1	3040641	AC	11-Apr-23	9045	
Temperature °C	19.6			pH Units	1	3040641	AC	11-Apr-23	9045	

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Analytical Results For:

EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477

Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NA

Reported:
20-Apr-23 11:37

SB - 29 (1.5-2.0')**H231593-58 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	80.0		16.0	mg/kg	4	3041957	AC	19-Apr-23	4500-Cl-B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477

Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NA

Reported:
20-Apr-23 11:37

SB - 30 (0-0.5')**H231593-59 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	128		16.0	mg/kg	4	3041012	AC	10-Apr-23	4500-Cl-B	
pH*	8.22		0.100	pH Units	1	3040641	AC	11-Apr-23	9045	
Temperature °C	19.6			pH Units	1	3040641	AC	11-Apr-23	9045	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NAReported:
20-Apr-23 11:37**SB - 30 (1.5-2.0')****H231593-60 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	48.0		16.0	mg/kg	4	3041957	AC	19-Apr-23	4500-Cl-B	
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Cardinal Laboratories

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

Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477

Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NA

Reported:
20-Apr-23 11:37

Inorganic Compounds - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3040639 - General Prep - Wet Chem**LCS (3040639-BS1)**

Prepared: 06-Apr-23 Analyzed: 11-Apr-23

pH	7.10		pH Units	7.00		101	90-110			
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Duplicate (3040639-DUP1)**Source: H231593-01**

Prepared: 06-Apr-23 Analyzed: 11-Apr-23

pH	8.31	0.100	pH Units	8.24		0.846	20			
Temperature °C	18.5		pH Units	18.5		0.00	200			

Batch 3040640 - General Prep - Wet Chem**LCS (3040640-BS1)**

Prepared: 06-Apr-23 Analyzed: 11-Apr-23

pH	7.12		pH Units	7.00		102	90-110			
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Duplicate (3040640-DUP1)**Source: H231593-21**

Prepared: 06-Apr-23 Analyzed: 11-Apr-23

pH	8.11	0.100	pH Units	8.12		0.123	20			
Temperature °C	18.5		pH Units	18.5		0.00	200			

Batch 3040641 - General Prep - Wet Chem**LCS (3040641-BS1)**

Prepared: 06-Apr-23 Analyzed: 11-Apr-23

pH	7.08		pH Units	7.00		101	90-110			
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Duplicate (3040641-DUP1)**Source: H231593-41**

Prepared: 06-Apr-23 Analyzed: 11-Apr-23

pH	8.17	0.100	pH Units	8.17		0.00	20			
Temperature °C	19.7		pH Units	19.7		0.00	200			

Batch 3041008 - 1:4 DI Water**Blank (3041008-BLK1)**

Prepared & Analyzed: 10-Apr-23

Chloride	ND	16.0	mg/kg							
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477

Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NA

Reported:
20-Apr-23 11:37

Inorganic Compounds - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3041008 - 1:4 DI Water**LCS (3041008-BS1)**

Prepared & Analyzed: 10-Apr-23

Chloride	400	16.0	mg/kg	400	100	80-120
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LCS Dup (3041008-BS1)

Prepared & Analyzed: 10-Apr-23

Chloride	416	16.0	mg/kg	400	104	80-120	3.92	20
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Batch 3041012 - 1:4 DI Water**Blank (3041012-BLK1)**

Prepared & Analyzed: 10-Apr-23

Chloride	ND	16.0	mg/kg
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LCS (3041012-BS1)

Prepared & Analyzed: 10-Apr-23

Chloride	432	16.0	mg/kg	400	108	80-120
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LCS Dup (3041012-BS1)

Prepared & Analyzed: 10-Apr-23

Chloride	400	16.0	mg/kg	400	100	80-120	7.69	20
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Batch 3041955 - 1:4 DI Water**Blank (3041955-BLK1)**

Prepared & Analyzed: 19-Apr-23

Chloride	ND	16.0	mg/kg
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LCS (3041955-BS1)

Prepared & Analyzed: 19-Apr-23

Chloride	416	16.0	mg/kg	400	104	80-120
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LCS Dup (3041955-BS1)

Prepared & Analyzed: 19-Apr-23

Chloride	432	16.0	mg/kg	400	108	80-120	3.77	20
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Analytical Results For:

EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477

Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NA

Reported:
20-Apr-23 11:37

Inorganic Compounds - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3041956 - 1:4 DI Water**Blank (3041956-BLK1)**

Prepared & Analyzed: 19-Apr-23

Chloride	ND	16.0	mg/kg							
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LCS (3041956-BS1)

Prepared & Analyzed: 19-Apr-23

Chloride	432	16.0	mg/kg	400		108	80-120			
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LCS Dup (3041956-BSD1)

Prepared & Analyzed: 19-Apr-23

Chloride	416	16.0	mg/kg	400		104	80-120	3.77	20	
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Batch 3041957 - 1:4 DI Water**Blank (3041957-BLK1)**

Prepared & Analyzed: 19-Apr-23

Chloride	ND	16.0	mg/kg							
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LCS (3041957-BS1)

Prepared & Analyzed: 19-Apr-23

Chloride	400	16.0	mg/kg	400		100	80-120			
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LCS Dup (3041957-BSD1)

Prepared & Analyzed: 19-Apr-23

Chloride	416	16.0	mg/kg	400		104	80-120	3.92	20	
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Analytical Results For:

EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477

Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NA

Reported:
20-Apr-23 11:37

Petroleum Hydrocarbons by GC FID - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3040620 - General Prep - Organics**Blank (3040620-BLK1)**

Prepared: 06-Apr-23 Analyzed: 10-Apr-23

GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	41.4		mg/kg	50.0		82.7	48.2-134			
Surrogate: 1-Chlorooctadecane	42.6		mg/kg	50.0		85.1	49.1-148			

LCS (3040620-BS1)

Prepared: 06-Apr-23 Analyzed: 10-Apr-23

GRO C6-C10	191	10.0	mg/kg	200		95.3	78.5-124			
DRO >C10-C28	192	10.0	mg/kg	200		95.8	72.5-126			
Total TPH C6-C28	382	10.0	mg/kg	400		95.6	77.6-123			
Surrogate: 1-Chlorooctane	48.7		mg/kg	50.0		97.3	48.2-134			
Surrogate: 1-Chlorooctadecane	47.5		mg/kg	50.0		94.9	49.1-148			

LCS Dup (3040620-BSD1)

Prepared: 06-Apr-23 Analyzed: 10-Apr-23

GRO C6-C10	189	10.0	mg/kg	200		94.5	78.5-124	0.900	17.7	
DRO >C10-C28	186	10.0	mg/kg	200		93.2	72.5-126	2.70	21	
Total TPH C6-C28	375	10.0	mg/kg	400		93.9	77.6-123	1.80	18.5	
Surrogate: 1-Chlorooctane	48.0		mg/kg	50.0		96.0	48.2-134			
Surrogate: 1-Chlorooctadecane	46.8		mg/kg	50.0		93.5	49.1-148			

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Analytical Results For:

EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477

Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NA

Reported:
20-Apr-23 11:37

Volatile Organic Compounds by EPA Method 8260B - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3040606 - Volatiles**Blank (3040606-BLK1)**

Prepared: 06-Apr-23 Analyzed: 10-Apr-23

Benzene	ND	0.025	mg/kg							
Toluene	ND	0.025	mg/kg							
Ethylbenzene	ND	0.025	mg/kg							
Total Xylenes	ND	0.075	mg/kg							
Total BTEX	ND	0.150	mg/kg							
Surrogate: Dibromofluoromethane	1.17		mg/kg	1.25		93.4	86.7-111			
Surrogate: Toluene-d8	1.24		mg/kg	1.25		99.4	89.3-110			
Surrogate: 4-Bromofluorobenzene	1.25		mg/kg	1.25		99.9	88.2-108			

LCS (3040606-BS1)

Prepared: 06-Apr-23 Analyzed: 10-Apr-23

Benzene	0.479	0.025	mg/kg	0.500		95.8	70.2-121			
Toluene	0.473	0.025	mg/kg	0.500		94.6	76.9-126			
Ethylbenzene	0.475	0.025	mg/kg	0.500		94.9	79.1-124			
m+p - Xylene	0.985	0.050	mg/kg	1.00		98.5	80.8-134			
Total Xylenes	1.47	0.075	mg/kg	1.50		98.1	80.5-132			
o-Xylene	0.486	0.025	mg/kg	0.500		97.3	79-130			
Surrogate: Dibromofluoromethane	1.21		mg/kg	1.25		97.0	86.7-111			
Surrogate: Toluene-d8	1.23		mg/kg	1.25		98.5	89.3-110			
Surrogate: 4-Bromofluorobenzene	1.28		mg/kg	1.25		102	88.2-108			

LCS Dup (3040606-BSD1)

Prepared: 06-Apr-23 Analyzed: 10-Apr-23

Benzene	0.460	0.025	mg/kg	0.500		91.9	70.2-121	4.15	11.1	
Toluene	0.471	0.025	mg/kg	0.500		94.2	76.9-126	0.453	12.2	
Ethylbenzene	0.454	0.025	mg/kg	0.500		90.9	79.1-124	4.36	12.3	
m+p - Xylene	0.951	0.050	mg/kg	1.00		95.1	80.8-134	3.53	11.5	
o-Xylene	0.469	0.025	mg/kg	0.500		93.8	79-130	3.58	12.3	
Total Xylenes	1.42	0.075	mg/kg	1.50		94.7	80.5-132	3.55	11.7	
Surrogate: Dibromofluoromethane	1.20		mg/kg	1.25		95.7	86.7-111			
Surrogate: Toluene-d8	1.29		mg/kg	1.25		103	89.3-110			
Surrogate: 4-Bromofluorobenzene	1.27		mg/kg	1.25		102	88.2-108			

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Analytical Results For:

EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477

Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NA

Reported:
20-Apr-23 11:37

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

Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
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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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



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(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1/6

Company Name: EN-CLOSURE, LLC Project Manager: DON DUNBAR Address: PO BOX 5336 City: SAN ANGELO State: TX Zip: 76902 Phone #: (713) 504-2873 Fax #: Project #: Project Name: SAND PUNES 4 Project Location: LOVIN6, N.M. Sample Name: BRAD ALKES8		P.O. #: N/A Company: EN-CLOSURE, LLC Attn: DON DUNBAR Address: PO BOX 5336 City: SAN ANGELO State: TX Zip: 76902 Phone #: (713) 504-2873 Fax #:	
FOR LAB USE ONLY		BILL TO	
Lab I.D. Sample I.D.		ANALYSIS REQUEST	
PLEASE NOTE: Liability and Damages, Cardinal's liability and client's exclusive remedy for any claim arising from this contract or test, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.		PH - 90403 CHLORIDES - SM 4500 CL-B BTEX - 8260 TPH - 8015 CL added 4/18/23	
Relinquished By: <i>Brad Alkes</i> Date: 4/13/23 Time: 1405 Received By: <i>Don Dunbar</i> Date: 4/13/23 Time: 1320		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #: All Results are emailed. Please provide Email address: DON.DUNBAR@EN-CLOSURE.COM REMARKS: PLEASE PROVIDE EDDS	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Turnaround Time: <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush 5 DAY TAT Thermometer ID #113 Correction Factor -0.6°C	
Observed Temp. °C: 39 Corrected Temp. °C: 33		Bacteria (only) Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Observed Temp. °C:	
Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com		Corrected Temp. °C:	



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: EN-CLOSURE, LLC		P.O. #: N/A		BILL TO		ANALYSIS REQUEST	
Project Manager: DON DUNBAR		Company: EN-CLOSURE, LLC					
Address: PO BOX 5336		Attn: DON DUNBAR					
City: SAN ANGELO		Address: PO BOX 5336					
State: TX		City: SAN ANGELO					
Zip: 76902		State: TX					
Phone #: (713) 504-2873		Zip: 76902					
Fax #:		Phone #: (713) 504-2873					
Project #:		Fax #:					
Project Name: SAN DUNES 4							
Project Location: LOVIN6, N.M.							
Sampler Name: BRAD ALKBA							
FOR LAB USE ONLY							
Lab I.D.		Sample I.D.					
H33593		H33593					
1		SB-6 (10-0.5')					
2		SB-6 (1.5-2.0')					
3		SB-7 (0-0.5')					
4		SB-7 (1.5-2.0')					
5		SB-8 (0-0.5')					
6		SB-8 (1.5-2.0')					
7		SB-9 (0-0.5')					
8		SB-9 (1.5-2.0')					
9		SB-10 (0-0.5')					
10		SB-10 (1.5-2.0')					
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
PLEASE NOTE: Liability and Damages. Cardholder's liability and damage exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analysis. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable analysis. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal. Inquiries of whether such claim is based upon any of the above stated reasons or otherwise.							
Relinquished By: Brad Alkba		Date: 4/5/23		Received By: [Signature]		Verbal Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Add'l Phone #:	
Time: 1405		Date: 4/5/23		Received By: [Signature]		All Results are emailed. Please provide Email address:	
Time:		Date:		Received By:		REMARKS: DON DUNBAR@EN-CLOSURE.COM	
Delivered By: (Circle One)		Observed Temp. °C		Sample Condition		CHECKED BY: (Initials)	
Carrier - UPS - Bus - Other:		Corrected Temp. °C		Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No		Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/> Bacteria (only) Sample Condition	
Turnaround Time: 5 DAY TAT		Thermometer ID #113		Correction Factor -0.8°C		Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No	
Correction Factor -0.8°C						Observed Temp. °C	
						Corrected Temp. °C	



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

3/6

Company Name: EN-CLOSURE, LLC Project Manager: DON DUNBAR Address: PO BOX 5336 City: SAN ANGELO State: TX Zip: 76902 Phone #: (713) 504-2873 Fax #: Project #: Project Name: SAND PUNES 4 Project Location: LOVIN6, N.M. Sample Name: BAD ALKAL		P.O. #: N/A Company: EN-CLOSURE, LLC Attn: DON DUNBAR Address: PO BOX 5336 City: SAN ANGELO State: TX Zip: 76902 Phone #: (713) 504-2873 Fax #:	
FOR LAB USE ONLY		BILL TO	
Lab I.D. Sample I.D.		ANALYSIS REQUEST	
PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether related to collection of, or analysis of, samples, shall be limited to the amount paid by the client for the service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services rendered by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.		PH - 90403 CHLORIDES - SM 4500 CL-B BTEX - 90403 8260 TPH - 8015 Cladded 4-18-23 TO	
Relinquished By: <i>Brad Allen</i> Date: 04/05/23 Time: 1405 Received By: <i>Donna C. Allen</i> Date: 04/05/23 Time: 1425		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #: All Results are emailed. Please provide Email address:	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Observed Temp. °C: 3.9 Corrected Temp. °C: 3.3 Sample Condition: <input checked="" type="checkbox"/> Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No CHECKED BY: (Initials) <i>AE</i>	
Remarks: PLEASE PROVIDE ENDS		Turnaround Time: <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush Thermometer ID #113 Correction Factor -0.6°C Bacteria (only) Sample Condition: <input type="checkbox"/> Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No Observed Temp. °C: Corrected Temp. °C:	

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



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Page 75 of 77



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(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

5/6

Company Name: EN-CLOSURE, LLC Project Manager: DON DUNBAR Address: PO BOX 5336 City: SAN ANGELO State: TX Zip: 76902 Phone #: (713) 504-2873 Fax #: Project #: Project Name: SAND DUNES 4 Project Location: LOVIN6, N.M. Sampler Name: BRAD ALKES		P.O. #: N/A Company: EN-CLOSURE, LLC Attn: DON DUNBAR Address: PO BOX 5336 City: SAN ANGELO State: TX Zip: 76902 Phone #: (713) 504-2873 Fax #:		BILL TO		ANALYSIS REQUEST	
FOR LAB USE ONLY		MATRIX		PRESERV		SAMPLING	
Lab I.D.		Sample I.D.		DATE		TIME	
41 SB-21(0-0.5') 42 SB-21(1.5-2.0') 43 SB-22(0-0.5') 44 SB-22(1.5-2.0') 45 SB-23(0-0.5') 46 SB-23(1.5-2.0') 47 SB-24(0-0.5') 48 SB-24(1.5-2.0') 49 SB-25(0-0.5') 50 SB-25(1.5-2.0')		(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER:		PH - 90403 CHLORIDES - SM 4500 CL-B BTEX - 822 8260 TPH - 8015 Cl added 4-18-23 TO		SHALLOW SAMPLE RESULTS	
Relinquished By: <i>Brad Alkes</i> Date: 04/05/23 Time: 1405		Received By: <i>Don Dunbar</i> Date: <i>04/03/23</i> Time: 1455		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #:		All Results are emailed. Please provide Email address:	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Observed Temp. °C Corrected Temp. °C		Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>		CHECKED BY: (Initials) 3.9 3.3 3.0	
Turnaround Time: 5 DAY SAT Thermometer ID #113 Correction Factor -0.8°C		Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/> Bacteria (only) <input type="checkbox"/> Cool Intact <input type="checkbox"/> Sample Condition <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Observed Temp. °C <input type="checkbox"/> Corrected Temp. °C <input type="checkbox"/>		REMARKS: PLEASE PROVIDE EPPs		Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com	



101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

6/6

Company Name: EN-CLOSURE, LLC Project Manager: DON DUNBAR Address: PO BOX 5336 City: SAN ANGELO State: TX Zip: 76902 Phone #: (713) 504-2873 Fax #: Project #: Project Name: SAND DUNES 4 Project Location: LOVIN6, N.M. Sampler Name: BLAD ALKES		P.O. #: N/A Company: EN-CLOSURE, LLC Attn: DON DUNBAR Address: PO BOX 5336 City: SAN ANGELO State: TX Zip: 76902 Phone #: (713) 504-2873 Fax #:	
FOR LAB USE ONLY		BILL TO	
Lab I.D.		ANALYSIS REQUEST	
Sample I.D.		PH - 90403 CHLORIDES - SM 4500CL-B BTEX - 8260 TPH - 8015 Cladded 4-18-23 TO	
PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analysis. All claims including those for negligence and any other causes whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services rendered by Cardinal, regardless of whether such claim is based upon any of the above stated warranties or otherwise.		DATE TIME	
Relinquished By: <u>Blad Alkes</u> Date: <u>04/05/23</u> Time: <u>1405</u>		Received By: <u>[Signature]</u> Date: <u>04/05/23</u> Time: <u>1405</u>	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Observed Temp. °C <u>3.9</u> Corrected Temp. °C <u>3.3</u>	
Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		CHECKED BY: (Initials) <u>[Signature]</u>	
Turnaround Time: <u>5 DAY TAT</u> Thermometer ID #113 Correction Factor -0.8°C		Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/> Bacteria (only) <input type="checkbox"/> Sample Condition <input checked="" type="checkbox"/> Cool Intact <input checked="" type="checkbox"/> Observed Temp. °C <u>3.9</u> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Corrected Temp. °C <u>3.3</u>	
REMARKS: <u>PLEASE PROVIDE EDDS</u>		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #:	
All Results are emailed. Please provide Email address:		1/6	

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

April 24, 2023

DON DUNBAR

EN-CLOSURE, LLC

11822 BROOK MEADOWS

MEADOWSPPLACE, TX 77477

RE: SAND DUNES 4

Enclosed are the results of analyses for samples received by the laboratory on 04/05/23 14:05.

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

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

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477

Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NA

Reported:
24-Apr-23 09:27

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SB - 31 (0-0.5')	H231594-01	Soil	04-Apr-23 08:45	05-Apr-23 14:05
SB - 31 (1.5-2.0')	H231594-02	Soil	04-Apr-23 08:45	05-Apr-23 14:05
SB - 32 (0-0.5')	H231594-03	Soil	04-Apr-23 08:50	05-Apr-23 14:05
SB - 32 (1.5-2.0')	H231594-04	Soil	04-Apr-23 08:50	05-Apr-23 14:05
SB - 33 (0-0.5')	H231594-05	Soil	04-Apr-23 08:55	05-Apr-23 14:05
SB - 33 (1.5-2.0')	H231594-06	Soil	04-Apr-23 08:55	05-Apr-23 14:05
SB - 34 (0-0.5')	H231594-07	Soil	04-Apr-23 09:00	05-Apr-23 14:05
SB - 34 (1.5-2.0')	H231594-08	Soil	04-Apr-23 09:00	05-Apr-23 14:05
SB - 35 (0-0.5')	H231594-09	Soil	04-Apr-23 09:05	05-Apr-23 14:05
SB - 35 (1.5-2.0')	H231594-10	Soil	04-Apr-23 09:05	05-Apr-23 14:05
SB - 36 (0-0.5')	H231594-11	Soil	04-Apr-23 09:10	05-Apr-23 14:05
SB - 36 (1.5-2.0')	H231594-12	Soil	04-Apr-23 09:10	05-Apr-23 14:05
SB - 37 (0-0.5')	H231594-13	Soil	04-Apr-23 09:15	05-Apr-23 14:05
SB - 37 (1.5-2.0')	H231594-14	Soil	04-Apr-23 09:15	05-Apr-23 14:05
SB - 38 (0-0.5')	H231594-15	Soil	04-Apr-23 09:50	05-Apr-23 14:05
SB - 38 (1.5-2.0')	H231594-16	Soil	04-Apr-23 09:50	05-Apr-23 14:05
SB - 39 (0-0.5')	H231594-17	Soil	04-Apr-23 09:55	05-Apr-23 14:05
SB - 39 (1.5-2.0')	H231594-18	Soil	04-Apr-23 09:55	05-Apr-23 14:05
SB - 40 (0-0.5')	H231594-19	Soil	04-Apr-23 10:00	05-Apr-23 14:05
SB - 40 (1.5-2.0')	H231594-20	Soil	04-Apr-23 10:00	05-Apr-23 14:05
SB - 41 (0-0.5')	H231594-21	Soil	04-Apr-23 10:05	05-Apr-23 14:05
SB - 41 (1.5-2.0')	H231594-22	Soil	04-Apr-23 10:05	05-Apr-23 14:05
SB - 42 (0-0.5')	H231594-23	Soil	04-Apr-23 10:10	05-Apr-23 14:05
SB - 42 (1.5-2.0')	H231594-24	Soil	04-Apr-23 10:10	05-Apr-23 14:05
SB - 43 (0-0.5')	H231594-25	Soil	04-Apr-23 10:15	05-Apr-23 14:05
SB - 43 (1.5-2.0')	H231594-26	Soil	04-Apr-23 10:15	05-Apr-23 14:05
SB - 44 (0-0.5')	H231594-27	Soil	04-Apr-23 10:20	05-Apr-23 14:05

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477

Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NA

Reported:
24-Apr-23 09:27

SB - 44 (1.5-2.0')	H231594-28	Soil	04-Apr-23 10:20	05-Apr-23 14:05
SB - 45 (0-0.5')	H231594-29	Soil	04-Apr-23 10:25	05-Apr-23 14:05
SB - 45 (1.5-2.0')	H231594-30	Soil	04-Apr-23 10:25	05-Apr-23 14:05
SB - 46 (0-0.5')	H231594-31	Soil	04-Apr-23 10:30	05-Apr-23 14:05
SB - 46 (1.5-2.0')	H231594-32	Soil	04-Apr-23 10:30	05-Apr-23 14:05
SB - 47 (0-0.5')	H231594-33	Soil	04-Apr-23 10:36	05-Apr-23 14:05
SB - 47 (1.5-2.0')	H231594-34	Soil	04-Apr-23 10:36	05-Apr-23 14:05
SB - 48 (0-0.5')	H231594-35	Soil	04-Apr-23 10:40	05-Apr-23 14:05
SB - 48 (1.5-2.0')	H231594-36	Soil	04-Apr-23 10:40	05-Apr-23 14:05
SB - 49 (0-0.5')	H231594-37	Soil	04-Apr-23 10:45	05-Apr-23 14:05
SB - 49 (1.5-2.0')	H231594-38	Soil	04-Apr-23 10:45	05-Apr-23 14:05
SB - 50 (0-0.5')	H231594-39	Soil	04-Apr-23 11:00	05-Apr-23 14:05
SB - 50 (1.5-2.0')	H231594-40	Soil	04-Apr-23 11:00	05-Apr-23 14:05
SB - 51 (0-0.5')	H231594-41	Soil	04-Apr-23 11:05	05-Apr-23 14:05
SB - 51 (1.5-2.0')	H231594-42	Soil	04-Apr-23 11:05	05-Apr-23 14:05
SB - 52 (0-0.5')	H231594-43	Soil	04-Apr-23 11:10	05-Apr-23 14:05
SB - 52 (1.5-2.0')	H231594-44	Soil	04-Apr-23 11:10	05-Apr-23 14:05
SB - 53 (0-0.5')	H231594-45	Soil	04-Apr-23 11:15	05-Apr-23 14:05
SB - 53 (1.5-2.0')	H231594-46	Soil	04-Apr-23 11:15	05-Apr-23 14:05
SB - 54 (0-0.5')	H231594-47	Soil	04-Apr-23 11:20	05-Apr-23 14:05
SB - 54 (1.5-2.0')	H231594-48	Soil	04-Apr-23 11:20	05-Apr-23 14:05
SB - 55 (0-0.5')	H231594-49	Soil	04-Apr-23 11:25	05-Apr-23 14:05
SB - 55 (1.5-2.0')	H231594-50	Soil	04-Apr-23 11:25	05-Apr-23 14:05
SB - 56 (0-0.5')	H231594-51	Soil	04-Apr-23 11:30	05-Apr-23 14:05
SB - 56 (1.5-2.0')	H231594-52	Soil	04-Apr-23 11:30	05-Apr-23 14:05

04/14/23 - Client added BTEX and TPH to samples -01 and -03 (see COC). This is the revised report and will replace the one sent on 04/11/23.

04/20/23 - Client added chlorides (see COC). This is the 2nd revision of the report and will replace the one sent on 04/14/23.

04/24/23 - Client added chloride to sample -52 (see COC). This is the 3rd revision of the report and will replace the one sent on 04/20/23.

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477

Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NA

Reported:
24-Apr-23 09:27

SB - 31 (0-0.5')**H231594-01 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	112		16.0	mg/kg	4	3041012	AC	10-Apr-23	4500-Cl-B	
pH*	8.25		0.100	pH Units	1	3040642	AC	11-Apr-23	9045	
Temperature °C	19.9			pH Units	1	3040642	AC	11-Apr-23	9045	

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3041217	MS	12-Apr-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3041217	MS	12-Apr-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3041217	MS	12-Apr-23	8015B	
Surrogate: 1-Chlorooctane			105 %	48.2-134		3041217	MS	12-Apr-23	8015B	
Surrogate: 1-Chlorooctadecane			114 %	49.1-148		3041217	MS	12-Apr-23	8015B	

Volatile Organic Compounds by EPA Method 8260B

Benzene*	<0.025		0.025	mg/kg	50	3041245	MS	13-Apr-23	8260B	QR-03
Toluene*	<0.025		0.025	mg/kg	50	3041245	MS	13-Apr-23	8260B	QR-03
Ethylbenzene*	<0.025		0.025	mg/kg	50	3041245	MS	13-Apr-23	8260B	QR-03
Total Xylenes*	<0.075		0.075	mg/kg	50	3041245	MS	13-Apr-23	8260B	
Total BTEX	<0.150		0.150	mg/kg	50	3041245	MS	13-Apr-23	8260B	
Surrogate: Dibromofluoromethane			98.6 %	86.7-111		3041245	MS	13-Apr-23	8260B	
Surrogate: Toluene-d8			101 %	89.3-110		3041245	MS	13-Apr-23	8260B	
Surrogate: 4-Bromofluorobenzene			97.6 %	88.2-108		3041245	MS	13-Apr-23	8260B	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NAReported:
24-Apr-23 09:27**SB - 31 (1.5-2.0')****H231594-02 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	80.0		16.0	mg/kg	4	3041957	GM	20-Apr-23	4500-CI-B	
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A handwritten signature in cursive script, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477

Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NA

Reported:
24-Apr-23 09:27

SB - 32 (0-0.5')**H231594-03 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	112		16.0	mg/kg	4	3041012	AC	10-Apr-23	4500-CI-B	
pH*	8.45		0.100	pH Units	1	3040642	AC	11-Apr-23	9045	
Temperature °C	19.9			pH Units	1	3040642	AC	11-Apr-23	9045	

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3041217	MS	12-Apr-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3041217	MS	12-Apr-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3041217	MS	12-Apr-23	8015B	

Surrogate: 1-Chlorooctane 103 % 48.2-134 3041217 MS 12-Apr-23 8015B

Surrogate: 1-Chlorooctadecane 111 % 49.1-148 3041217 MS 12-Apr-23 8015B

Volatile Organic Compounds by EPA Method 8260B

Benzene*	<0.025		0.025	mg/kg	50	3041245	MS	13-Apr-23	8260B	
Toluene*	<0.025		0.025	mg/kg	50	3041245	MS	13-Apr-23	8260B	
Ethylbenzene*	<0.025		0.025	mg/kg	50	3041245	MS	13-Apr-23	8260B	
Total Xylenes*	<0.075		0.075	mg/kg	50	3041245	MS	13-Apr-23	8260B	
Total BTEX	<0.150		0.150	mg/kg	50	3041245	MS	13-Apr-23	8260B	

Surrogate: Dibromofluoromethane 96.0 % 86.7-111 3041245 MS 13-Apr-23 8260B

Surrogate: Toluene-d8 98.0 % 89.3-110 3041245 MS 13-Apr-23 8260B

Surrogate: 4-Bromofluorobenzene 97.4 % 88.2-108 3041245 MS 13-Apr-23 8260B

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NAReported:
24-Apr-23 09:27**SB - 32 (1.5-2.0')****H231594-04 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	16.0		16.0	mg/kg	4	3041957	GM	20-Apr-23	4500-CI-B	
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A handwritten signature in cursive script, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477

Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NA

Reported:
24-Apr-23 09:27

SB - 33 (0-0.5')**H231594-05 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	224		16.0	mg/kg	4	3041012	AC	10-Apr-23	4500-Cl-B	
pH*	7.96		0.100	pH Units	1	3040642	AC	11-Apr-23	9045	
Temperature °C	19.9			pH Units	1	3040642	AC	11-Apr-23	9045	

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NAReported:
24-Apr-23 09:27**SB - 33 (1.5-2.0')****H231594-06 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	3041957	GM	20-Apr-23	4500-CI-B	
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A handwritten signature in cursive script, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477

Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NA

Reported:
24-Apr-23 09:27

SB - 34 (0-0.5')**H231594-07 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	64.0		16.0	mg/kg	4	3041012	AC	10-Apr-23	4500-Cl-B	
pH*	8.21		0.100	pH Units	1	3040642	AC	11-Apr-23	9045	
Temperature °C	19.9			pH Units	1	3040642	AC	11-Apr-23	9045	

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Analytical Results For:

EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477

Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NA

Reported:
24-Apr-23 09:27

SB - 34 (1.5-2.0')**H231594-08 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	3041957	GM	20-Apr-23	4500-Cl-B	
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Analytical Results For:

EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477

Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NA

Reported:
24-Apr-23 09:27

SB - 35 (0-0.5')**H231594-09 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	144		16.0	mg/kg	4	3041012	AC	10-Apr-23	4500-Cl-B	
pH*	8.26		0.100	pH Units	1	3040642	AC	11-Apr-23	9045	
Temperature °C	19.8			pH Units	1	3040642	AC	11-Apr-23	9045	

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Analytical Results For:

EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477

Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NA

Reported:
24-Apr-23 09:27

SB - 35 (1.5-2.0')**H231594-10 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	32.0		16.0	mg/kg	4	3041957	GM	20-Apr-23	4500-Cl-B	
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Analytical Results For:

EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477

Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NA

Reported:
24-Apr-23 09:27

SB - 36 (0-0.5')**H231594-11 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	80.0		16.0	mg/kg	4	3041012	AC	10-Apr-23	4500-Cl-B	
pH*	8.07		0.100	pH Units	1	3040642	AC	11-Apr-23	9045	
Temperature °C	19.9			pH Units	1	3040642	AC	11-Apr-23	9045	

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Analytical Results For:

EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477

Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NA

Reported:
24-Apr-23 09:27

SB - 36 (1.5-2.0')**H231594-12 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	48.0		16.0	mg/kg	4	3041957	GM	20-Apr-23	4500-Cl-B	
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Analytical Results For:

EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477

Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NA

Reported:
24-Apr-23 09:27

SB - 37 (0-0.5')**H231594-13 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	176		16.0	mg/kg	4	3041012	AC	10-Apr-23	4500-Cl-B	
pH*	8.19		0.100	pH Units	1	3040642	AC	11-Apr-23	9045	
Temperature °C	19.9			pH Units	1	3040642	AC	11-Apr-23	9045	

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Analytical Results For:

EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477

Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NA

Reported:
24-Apr-23 09:27

SB - 37 (1.5-2.0')**H231594-14 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	48.0		16.0	mg/kg	4	3041957	GM	20-Apr-23	4500-Cl-B	
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Analytical Results For:

EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477

Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NA

Reported:
24-Apr-23 09:27

SB - 38 (0-0.5')**H231594-15 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	112		16.0	mg/kg	4	3041012	AC	10-Apr-23	4500-Cl-B	
pH*	7.95		0.100	pH Units	1	3040642	AC	11-Apr-23	9045	
Temperature °C	19.8			pH Units	1	3040642	AC	11-Apr-23	9045	

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Analytical Results For:EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NAReported:
24-Apr-23 09:27**SB - 38 (1.5-2.0')****H231594-16 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	64.0		16.0	mg/kg	4	3041957	GM	20-Apr-23	4500-CI-B	
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A handwritten signature in cursive script, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477

Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NA

Reported:
24-Apr-23 09:27

SB - 39 (0-0.5')**H231594-17 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	96.0		16.0	mg/kg	4	3041012	AC	10-Apr-23	4500-Cl-B	
pH*	8.15		0.100	pH Units	1	3040642	AC	11-Apr-23	9045	
Temperature °C	19.8			pH Units	1	3040642	AC	11-Apr-23	9045	

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Analytical Results For:

EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477

Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NA

Reported:
24-Apr-23 09:27

SB - 39 (1.5-2.0')**H231594-18 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	64.0		16.0	mg/kg	4	3041957	GM	20-Apr-23	4500-Cl-B	
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Analytical Results For:

EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477

Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NA

Reported:
24-Apr-23 09:27

SB - 40 (0-0.5')**H231594-19 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	192		16.0	mg/kg	4	3041013	AC	10-Apr-23	4500-Cl-B	
pH*	7.98		0.100	pH Units	1	3040642	AC	11-Apr-23	9045	
Temperature °C	19.8			pH Units	1	3040642	AC	11-Apr-23	9045	

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Analytical Results For:EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NAReported:
24-Apr-23 09:27**SB - 40 (1.5-2.0')****H231594-20 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	32.0		16.0	mg/kg	4	3041957	GM	20-Apr-23	4500-CI-B	
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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477

Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NA

Reported:
24-Apr-23 09:27

SB - 41 (0-0.5')**H231594-21 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	160		16.0	mg/kg	4	3041013	AC	10-Apr-23	4500-Cl-B	
pH*	8.16		0.100	pH Units	1	3040643	AC	11-Apr-23	9045	
Temperature °C	20.0			pH Units	1	3040643	AC	11-Apr-23	9045	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477

Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NA

Reported:
24-Apr-23 09:27

SB - 41 (1.5-2.0')**H231594-22 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	64.0		16.0	mg/kg	4	3041957	GM	20-Apr-23	4500-CI-B	
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Analytical Results For:

EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477

Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NA

Reported:
24-Apr-23 09:27

SB - 42 (0-0.5')**H231594-23 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	64.0		16.0	mg/kg	4	3041013	AC	10-Apr-23	4500-Cl-B	
pH*	8.26		0.100	pH Units	1	3040643	AC	11-Apr-23	9045	
Temperature °C	19.9			pH Units	1	3040643	AC	11-Apr-23	9045	

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Analytical Results For:

EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477

Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NA

Reported:
24-Apr-23 09:27

SB - 42 (1.5-2.0')**H231594-24 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	32.0		16.0	mg/kg	4	3041957	GM	20-Apr-23	4500-Cl-B	
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Analytical Results For:

EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477

Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NA

Reported:
24-Apr-23 09:27

SB - 43 (0-0.5')**H231594-25 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	96.0		16.0	mg/kg	4	3041013	AC	10-Apr-23	4500-Cl-B	
pH*	8.12		0.100	pH Units	1	3040643	AC	11-Apr-23	9045	
Temperature °C	19.9			pH Units	1	3040643	AC	11-Apr-23	9045	

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Analytical Results For:EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NAReported:
24-Apr-23 09:27**SB - 43 (1.5-2.0')****H231594-26 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	80.0		16.0	mg/kg	4	3042007	GM	20-Apr-23	4500-CI-B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477

Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NA

Reported:
24-Apr-23 09:27

SB - 44 (0-0.5')**H231594-27 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	128		16.0	mg/kg	4	3041013	AC	10-Apr-23	4500-Cl-B	
pH*	8.16		0.100	pH Units	1	3040643	AC	11-Apr-23	9045	
Temperature °C	20.0			pH Units	1	3040643	AC	11-Apr-23	9045	

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Analytical Results For:

EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477

Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NA

Reported:
24-Apr-23 09:27

SB - 44 (1.5-2.0')**H231594-28 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Chloride	48.0		16.0	mg/kg	4	3042007	GM	20-Apr-23	4500-Cl-B	

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Analytical Results For:

EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477

Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NA

Reported:
24-Apr-23 09:27

SB - 45 (0-0.5')**H231594-29 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	112		16.0	mg/kg	4	3041013	AC	10-Apr-23	4500-Cl-B	
pH*	8.27		0.100	pH Units	1	3040643	AC	11-Apr-23	9045	
Temperature °C	20.0			pH Units	1	3040643	AC	11-Apr-23	9045	

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Analytical Results For:EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NAReported:
24-Apr-23 09:27**SB - 45 (1.5-2.0')****H231594-30 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	64.0		16.0	mg/kg	4	3042007	GM	20-Apr-23	4500-CI-B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477

Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NA

Reported:
24-Apr-23 09:27

SB - 46 (0-0.5')**H231594-31 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	96.0		16.0	mg/kg	4	3041013	AC	10-Apr-23	4500-Cl-B	
pH*	8.27		0.100	pH Units	1	3040643	AC	11-Apr-23	9045	
Temperature °C	19.9			pH Units	1	3040643	AC	11-Apr-23	9045	

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Analytical Results For:EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NAReported:
24-Apr-23 09:27**SB - 46 (1.5-2.0')****H231594-32 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	48.0		16.0	mg/kg	4	3042007	GM	20-Apr-23	4500-Cl-B	
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Analytical Results For:

EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477

Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NA

Reported:
24-Apr-23 09:27

SB - 47 (0-0.5')**H231594-33 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	144		16.0	mg/kg	4	3041013	AC	10-Apr-23	4500-Cl-B	
pH*	7.95		0.100	pH Units	1	3040643	AC	11-Apr-23	9045	
Temperature °C	19.9			pH Units	1	3040643	AC	11-Apr-23	9045	

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Analytical Results For:EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NAReported:
24-Apr-23 09:27**SB - 47 (1.5-2.0')****H231594-34 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	48.0		16.0	mg/kg	4	3042007	GM	20-Apr-23	4500-CI-B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477

Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NA

Reported:
24-Apr-23 09:27

SB - 48 (0-0.5')**H231594-35 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	80.0		16.0	mg/kg	4	3041013	AC	10-Apr-23	4500-Cl-B	
pH*	8.33		0.100	pH Units	1	3040643	AC	11-Apr-23	9045	
Temperature °C	19.9			pH Units	1	3040643	AC	11-Apr-23	9045	

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Analytical Results For:EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NAReported:
24-Apr-23 09:27**SB - 48 (1.5-2.0')****H231594-36 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	48.0		16.0	mg/kg	4	3042007	GM	20-Apr-23	4500-CI-B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477

Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NA

Reported:
24-Apr-23 09:27

SB - 49 (0-0.5')**H231594-37 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	112		16.0	mg/kg	4	3041013	AC	10-Apr-23	4500-Cl-B	
pH*	8.21		0.100	pH Units	1	3040643	AC	11-Apr-23	9045	
Temperature °C	19.9			pH Units	1	3040643	AC	11-Apr-23	9045	

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NAReported:
24-Apr-23 09:27**SB - 49 (1.5-2.0')****H231594-38 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	48.0		16.0	mg/kg	4	3042007	GM	20-Apr-23	4500-CI-B	
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A handwritten signature in cursive script, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477

Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NA

Reported:
24-Apr-23 09:27

SB - 50 (0-0.5')**H231594-39 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	176		16.0	mg/kg	4	3041013	AC	10-Apr-23	4500-Cl-B	
pH*	8.19		0.100	pH Units	1	3040643	AC	11-Apr-23	9045	
Temperature °C	19.8			pH Units	1	3040643	AC	11-Apr-23	9045	

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3040620	MS	10-Apr-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3040620	MS	10-Apr-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3040620	MS	10-Apr-23	8015B	

Surrogate: 1-Chlorooctane 89.0 % 48.2-134 3040620 MS 10-Apr-23 8015B

Surrogate: 1-Chlorooctadecane 89.2 % 49.1-148 3040620 MS 10-Apr-23 8015B

Volatile Organic Compounds by EPA Method 8260B

Benzene*	<0.025		0.025	mg/kg	50	3040606	MS	10-Apr-23	8260B	
Toluene*	<0.025		0.025	mg/kg	50	3040606	MS	10-Apr-23	8260B	
Ethylbenzene*	<0.025		0.025	mg/kg	50	3040606	MS	10-Apr-23	8260B	
Total Xylenes*	<0.075		0.075	mg/kg	50	3040606	MS	10-Apr-23	8260B	
Total BTEX	<0.150		0.150	mg/kg	50	3040606	MS	10-Apr-23	8260B	

Surrogate: Dibromofluoromethane 97.0 % 86.7-111 3040606 MS 10-Apr-23 8260B

Surrogate: Toluene-d8 101 % 89.3-110 3040606 MS 10-Apr-23 8260B

Surrogate: 4-Bromofluorobenzene 99.5 % 88.2-108 3040606 MS 10-Apr-23 8260B

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477

Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NA

Reported:
24-Apr-23 09:27

SB - 50 (1.5-2.0')**H231594-40 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	64.0		16.0	mg/kg	4	3042007	GM	20-Apr-23	4500-Cl-B	
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Analytical Results For:

EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477

Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NA

Reported:
24-Apr-23 09:27

SB - 51 (0-0.5')**H231594-41 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	64.0		16.0	mg/kg	4	3041013	AC	10-Apr-23	4500-Cl-B	
pH*	7.91		0.100	pH Units	1	3040644	AC	11-Apr-23	9045	
Temperature °C	19.6			pH Units	1	3040644	AC	11-Apr-23	9045	

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Analytical Results For:

EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477

Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NA

Reported:
24-Apr-23 09:27

SB - 51 (1.5-2.0')**H231594-42 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	48.0		16.0	mg/kg	4	3042007	GM	20-Apr-23	4500-Cl-B	
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Analytical Results For:

EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477

Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NA

Reported:
24-Apr-23 09:27

SB - 52 (0-0.5')**H231594-43 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	128		16.0	mg/kg	4	3041013	AC	10-Apr-23	4500-Cl-B	
pH*	8.32		0.100	pH Units	1	3040644	AC	11-Apr-23	9045	
Temperature °C	19.5			pH Units	1	3040644	AC	11-Apr-23	9045	

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Analytical Results For:

EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477

Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NA

Reported:
24-Apr-23 09:27

SB - 52 (1.5-2.0')**H231594-44 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	48.0		16.0	mg/kg	4	3042007	GM	20-Apr-23	4500-Cl-B	
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Analytical Results For:

EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477

Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NA

Reported:
24-Apr-23 09:27

SB - 53 (0-0.5')**H231594-45 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	320		16.0	mg/kg	4	3041013	AC	10-Apr-23	4500-Cl-B	
pH*	8.08		0.100	pH Units	1	3040644	AC	11-Apr-23	9045	
Temperature °C	19.6			pH Units	1	3040644	AC	11-Apr-23	9045	

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Analytical Results For:

EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477

Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NA

Reported:
24-Apr-23 09:27

SB - 53 (1.5-2.0')**H231594-46 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	64.0		16.0	mg/kg	4	3042007	GM	20-Apr-23	4500-Cl-B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477

Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NA

Reported:
24-Apr-23 09:27

SB - 54 (0-0.5')**H231594-47 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	128		16.0	mg/kg	4	3041013	AC	10-Apr-23	4500-Cl-B	
pH*	8.24		0.100	pH Units	1	3040644	AC	11-Apr-23	9045	
Temperature °C	19.5			pH Units	1	3040644	AC	11-Apr-23	9045	

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Analytical Results For:

EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477

Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NA

Reported:
24-Apr-23 09:27

SB - 54 (1.5-2.0')**H231594-48 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	32.0		16.0	mg/kg	4	3042007	GM	20-Apr-23	4500-CI-B	
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Analytical Results For:

EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477

Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NA

Reported:
24-Apr-23 09:27

SB - 55 (0-0.5')**H231594-49 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	112		16.0	mg/kg	4	3041013	AC	10-Apr-23	4500-Cl-B	
pH*	8.21		0.100	pH Units	1	3040644	AC	11-Apr-23	9045	
Temperature °C	19.5			pH Units	1	3040644	AC	11-Apr-23	9045	

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Analytical Results For:EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NAReported:
24-Apr-23 09:27**SB - 55 (1.5-2.0')****H231594-50 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	48.0		16.0	mg/kg	4	3042007	GM	20-Apr-23	4500-CI-B	
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A handwritten signature in cursive script, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477

Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NA

Reported:
24-Apr-23 09:27

SB - 56 (0-0.5')**H231594-51 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	224		16.0	mg/kg	4	3041013	AC	10-Apr-23	4500-CI-B	
pH*	8.28		0.100	pH Units	1	3040644	AC	11-Apr-23	9045	
Temperature °C	19.4			pH Units	1	3040644	AC	11-Apr-23	9045	

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3040620	MS	10-Apr-23	8015B	
DRO >C10-C28*	78.4		10.0	mg/kg	1	3040620	MS	10-Apr-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3040620	MS	10-Apr-23	8015B	

Surrogate: 1-Chlorooctane 83.9 % 48.2-134 3040620 MS 10-Apr-23 8015B

Surrogate: 1-Chlorooctadecane 85.3 % 49.1-148 3040620 MS 10-Apr-23 8015B

Volatile Organic Compounds by EPA Method 8260B

Benzene*	<0.025		0.025	mg/kg	50	3040606	MS	10-Apr-23	8260B	
Toluene*	<0.025		0.025	mg/kg	50	3040606	MS	10-Apr-23	8260B	
Ethylbenzene*	<0.025		0.025	mg/kg	50	3040606	MS	10-Apr-23	8260B	
Total Xylenes*	<0.075		0.075	mg/kg	50	3040606	MS	10-Apr-23	8260B	
Total BTEX	<0.150		0.150	mg/kg	50	3040606	MS	10-Apr-23	8260B	

Surrogate: Dibromofluoromethane 93.8 % 86.7-111 3040606 MS 10-Apr-23 8260B

Surrogate: Toluene-d8 97.0 % 89.3-110 3040606 MS 10-Apr-23 8260B

Surrogate: 4-Bromofluorobenzene 100 % 88.2-108 3040606 MS 10-Apr-23 8260B

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

Analytical Results For:EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NAReported:
24-Apr-23 09:27**SB - 56 (1.5-2.0')****H231594-52 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	48.0		16.0	mg/kg	4	3042147	GM	21-Apr-23	4500-CI-B	
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A handwritten signature in cursive script, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477

Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NA

Reported:
24-Apr-23 09:27

Inorganic Compounds - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3040642 - General Prep - Wet Chem										
LCS (3040642-BS1)					Prepared: 06-Apr-23 Analyzed: 11-Apr-23					
pH	7.05		pH Units	7.00		101	90-110			
Duplicate (3040642-DUP1)					Source: H231594-01 Prepared: 06-Apr-23 Analyzed: 11-Apr-23					
pH	8.25	0.100	pH Units		8.25			0.00	20	
Temperature °C	19.9		pH Units		19.9			0.00	200	
Batch 3040643 - General Prep - Wet Chem										
LCS (3040643-BS1)					Prepared: 06-Apr-23 Analyzed: 11-Apr-23					
pH	7.11		pH Units	7.00		102	90-110			
Duplicate (3040643-DUP1)					Source: H231594-21 Prepared: 06-Apr-23 Analyzed: 11-Apr-23					
pH	8.12	0.100	pH Units		8.16			0.491	20	
Temperature °C	20.0		pH Units		20.0			0.00	200	
Batch 3040644 - General Prep - Wet Chem										
LCS (3040644-BS1)					Prepared: 06-Apr-23 Analyzed: 11-Apr-23					
pH	7.11		pH Units	7.00		102	90-110			
Duplicate (3040644-DUP1)					Source: H231594-41 Prepared: 06-Apr-23 Analyzed: 11-Apr-23					
pH	7.91	0.100	pH Units		7.91			0.00	20	
Temperature °C	19.5		pH Units		19.6			0.512	200	
Batch 3041012 - 1:4 DI Water										
Blank (3041012-BLK1)					Prepared & Analyzed: 10-Apr-23					
Chloride	ND		16.0 mg/kg							

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Analytical Results For:

EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477

Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NA

Reported:
24-Apr-23 09:27

Inorganic Compounds - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3041012 - 1:4 DI Water**LCS (3041012-BS1)**

Prepared & Analyzed: 10-Apr-23

Chloride	432	16.0	mg/kg	400	108	80-120
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LCS Dup (3041012-BSD1)

Prepared & Analyzed: 10-Apr-23

Chloride	400	16.0	mg/kg	400	100	80-120	7.69	20
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Batch 3041013 - 1:4 DI Water**Blank (3041013-BLK1)**

Prepared & Analyzed: 10-Apr-23

Chloride	ND	16.0	mg/kg
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LCS (3041013-BS1)

Prepared & Analyzed: 10-Apr-23

Chloride	416	16.0	mg/kg	400	104	80-120
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LCS Dup (3041013-BSD1)

Prepared & Analyzed: 10-Apr-23

Chloride	432	16.0	mg/kg	400	108	80-120	3.77	20
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Batch 3041957 - 1:4 DI Water**Blank (3041957-BLK1)**

Prepared & Analyzed: 19-Apr-23

Chloride	ND	16.0	mg/kg
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LCS (3041957-BS1)

Prepared & Analyzed: 19-Apr-23

Chloride	400	16.0	mg/kg	400	100	80-120
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LCS Dup (3041957-BSD1)

Prepared & Analyzed: 19-Apr-23

Chloride	416	16.0	mg/kg	400	104	80-120	3.92	20
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Analytical Results For:

EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477

Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NA

Reported:
24-Apr-23 09:27

Inorganic Compounds - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3042007 - 1:4 DI Water**Blank (3042007-BLK1)**

Prepared & Analyzed: 20-Apr-23

Chloride	ND	16.0	mg/kg							
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LCS (3042007-BS1)

Prepared & Analyzed: 20-Apr-23

Chloride	432	16.0	mg/kg	400		108	80-120			
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LCS Dup (3042007-BSD1)

Prepared & Analyzed: 20-Apr-23

Chloride	432	16.0	mg/kg	400		108	80-120	0.00	20	
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Batch 3042147 - 1:4 DI Water**Blank (3042147-BLK1)**

Prepared & Analyzed: 21-Apr-23

Chloride	ND	16.0	mg/kg							
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LCS (3042147-BS1)

Prepared & Analyzed: 21-Apr-23

Chloride	400	16.0	mg/kg	400		100	80-120			
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LCS Dup (3042147-BSD1)

Prepared & Analyzed: 21-Apr-23

Chloride	432	16.0	mg/kg	400		108	80-120	7.69	20	
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Analytical Results For:

EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477

Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NA

Reported:
24-Apr-23 09:27

Petroleum Hydrocarbons by GC FID - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch 3040620 - General Prep - Organics**Blank (3040620-BLK1)**

Prepared: 06-Apr-23 Analyzed: 10-Apr-23

GRO C6-C10	ND	10.0	mg/kg						
DRO >C10-C28	ND	10.0	mg/kg						
EXT DRO >C28-C36	ND	10.0	mg/kg						
Surrogate: 1-Chlorooctane	41.4		mg/kg	50.0		82.7	48.2-134		
Surrogate: 1-Chlorooctadecane	42.6		mg/kg	50.0		85.1	49.1-148		

LCS (3040620-BS1)

Prepared: 06-Apr-23 Analyzed: 10-Apr-23

GRO C6-C10	191	10.0	mg/kg	200		95.3	78.5-124		
DRO >C10-C28	192	10.0	mg/kg	200		95.8	72.5-126		
Total TPH C6-C28	382	10.0	mg/kg	400		95.6	77.6-123		
Surrogate: 1-Chlorooctane	48.7		mg/kg	50.0		97.3	48.2-134		
Surrogate: 1-Chlorooctadecane	47.5		mg/kg	50.0		94.9	49.1-148		

LCS Dup (3040620-BS1)

Prepared: 06-Apr-23 Analyzed: 10-Apr-23

GRO C6-C10	189	10.0	mg/kg	200		94.5	78.5-124	0.900	17.7
DRO >C10-C28	186	10.0	mg/kg	200		93.2	72.5-126	2.70	21
Total TPH C6-C28	375	10.0	mg/kg	400		93.9	77.6-123	1.80	18.5
Surrogate: 1-Chlorooctane	48.0		mg/kg	50.0		96.0	48.2-134		
Surrogate: 1-Chlorooctadecane	46.8		mg/kg	50.0		93.5	49.1-148		

Batch 3041217 - General Prep - Organics**Blank (3041217-BLK1)**

Prepared & Analyzed: 12-Apr-23

GRO C6-C10	ND	10.0	mg/kg						
DRO >C10-C28	ND	10.0	mg/kg						
EXT DRO >C28-C36	ND	10.0	mg/kg						
Surrogate: 1-Chlorooctane	47.5		mg/kg	49.6		95.9	48.2-134		
Surrogate: 1-Chlorooctadecane	52.2		mg/kg	50.0		104	49.1-148		

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Analytical Results For:

EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477

Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NA

Reported:
24-Apr-23 09:27

Petroleum Hydrocarbons by GC FID - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3041217 - General Prep - Organics**LCS (3041217-BS1)**

Prepared & Analyzed: 12-Apr-23

GRO C6-C10	187	10.0	mg/kg	200		93.6	78.5-124			
DRO >C10-C28	184	10.0	mg/kg	200		91.9	72.5-126			
Total TPH C6-C28	371	10.0	mg/kg	400		92.7	77.6-123			
Surrogate: 1-Chlorooctane	47.9		mg/kg	49.6		96.7	48.2-134			
Surrogate: 1-Chlorooctadecane	49.3		mg/kg	50.0		98.7	49.1-148			

LCS Dup (3041217-BS1)

Prepared & Analyzed: 12-Apr-23

GRO C6-C10	205	10.0	mg/kg	200		102	78.5-124	8.89	17.7	
DRO >C10-C28	188	10.0	mg/kg	200		94.2	72.5-126	2.47	21	
Total TPH C6-C28	393	10.0	mg/kg	400		98.2	77.6-123	5.76	18.5	
Surrogate: 1-Chlorooctane	48.7		mg/kg	49.6		98.4	48.2-134			
Surrogate: 1-Chlorooctadecane	56.6		mg/kg	50.0		113	49.1-148			

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Analytical Results For:

EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477

Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NA

Reported:
24-Apr-23 09:27

Volatile Organic Compounds by EPA Method 8260B - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3040606 - Volatiles**Blank (3040606-BLK1)**

Prepared: 06-Apr-23 Analyzed: 10-Apr-23

Benzene	ND	0.025	mg/kg							
Toluene	ND	0.025	mg/kg							
Ethylbenzene	ND	0.025	mg/kg							
Total Xylenes	ND	0.075	mg/kg							
Total BTEX	ND	0.150	mg/kg							
Surrogate: Dibromofluoromethane	1.17		mg/kg	1.25		93.4	86.7-111			
Surrogate: Toluene-d8	1.24		mg/kg	1.25		99.4	89.3-110			
Surrogate: 4-Bromofluorobenzene	1.25		mg/kg	1.25		99.9	88.2-108			

LCS (3040606-BS1)

Prepared: 06-Apr-23 Analyzed: 10-Apr-23

Benzene	0.479	0.025	mg/kg	0.500		95.8	70.2-121			
Toluene	0.473	0.025	mg/kg	0.500		94.6	76.9-126			
Ethylbenzene	0.475	0.025	mg/kg	0.500		94.9	79.1-124			
m+p - Xylene	0.985	0.050	mg/kg	1.00		98.5	80.8-134			
o-Xylene	0.486	0.025	mg/kg	0.500		97.3	79-130			
Total Xylenes	1.47	0.075	mg/kg	1.50		98.1	80.5-132			
Surrogate: Dibromofluoromethane	1.21		mg/kg	1.25		97.0	86.7-111			
Surrogate: Toluene-d8	1.23		mg/kg	1.25		98.5	89.3-110			
Surrogate: 4-Bromofluorobenzene	1.28		mg/kg	1.25		102	88.2-108			

LCS Dup (3040606-BS1)

Prepared: 06-Apr-23 Analyzed: 10-Apr-23

Benzene	0.460	0.025	mg/kg	0.500		91.9	70.2-121	4.15	11.1	
Toluene	0.471	0.025	mg/kg	0.500		94.2	76.9-126	0.453	12.2	
Ethylbenzene	0.454	0.025	mg/kg	0.500		90.9	79.1-124	4.36	12.3	
m+p - Xylene	0.951	0.050	mg/kg	1.00		95.1	80.8-134	3.53	11.5	
o-Xylene	0.469	0.025	mg/kg	0.500		93.8	79-130	3.58	12.3	
Total Xylenes	1.42	0.075	mg/kg	1.50		94.7	80.5-132	3.55	11.7	
Surrogate: Dibromofluoromethane	1.20		mg/kg	1.25		95.7	86.7-111			
Surrogate: Toluene-d8	1.29		mg/kg	1.25		103	89.3-110			
Surrogate: 4-Bromofluorobenzene	1.27		mg/kg	1.25		102	88.2-108			

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Analytical Results For:

EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477

Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NA

Reported:
24-Apr-23 09:27

Volatile Organic Compounds by EPA Method 8260B - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3041245 - Volatiles**Blank (3041245-BLK1)**

Prepared: 12-Apr-23 Analyzed: 13-Apr-23

Benzene	ND	0.025	mg/kg							
Toluene	ND	0.025	mg/kg							
Ethylbenzene	ND	0.025	mg/kg							
Total Xylenes	ND	0.075	mg/kg							
Total BTEX	ND	0.150	mg/kg							
Surrogate: Dibromofluoromethane	1.22		mg/kg	1.25		98.0	86.7-111			
Surrogate: Toluene-d8	1.26		mg/kg	1.25		101	89.3-110			
Surrogate: 4-Bromofluorobenzene	1.22		mg/kg	1.25		97.5	88.2-108			

LCS (3041245-BS1)

Prepared: 12-Apr-23 Analyzed: 13-Apr-23

Benzene	0.456	0.025	mg/kg	0.500		91.1	70.2-121			
Toluene	0.453	0.025	mg/kg	0.500		90.7	76.9-126			
Ethylbenzene	0.462	0.025	mg/kg	0.500		92.3	79.1-124			
m+p - Xylene	0.947	0.050	mg/kg	1.00		94.7	80.8-134			
o-Xylene	0.458	0.025	mg/kg	0.500		91.7	79-130			
Total Xylenes	1.41	0.075	mg/kg	1.50		93.7	80.5-132			
Surrogate: Dibromofluoromethane	1.25		mg/kg	1.25		99.8	86.7-111			
Surrogate: Toluene-d8	1.23		mg/kg	1.25		98.3	89.3-110			
Surrogate: 4-Bromofluorobenzene	1.26		mg/kg	1.25		101	88.2-108			

LCS Dup (3041245-BS1)

Prepared: 12-Apr-23 Analyzed: 13-Apr-23

Benzene	0.427	0.025	mg/kg	0.500		85.3	70.2-121	6.58	11.1	
Toluene	0.444	0.025	mg/kg	0.500		88.8	76.9-126	2.10	12.2	
Ethylbenzene	0.418	0.025	mg/kg	0.500		83.6	79.1-124	9.89	12.3	
m+p - Xylene	0.868	0.050	mg/kg	1.00		86.8	80.8-134	8.68	11.5	
o-Xylene	0.428	0.025	mg/kg	0.500		85.7	79-130	6.80	12.3	
Total Xylenes	1.30	0.075	mg/kg	1.50		86.4	80.5-132	8.06	11.7	
Surrogate: Dibromofluoromethane	1.23		mg/kg	1.25		98.8	86.7-111			
Surrogate: Toluene-d8	1.30		mg/kg	1.25		104	89.3-110			
Surrogate: 4-Bromofluorobenzene	1.22		mg/kg	1.25		97.4	88.2-108			

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Analytical Results For:

EN-CLOSURE, LLC
11822 BROOK MEADOWS
MEADOWSPLACE TX, 77477

Project: SAND DUNES 4
Project Number: NONE GIVEN
Project Manager: DON DUNBAR
Fax To: NA

Reported:
24-Apr-23 09:27

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

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

Celey D. Keene, Lab Director/Quality Manager

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

Notes and Definitions

QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "C. D. Keene", written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

272

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

3/6

Company Name: EN-CLOSURE, LLC		P.O. #: N/A		BILL TO		ANALYSIS REQUEST													
Project Manager: DON DUNBAR		Company: EN-CLOSURE, LLC																	
Address: PO BOX 5336		Attn: DON DUNBAR																	
City: SAN ANGELO		Address: PO BOX 5336																	
State: TX Zip: 76902		City: SAN ANGELO																	
Phone #: (713) 504-2873		State: TX Zip: 76902																	
Fax #:		Phone #: (713) 504-2873																	
Project #:		Fax #:																	
Project Name: SAND PUNES 4																			
Project Location: LOVIN6, N.M.																			
Sample Name: BRAD ALKED																			
FOR LAB USE ONLY																			
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	PH - 9040B	CHLORIDES - SM 4500CL-B	BTEX - 8260	TPH - 8015	CL added 4-18-23
11	SB-36(0-0.5')	X	1	X	X	X	X	X	X	X	X	X	0910	0910	X	X	X	X	X
13	SB-36(1.5-2.0')	X	1	X	X	X	X	X	X	X	X	X	0915	0915	X	X	X	X	X
14	SB-37(0-0.5')	X	1	X	X	X	X	X	X	X	X	X	0915	0915	X	X	X	X	X
15	SB-38(0-0.5')	X	1	X	X	X	X	X	X	X	X	X	0950	0950	X	X	X	X	X
16	SB-38(1.5-2.0')	X	1	X	X	X	X	X	X	X	X	X	0950	0950	X	X	X	X	X
17	SB-39(0-0.5')	X	1	X	X	X	X	X	X	X	X	X	0955	0955	X	X	X	X	X
18	SB-39(1.5-2.0')	X	1	X	X	X	X	X	X	X	X	X	1000	1000	X	X	X	X	X
19	SB-40(0-0.5')	X	1	X	X	X	X	X	X	X	X	X	1000	1000	X	X	X	X	X
20	SB-40(1.5-2.0')	X	1	X	X	X	X	X	X	X	X	X	1000	1000	X	X	X	X	X

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Relinquished By: Brad Alkin Date: 09/05/23 Received By: [Signature] Date: 09/05/23

Delivered By: (Circle One) Observed Temp. °C 3.9 Sample Condition Cool Intact ☒ Yes ☐ No Checked By: (Initials) A.E.

Sampler - UPS - Bus - Other: Corrected Temp. °C 3.3

Turnaround Time: 5 DAY TAT Standard ☒ Rush ☐ Bacteria (only) Sample Condition Cool Intact ☒ Yes ☐ No Corrected Temp. °C

Thermometer ID #113 Correction Factor -0.6°C

Verbal Result: ☐ Yes ☐ No Add'l Phone #: All Results are emailed. Please provide Email address: REMARKS:

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

3/6

Company Name: EN-CLOSURE, LLC Project Manager: DON DUNBAR Address: PO BOX 5336 City: SAN ANGELO State: TX Zip: 76902 Phone #: (713) 504-2873 Fax #: Project #: Project Owner: Project Name: SAND PUNES 4 Project Location: LOVIN6, N.M. Sampler Name: BRAD ALKER		P.O. #: N/A Company: EN-CLOSURE, LLC Attn: DON DUNBAR Address: PO BOX 5336 City: SAN ANGELO State: TX Zip: 76902 Phone #: (713) 504-2873 Fax #:	
FOR LAB USE ONLY		BILL TO	
Lab I.D. Sample I.D.		ANALYSIS REQUEST	
PLEASE NOTE: Liability and Damages. Cardinal's liability and clients exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analysis. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruption, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.		PH - 90403 CHLORIDES - SM 4500 CL-B BTEX - 8021 8260 TPH - 8015 CL added 4-18-23 TO	
Relinquished By: <i>Brad Alker</i> Relinquished By: <i>Don Dunbar</i> Date: 04/05/23 Time: 1:05 Received By: <i>Don Dunbar</i> Received By: <i>Don Dunbar</i> Date: 04/05/23 Time: 1:05		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #: All Results are emailed. Please provide Email address: REMARKS:	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Observed Temp. °C: 39 Corrected Temp. °C: 3.3 Sample Condition: <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Cool <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No CHECKED BY: (Initials) <i>AD</i> Turnaround Time: 5 DAY TAT Thermometer ID #113 Correction Factor -0.8°C Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/> Bacteria (only) Sample Condition: <input type="checkbox"/> Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No Observed Temp. °C: Corrected Temp. °C:	

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4/6

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5/6

ANALYSIS REQUEST

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ENDING SHALLOW S/

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[illegible]

Add'l Phone #:

de Email address:

	Bacteria (only)	Sample C
Cool	Intact	Observe

<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	Correct
<input type="checkbox"/> No	<input type="checkbox"/> No	

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

6/6

Company Name: EN-CLOSURE, LLC		P.O. #: N/A		BILL TO		ANALYSIS REQUEST															
Project Manager: DON DUNBAR		Company: EN-CLOSURE, LLC																			
Address: PO BOX 5336		Attn: DON DUNBAR																			
City: SAN ANGELO		Address: PO BOX 5336																			
State: TX Zip: 76902		City: SAN ANGELO																			
Phone #: (713) 504-2873 Fax #:		State: TX Zip: 76902																			
Project #:		Phone #: (713) 504-2873 Fax #:																			
Project Name: SAND DUNES 4																					
Project Location: LOVIN6, N.M.																					
Sample Name: BAD ALICEA																					
FOR LAB USE ONLY																					
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME	PH - 90403	CHLORIDES - SM 4500 CL-B	BTEX - 8031 8260	TPH - 8015	CL added 4/20/23 TO		
HB3594	56	X	1	X	X	X	X	X	X	X	X	X	04/09/23	1130	X	X	X	X			
51	SB-1 (0-0.5')	X	1	X	X	X	X	X	X	X	X	X	04/09/23	1130	X	X	X	X			
52	SB-2 (1.5-2.0')	X	1	X	X	X	X	X	X	X	X	X	04/09/23	1130	X	X	X	X			
	SB-3 (0-0.5')	X	1	X	X	X	X	X	X	X	X	X	04/09/23	1130	X	X	X	X			
	SB-4 (0-0.5')	X	1	X	X	X	X	X	X	X	X	X	04/09/23	1130	X	X	X	X			
	SB-5 (1.5-2.0')	X	1	X	X	X	X	X	X	X	X	X	04/09/23	1130	X	X	X	X			
	SB-6 (0-0.5')	X	1	X	X	X	X	X	X	X	X	X	04/09/23	1130	X	X	X	X			
	SB-7 (1.5-2.0')	X	1	X	X	X	X	X	X	X	X	X	04/09/23	1130	X	X	X	X			
	SB-8 (0-0.5')	X	1	X	X	X	X	X	X	X	X	X	04/09/23	1130	X	X	X	X			
	SB-9 (1.5-2.0')	X	1	X	X	X	X	X	X	X	X	X	04/09/23	1130	X	X	X	X			
	SB-10 (0-0.5')	X	1	X	X	X	X	X	X	X	X	X	04/09/23	1130	X	X	X	X			
	SB-11 (1.5-2.0')	X	1	X	X	X	X	X	X	X	X	X	04/09/23	1130	X	X	X	X			
	SB-12 (0-0.5')	X	1	X	X	X	X	X	X	X	X	X	04/09/23	1130	X	X	X	X			
	SB-13 (1.5-2.0')	X	1	X	X	X	X	X	X	X	X	X	04/09/23	1130	X	X	X	X			
PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether in contract or tort, shall be limited to the amount paid by the client for the analysis. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services furnished by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.		Relinquished By: <i>Brad Allen</i>		Date: 04/13/23		Received By: <i>Don Dunbar</i>		Date: 04/13/23		Time: 1130		PH - 90403		CHLORIDES - SM 4500 CL-B		BTEX - 8031 8260		TPH - 8015		CL added 4/20/23 TO	
Delivered By: (Circle One)		Observed Temp. °C		Corrected Temp. °C		Sample Condition		CHECKED BY: (Initials)		Turnaround Time: 5 DAY TAT		Standard		Bacteria (only)		Sample Condition		Observed Temp. °C		Corrected Temp. °C	
Sampler - UPS - Bus - Other:		3.9		3.3		Cool Intact		Y		5 DAY TAT		Rush		Cool Intact		Observed Temp. °C		Corrected Temp. °C			
Port # 00000000000000000000						Cool Intact		Y						Cool Intact							
Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com						Cool Intact		Y						Cool Intact							

WATER WELL RECORD



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

OSE DJJ DEC 21 2022 PM 3:17

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) C-04687- POD 1		WELL TAG ID NO.		OSE FILE NO(S). C-04687		
	WELL OWNER NAME(S) OXY USA INC				PHONE (OPTIONAL) 575-390-28285		
	WELL OWNER MAILING ADDRESS PO BOX 4294				CITY HOUSTON		
					STATE TX		
					ZIP 77210		
WELL LOCATION (FROM GPS)	DEGREES	MINUTES	SECONDS				
	LATITUDE	32	13	41.99	N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND	
	LONGITUDE	-103	43	55.00	W	* DATUM REQUIRED: WGS 84	
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE SUNDANCE SDS 11-1 SWD							
2. DRILLING & CASING INFORMATION	LICENSE NO. WD-1184		NAME OF LICENSED DRILLER RUSSELL SOUTHERLAND			NAME OF WELL DRILLING COMPANY WEST TEXAS WATER WELL SERVICE	
	DRILLING STARTED 11/29/2022		DRILLING ENDED 11/29/2022		DEPTH OF COMPLETED WELL (FT) 110		
					BORE HOLE DEPTH (FT)		
					DEPTH WATER FIRST ENCOUNTERED (FT)		
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)					STATIC WATER LEVEL IN COMPLETED WELL (FT) N/A	
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:						
	DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY:						
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)
	FROM	TO					
				NO CASING IN HOLE			
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT	
	FROM	TO					
				N/A			

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 04/30/19)

FILE NO.	C-04687	POD NO.	1	TRN NO.	739086
LOCATION	24S. 31E. 12. 4. 2. 3			WELL TAG ID NO.	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL

5. TEST: RIG SUPERVISION

6. SIGNATURE

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 04/30/2019)	
FILE NO.	C-04687	POD NO.	1
LOCATION		TRN NO.	739086
745.31E.12.4.2.3		WELL TAG ID NO.	PAGE 2 OF 2

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

Action 234202

CONDITIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 234202
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
scwells	None	12/19/2023