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MEMORANDUM

TO: Ms. Brittany Hall, Environmental Specialist, EMNRD Oil Conservation Division

FROM: Emily Woolsey; Senior Hydrogeologist, Project Manager INTERA

DATE: June 7, 2024

RE: Updated Soil Contamination Delineation Report – OCD Reed Estate #001 Wellsite Remediation

Introduction

INTERA Incorporated (INTERA) has prepared this updated Delineation Report for the New Mexico Energy, Minerals and Natural Resources Department (EMNRD) Oil Conservation Division (OCD) for ongoing salvage, remediation, reclamation, and restoration services at the Reed Estate #001 orphaned wellsite located northeast of Lovington, New Mexico, in Lea County (the Site). INTERA implemented a Drilling Investigation at the Site from May 14, 2024, to May 24, 2024, to further delineate areas of contaminated soil in accordance with the Drilling Investigation Addendum to the Remediation and Reclamation Work Plan (INTERA, 2023 and 2024). This work was performed by INTERA under Contract No. 52100-0000074982 issued by the State of New Mexico General Services Department (NMGSD) on July 28, 2023, through Price Agreement No. 30-00000-22-00001, valid through February 26, 2025. This memorandum summarizes the results of drilling activities and estimates the amount of impacted soil remaining.

Deviations from the Work Plan include a reduction in the number of soil borings due to the ten-day event duration limitation compounded with drilling rate challenges encountered through the caliche and dense bedrock material; the number of soil borings was decreased from 25 to 15.

Background

In late November 2023, Unlimited Construction II (with oversight by INTERA) began dig and haul remediation activities to address historical releases of petroleum products from the former tank battery and oil and gas well at the Site. Elevated chloride concentrations above the remediation standard (600 mg/kg) were present both within and outside of hydrocarbon-impacted areas (> 100 mg/kg total petroleum hydrocarbons, or TPH). The excavation continued to expand both laterally and vertically, and in January 2024, the project team paused remedial activities to further delineate the extent of chloride impacts.

INTERA conducted a pothole delineation investigation in mid to late January 2024, which revealed an additional estimated 21,091 square feet (sq ft) area of chloride contamination concentrated in the southwest portion of the Site. This information was used to guide the next phase of dig and haul remediation activities, which began in February 2024. The pothole investigation was conducted using an

excavator with a 20 ft maximum extension limitation. In early May 2024, excavation confirmation sample results continued to exceed regulatory criteria at depths more than 20 feet below ground surface (ft bgs), and the soil profile, consisting predominantly of caliche with bedrock had become increasingly more difficult to excavate with depth. Accordingly, the project team planned a soil boring delineation drilling event for mid- to late May. The delineation activities performed during the May 2024 drilling event are described in the following section, and in the INTERA Drilling Investigation Addendum Work Plan submitted for the event (INTERA, 2024).

Field Activities Performed

The objective of the May 2024 Drilling Investigation was to reduce risk and uncertainty of the ongoing excavation activities by characterizing the vertical and horizontal extent of contamination still in need of remediation at the Site. Unlimited Construction II engaged Talon/LPE as the drilling contractor, and INTERA provided drilling oversight services to log soil borings, collect samples for field screening, and to transmit samples to the laboratory. Drilling Investigation activities were generally focused on non-delineated areas in the northwest and southwest corners of the Site. Priority was given to locations with the most significant data gaps in order to further refine contamination delineation. Boring locations were prioritized to first determine the maximum depth of contamination in areas identified during the pothole investigation as contaminated to at least 20 ft bgs, but were previously limited by the extent of the excavator arm, etc. Once maximum contamination depth was determined in multiple locations, the priority shifted to defining the horizontal extent boundary.

In total, Talon/LPE advanced 15 borings around the excavation (locations SB-02 through SB-26, **Figure 1**), from which INTERA submitted 33 samples to Cardinal Laboratories in Hobbs, NM. INTERA screened soil samples for volatile organic compounds, total petroleum hydrocarbons, specific conductivity, and chlorides in the field prior to submission to the laboratory. Cardinal Laboratory analyzed soil samples using the following methods:

- Chloride by United States Environmental Protection Agency (EPA) Method SM4500;
- BTEX VOCs by EPA Method 8021B; and
- TPH-GRO, -DRO, and -MRO by EPA Method 8015M/D.

INTERA assigned sample IDs for primary (non-quality assurance and quality control [QA/QC]) soil characterization samples as follows:

Boring number (top depth - bottom depth)

Where:

Boring number = assigned boring number, (e.g.., SB-03)
top depth = depth (in ft bgs) of the top of the sampled interval
bottom depth = depth (in ft bgs) of the base of the sampled interval

Example:

SB-03 (10-12.5) = soil sample collected from SB-03 from 10 to 12.5 ft bgs.

While drilling, INTERA collected observations of soil characteristics in accordance with the ASTM Standard D 2488-17e1, Standard Practice for Description and Identification of Soils (Visual-Manual Procedure; ASTM 2018). Talon/LPE used a Geoprobe track mounted 8150 LS sonic drill rig to advance soil borings. Daily activity summaries were provided by INTERA to the client and all contractors.

Geologic observations collected by INTERA during this field event are generally consistent with what was described in the work plan (INTERA 2024). Soil sediments from ground surface to approximately 2 ft bgs consist of dark brown, well sorted, fine to coarse grained loose sands with some gravel and organics. Between 2 ft and approximately 25 ft bgs, the soil sediments encountered typically consist of a tan to light brown, fine to medium grained, caliche with gravel, and occasional sand lenses. Beginning at approximately 25 ft bgs, the stratigraphy transitions to a dense, well-cemented calcrete, consisting primarily of calcite (calcium carbonate) and silica. A photolog of drilling oversight observations is included in **Appendix A** and boring logs from the drilling investigation are provided in **Appendix B**.

Soil boring locations were logged in the field using a combination of a GPS booster with a handheld tablet or smartphone. Although the horizontal accuracy claim from this device combination is 1.5 meters, field measurements and triangulation from known points on site such as the well monument and southwest fence corner indicate GPS locations vary by +/- 15 ft.

Delineation Investigation Results and Volume Estimate

Analytical results from the May 2024 drilling event are provided in **Appendix C** and summarized in **Table 1**. The results indicate a maximum vertical contamination depth of 24 ft in SB-17 and up to 25 ft in SB-19 according to field screening measurements (**Appendix B**). The current excavation area and additional soil contamination areas that require remediation are depicted in **Figure 1**. The status of floor and wall confirmation samples within the excavation are indicated with colored polygons and polylines, respectively, with green indicating a passing sample, blue indicating passing field screening, and red or orange samples representing areas exceeding the remediation criteria as determined by the lab or during field screening, respectively. The contours in **Figure 1** represent the contamination depth estimates ranging from 0 ft to 25 ft based on lab results and field screening measurements.

As shown in **Figure 1**, impacted soil remains to the southwest and south of the current excavation footprint, and is delineated by borings SB-26, SB-08, SB-18, and SB-04, and January 2024 pothole samples PH-M, PH-Y, PH-AB, PH-H, PH-Z, Background B, and PH-W. Similarly, the northern extent of the excavation is delineated by soil borings SB-25, SB-02, and SB-03. INTERA used the updated vertical and horizontal contamination extents interpolated from the soil boring data to refine the volume estimates of impacted material in Civil3D, which are summarized below.

Additional Excavation	Surface Area (ft^2)	Volume (CY)
Current excavation areas (northern) still in exceedance of release criteria	7,655	3,030
Southwest area in exceedance of release criteria (future excavation)	22,850	10,950

Total additional contaminated soil (in ground volume) in need of remediation	-	13,980
Excavated bulking factor (20%)	-	2,796
Total additional contaminated soil (excavated volume) in need of remediation	-	**16,776**

These volumes are based on the surface area for each contamination depth category in the newly delineated area, as well as the portions of the current excavation that require further excavation. As shown on **Figure 1**, our estimate of remaining soil impacts is as follows:

- **Northern Excavation Area**: an approximately 7,655 square foot area in the northern portion of the Site requires further removal, equating to approximately 3,030 CY of soil.
- **Southwest Area**: an approximately 22,850 square foot area of affected soil was estimated in the area southwest of the current excavation. This equals approximately 10,950 CY of impacted soil.

In total, approximately 14,000 cubic yards (CY) of impacted soil are still in need of remediation, which assuming a 20% bulking factor, equates to approximately 16,800 CY of additional contaminated soil to be hauled offsite.

INTERA has used the following assumptions in this volume estimate:

- Includes both the newly delineated areas and any walls and floors within the current excavation that have not yet passed field screening or lab confirmation.
- Total excavated soil estimate includes a 20% bulking factor added to the in-ground volume.
- Conservative depth estimates (i.e. if a soil sample failed screening at 10 ft depth, but passed screening at 15 ft depth, the volume estimate assumes up to 15 ft floor excavation at that location).
- For the current excavation areas that still exceed remediation criteria, an additional excavation depth of approximately 10 ft was assumed, or to the maximum depth of nearby passing samples where appropriate.
- Design plans including sloping and benching for excavation depths beyond 20 ft bgs will increase the volume of excavated material. This overburden material volume has not been included in INTERA's estimates of additional excavation of impacted soils.
- This volume estimate is based on available data with no contingency built-in for uncertainty. For budgeting purposes, we recommend adding a 10-20% contingency to the volume estimate.

Schedule

Based on the estimated volume of impacted soil remaining at the Site, the anticipated duration for soil remediation and surface reclamation would be approximately 15 weeks from the re-mobilization start date. The continued process of closing the Site includes additional excavation and disposal of contaminated soil, field screening analysis, collection of composite and grab samples of the subgrade

soil, lab results analysis of confirmation samples, backfill and compaction of the excavation area, regrading of the excavation area, and seeding of all disturbed areas.

References

ASTM. 2018. ASTM D2488, Standard Practice for Description and Identification of Soils (Visual-Manual Procedures), ASTM International, West Conshohocken, PA., www.astm.org.

INTERA Incorporated (INTERA). 2024. Additional Drilling Investigation – Addendum to Remediation and Reclamation Work Plan. Reed Estate #001 Orphan Wellsite, Lea County, New Mexico. Prepared for: State of New Mexico Energy, Minerals & Natural Resources, Department Oil Conservation Division. May 2024.

_____. 2023. Remediation and Reclamation Work Plan. Reed Estate #001 Orphan Wellsite, Lea County, New Mexico, prepared for New Mexico Energy, Minerals and Natural Resources Department - Oil Conservation Division. August 2023.

Tables

Soil Contamination Delineation Report

OCD Reed Estate Wellsite Remediation FY24

Table 1
Soil Delineation Boring Field Readings and Analytical Results
Reed Estate #001, Lea County, NM

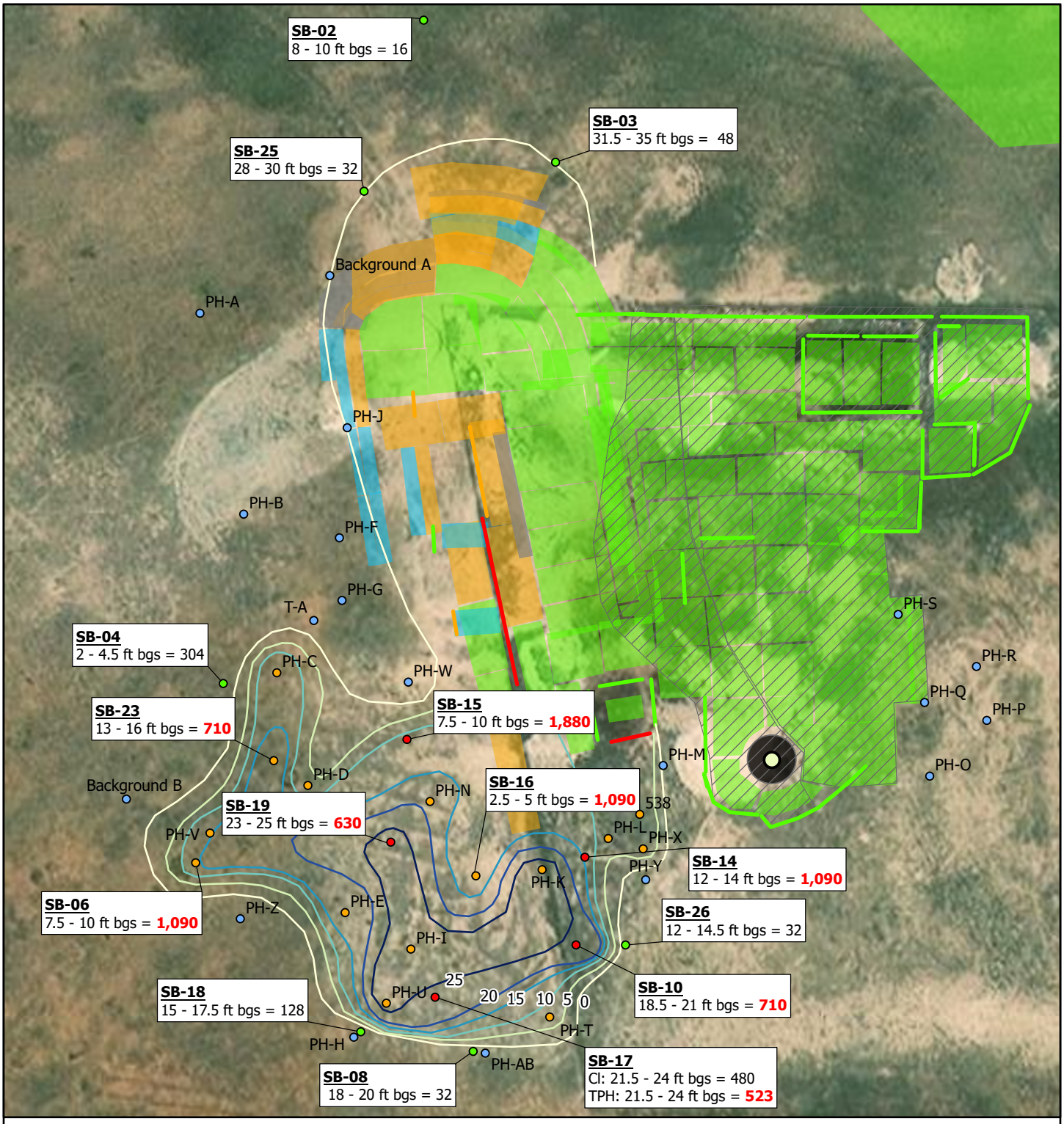
Sample Name / ID	Sample Date	Boring ID	Depth Interval (ft bgs)	Field Readings			Lab Pass/Fail?	Laboratory Results		
				PID (ppm)	SPC (µS/cm)	Cl (ppm)		∑ TPH [mg/kg]	∑ BTEX [mg/kg]	Cl [mg/kg]
SB-02 (8-10)	5/14/2024	SB-02	8-10	1	509	42	Pass	<30	<0.30	16.0
SB-02 (34.5-36)	5/14/2024	SB-02	34.5-36	0	185	<31	Pass	<30	<0.30	16.0
SB-03 (10-12.5)	5/15/2024	SB-03	10-12.5	1	1117	36	Pass	<30	<0.30	32.0
SB-03 (31.5-35)	5/15/2024	SB-03	31.5-35	0	633	42	Pass	15.4	<0.30	48.0
SB-04 (2-4.5)	5/22/2024	SB-04	2-4.5	0	1650	71	Pass	<30	<0.30	304
SB-04 (21-24)	5/23/2024	SB-04	21-24	0	257.9	<31	Pass	<30	<0.30	48
SB-06 (10-12.5)	5/23/2024	SB-06	10-12.5	6	2990	98	Pass	24.7	<0.30	560
SB-06 (15-17)	5/23/2024	SB-06	15-17	1	781	42	Pass	<30	<0.30	144
SB-08 (11-13)	5/23/2024	SB-08	11-13	0	277	<31	Pass	<30	<0.30	16
SB-08 (18-20)	5/23/2024	SB-08	18-20	0	180.8	<31	Pass	<30	<0.30	32
SB-10 (9.5-12)	5/22/2024	SB-10	9.5-12	1	16910	420	Fail	<30	<0.30	**4560**
SB-10 (23-25)	5/22/2024	SB-10	23-25	0	361.5	<31	Pass	16.8	<0.30	48
SB-14 (5-7)	5/18/2024	SB-14	5-7	0	7631	297	Fail	<30	<0.30	**2560**
SB-14 (34-35)	5/18/2024	SB-14	34-35	57/0	280.5	<31	Pass	<30	<0.30	48.0
SB-15 (7.5-10)	5/20/2024	SB-15	7.5-10	6	7742	319	Fail	<30	<0.30	**1,880**
SB-15 (30.5-33)	5/20/2024	SB-15	30.5-33	0	117.1	<31	Pass	29.5	<0.30	32.0
SB-16 (20.5-23)	5/20/2024	SB-16	20.5-23	35	331.3	<31	Pass	<30	<0.30	48.0
SB-16 (34-36)	5/20/2024	SB-16	34-36	0	192.6	<31	Pass	<30	<0.30	32.0
SB-17 (7.5-10)	5/16/2024	SB-17	7.5-10	1	13470	450	Fail	<30	<0.30	**4100.0**
SB-17 (16.5-19)	5/16/2024	SB-17	16.5-19	0	7834	257	Fail	<30	<0.30	**1950.0**
SB-17 (21.5-24)	5/21/2024	SB-17	21.5-24	1	888	<31	Fail	**523**	<0.30	480
SB-17 (41-44)	5/22/2024	SB-17	41-44	9	239.2	<31	Pass	72.4	<0.30	48
SB-18 (15-17.5)	5/17/2024	SB-18	15-17.5	0	739	<31	Pass	13.4	<0.30	128.0
SB-18 (33-36)	5/17/2024	SB-18	33-36	0	166	<31	Pass	<30	<0.30	80
SB-19 (12-14)	5/19/2024	SB-19	12-14	0	33240	646	Fail	23.2	<0.30	**11,600**
SB-19 (35-37)	5/19/2024	SB-19	35-37	1	213.9	<31	Pass	<30	<0.30	48.0
SB-23 (11-13)	5/20/2024	SB-23	11-13	0	2054	88	Pass	<30	<0.30	528
SB-23 (32.5-35)	5/21/2024	SB-23	32.5-35	0	2054	88	Pass	12.6	<0.30	32
SB-123 (32.5-35)	5/21/2024	SB-23	32.5-35	3	323.1	<31	Pass	<30	<0.30	32
SB-25 (28-30)	5/15/2024	SB-25	28-30	51	866	42	Pass	44.2	<0.30	32.0
SB-25 (32.5-35)	5/15/2024	SB-25	32.5-35	0	700	42	Pass	<30	<0.30	16.0
SB-26 (4-6)	5/23/2024	SB-26	4-6	2	290.5	31	Pass	<30	<0.30	32
SB-26 (12-14.5)	5/23/2024	SB-26	12-14.5	1	440.2	<31	Pass	<30	<0.30	32

Notes:
mg/kg: milligrams per kilogram; ppm: parts per million; SPC: specfic conductivity; µS/cm: microsiemens per centimeter
Laboratory analytical results compared to conservative cleanup criteria from 19.15.29.12 NMAC:
Total Petroleum Hydrocarbons (TPH): 100 mg/kg total (GRO+DRO+MRO);
Benzene, ethylbenzene, toluene, and xylene (BTEX): 50 mg/kg, or 10 mg/kg benzene; and
Chloride (Cl): 600 mg/kg.
Soil sample depths in feet below ground surface.
'<' analyte not detected above laboratory method detection limit.
Red/Bold indicates values in excess of release limits.
Sample SB-123 (32.5-35) is a duplicate of SB-23 (32.5-35).

Figures

Soil Contamination Delineation Report

OCD Reed Estate Wellsite Remediation FY24



Legend

Well Monument
10 ft buffer
Area with Backfill

Composite Wall Samples
Lab Pass
Lab Fail
Screen Fail

Composite Floor Samples
Lab Pass
Lab Fail
Screen Pass
Screen Fail
Pending Bench

Potholes and Soil Borings
Lab Pass
Lab Fail
Screen Pass
Screen Fail

Contamination Depth Contours (ft bgs)
0
5
10
15
20
>25

N

50 25 0 50
Feet

Location ID
Displayed Cl or TPH (mg/kg) value represents maximum depth of failing field proxy or lab results

Bold/Red indicates value in excess of the 19.15.29 NMAC Release Limits Standards.

Notes:
Hydrocarbons were not found in pothole or soil boring screening in exceedance of NMAC standards with the exception of SB-17. All Results are Chlorides unless specified to be TPH.
Cl = Chloride
TPH = Total Petroleum Hydrocarbons
ft bgs = feet below ground surface
mg/kg = milligram per kilogram
NMAC Standards: Cl = 600 mg/kg, TPH = 100 mg/kg

Source(s): Aerial - Esri World Imagery

INTERA

Figure 1
Updated Soil Contamination Delineation
Reed Estate #001
Lea County, NM

FILE: S:\ABQ\NMGSD.M005.OCD\Reed_Estate\Graphics\MapDocs\OCD_Reed_Estate_FieldMaps.aprx Layout: Updated Delineation Figure Date: 6/7/2024

Appendix A

Photolog – Drilling Investigation

OCD Reed Estate Wellsite Remediation FY24

Photograph 1: Positioning track mounted sonic core rig over marked borehole location

Photograph 2: Talon LPE – typical Geoprobe 8150LS sonic drill rig setup

Photograph 3: Drilling rods and casing staged near rig during drilling

Photograph 4: INTERA geologist collecting core samples for field screening and borehole logging

Photograph 5: Sonic core samples of dark sandy top soil and lighter colored caliche material

Photograph 6: INTERA geologists logging and field screening drilling samples for hydrocarbons and chlorides

Photograph 7: Backfilling borings with 3/8” Hole Plug bentonite chips

Photograph 8: Adding water to backfilled borings in order to hydrate the bentonite chips

Photograph 9: INTERA taking tape measurements of soil boring locations

Appendix B

Boring Logs – Drilling Investigation

OCD Reed Estate Wellsite Remediation FY24

SB-02

INTERA

Project Name: OCD Reed Estate

Project #: NMGSD.M005.OCD-REED1FY24

LOG OF BORING: SB-02

Date Started:	05-14-2024	DTW (ft bgs):	Not Encountered
Date Completed:	05-14-2024	Boring Depth (ft bgs):	36.00
Drilling Method:	Sonic	Boring Diameter (in):	4.00
Sampling Method:	Continuous Core	Elevation (ft)*:	3691.21
Drilling Company:	Talon LPE	Latitude**:	33.001683
Driller:	J. Tomayo	Longitude**:	-103.08293
Logged By:	B. Williamson		

Depth (ft bgs)	Elevation (ft)	Lab Sample	PID (ppmv)	SPC (uS/cm)	Cl (ppm)	Lithology	Lithologic Description
0	3690		1	582	42		Poorly Graded SAND (SP), fine grained, subrounded to subangular; few (5-10%) Clay; trace (<5%) Gravel, fine to coarse grained, subrounded to subangular; 10YR 8/1 (white), very loose, dry, no staining, strong HCl reaction, weak hydrocarbon odor, powdery caliche
			1	410.9	36		Poorly Graded SAND (SP), fine grained, subrounded to subangular; trace (<5%) Clay; trace (<5%) Gravel, fine to coarse grained, subrounded to subangular; 7.5YR 8/2 (pinkish white), very loose, dry, no odor, no staining, strong HCl reaction, powdery caliche
5			0	411.3	36		
			0	474	31		
			1	509	42		**SB-02 (8-10) Lab Results: ∑TPH <30 mg/kg, ∑BTEX <0.30 mg/kg, Cl = 16.0 mg/kg**
10	3680		0	565	36		
			0	333.2	<31		Well-Graded SAND with Gravel (SW), fine to coarse grained, subrounded to subangular; trace (<5%) Clay; little (15-25%) Gravel, fine to coarse grained, rounded to subangular; 7.5YR 8/2 (pinkish white) with 10YR 8/3 (very pale brown), very loose, dry to moist, no odor, no staining, strong HCl reaction, caliche w/ small 3-5 cm thick moist intervals, max grain size 150 mm
15							

Lab Samples: Soil, Aqueous

PID (ppmv): <1, ≥1 & <10, ≥10 & <100, ≥100

SPC (uS/cm): <1000, ≥1000 & <2000, ≥2000

Cl (ppm): <30, ≥30 & <100, ≥100

* = INTERA LiDAR Survey, April 2023
** = World Geodetic System 1984

ft = foot or feet, bgs = below ground surface, in = inches, mm = millimeters, DTW = depth to water, PID = photoionization detector, ppmv = parts per million by volume, SPC = Specific Conductivity, uS/cm = microSiemens per centimeter, Cl = chlorides, ppm = parts per million, HCl = hydrochloric acid, ∑TPH = Total Petroleum Hydrocarbons, mg/kg = milligrams per kilogram, ∑BTEX = Sum of Benezene, Toluene, Ethylbenzene, and Xylenes

INTERA

Project Name: OCD Reed Estate

Project #: NMGSD.M005.OCD-REED1FY24

LOG OF BORING: SB-02

Date Started:	05-14-2024	DTW (ft bgs):	Not Encountered
Date Completed:	05-14-2024	Boring Depth (ft bgs):	36.00
Drilling Method:	Sonic	Boring Diameter (in):	4.00
Sampling Method:	Continuous Core	Elevation (ft)*:	3691.21
Drilling Company:	Talon LPE	Latitude**:	33.001683
Driller:	J. Tomayo	Longitude**:	-103.08293
Logged By:	B. Williamson		

Depth (ft bgs)	Elevation (ft)	Lab Sample	PID (ppmv)	SPC (uS/cm)	Cl (ppm)	Lithology	Lithologic Description
			0	233.7	<31		
			0	232.2	<31		Well-Graded SAND with Gravel (SW), fine to coarse grained, subrounded to subangular; few (5-10%) Gravel, fine to coarse grained, subrounded to subangular; 7.5YR 8/1 (white), very loose, dry, no odor, no staining, strong HCl reaction, max grain size 100 mm
20			1	240.2	<31		
	3670		1	413.5	31		Well-Graded SAND with Gravel (SW), fine to coarse grained, subrounded to subangular; trace (<5%) Clay; few (5-10%) Gravel, fine grained, subrounded to subangular; 7.5YR 8/2 (pinkish white), very loose, dry to moist, no odor, no staining, strong HCl reaction, caliche, mainly medium grain sand. slightly moist, max grain size 100 mm
25			0	364.1	31		Poorly Graded SAND with Gravel (SP), fine grained, subrounded; few (5-10%) Clay; little (15-25%) Gravel, fine to coarse grained, subrounded to subangular; 10YR 8/1 (white), loose, dry, no odor, no staining, strong HCl reaction, powdery sand with chunks of well cemented caliche, max grain size 10 mm
			1	212	<31		Poorly Graded SAND with Gravel (SP), fine to medium grained, subrounded to subangular; some (30-45%) Gravel, fine to coarse grained, subrounded to angular; 10YR 8/1 (white), very loose, dry, no odor, no staining, strong HCl reaction, powdery sand w/ gravel, all caliche
30			0	224	31		

Lab Samples: Soil, Aqueous

PID (ppmv): <1, ≥1 & <10, ≥10 & <100, ≥100

SPC (uS/cm): <1000, ≥1000 & <2000, ≥2000

Cl (ppm): <30, ≥30 & <100, ≥100

* = INTERA LiDAR Survey, April 2023
** = World Geodetic System 1984

ft = foot or feet, bgs = below ground surface, in = inches, mm = millimeters, DTW = depth to water, PID = photoionization detector, ppmv = parts per million by volume, SPC = Specific Conductivity, uS/cm = microSiemens per centimeter, Cl = chlorides, ppm = parts per million, HCl = hydrochloric acid, ∑TPH = Total Petroleum Hydrocarbons, mg/kg = milligrams per kilogram, ∑BTEX = Sum of Benezene, Toluene, Ethylbenzene, and Xylenes

INTERA

Project Name: OCD Reed Estate

Project #: NMGSD.M005.OCD-REED1FY24

LOG OF BORING: SB-02

Date Started:	05-14-2024	DTW (ft bgs):	Not Encountered
Date Completed:	05-14-2024	Boring Depth (ft bgs):	36.00
Drilling Method:	Sonic	Boring Diameter (in):	4.00
Sampling Method:	Continuous Core	Elevation (ft)*:	3691.21
Drilling Company:	Talon LPE	Latitude**:	33.001683
Driller:	J. Tomayo	Longitude**:	-103.08293
Logged By:	B. Williamson		

Depth (ft bgs)	Elevation (ft)	Lab Sample	PID (ppmv)	SPC (uS/cm)	Cl (ppm)	Lithology	Lithologic Description	Depth (ft bgs)
	3660						Well-Graded SAND with Gravel (SW), fine to coarse grained, subrounded to subangular; trace (<5%) Clay; little (15-25%) Gravel, fine to coarse grained, subrounded to angular; 7.5YR 8/2 (pinkish white), loose, dry, no odor, no staining, strong HCl reaction, strong cementation, gravel is pieces of well cemented caliche, max grain size 150 mm	
							No recovery, driller thinks boring encountered a cavity	
35			0	185	<31		Well-Graded SAND (SW), fine to coarse grained, subrounded to subangular; trace (<5%) Clay; trace (<5%) Gravel, fine grained, subrounded to subangular; 7.5YR 8/2 (pinkish white), very loose, dry, no odor, no staining, strong HCl reaction **SB-02 (34.5-36) Lab Results: ∑TPH <30 mg/kg, ∑BTEX <0.30 mg/kg, Cl = 16.0 mg/kg**	35

Lab Samples
- Soil
- Aqueous

PID (ppmv)
- <1
- ≥1 & <10
- ≥10 & <100
- ≥100

SPC (uS/cm)
- <1000
- ≥1000 & <2000
- ≥2000

Cl (ppm)
- <30
- ≥30 & <100
- ≥100

* = INTERA LiDAR Survey, April 2023
** = World Geodetic System 1984

ft = foot or feet, bgs = below ground surface, in = inches, mm = millimeters, DTW = depth to water, PID = photoionization detector, ppmv = parts per million by volume, SPC = Specific Conductivity, uS/cm = microSiemens per centimeter, Cl = chlorides, ppm = parts per million, HCl = hydrochloric acid, ∑TPH = Total Petroleum Hydrocarbons, mg/kg = milligrams per kilogram, ∑BTEX = Sum of Benezene, Toluene, Ethylbenzene, and Xylenes

SB-03

INTERA

Project Name: OCD Reed Estate

Project #: NMGSD.M005.OCD-REED1FY24

LOG OF BORING: SB-03

Date Started:	05-15-2024	DTW (ft bgs):	Not Encountered
Date Completed:	05-15-2024	Boring Depth (ft bgs):	35.00
Drilling Method:	Sonic	Boring Diameter (in):	4.00
Sampling Method:	Continuous Core	Elevation (ft)*:	3691.52
Drilling Company:	Talon LPE	Latitude**:	33.001529
Driller:	J. Tomayo	Longitude**:	-103.082759
Logged By:	B. Williamson		

Depth (ft bgs)	Elevation (ft)	Lab Sample	PID (ppmv)	SPC (uS/cm)	Cl (ppm)	Lithology	Lithologic Description
0	3690		1	1048	42		Poorly Graded SAND with Gravel (SP), fine to coarse grained, subrounded to subangular; little (15-25%) Gravel, fine to coarse grained, subrounded to subangular; 10YR 8/4 (very pale brown), loose, dry, no odor, no staining, moderate HCl reaction, homogeneous sand w/ caliche
			0	880	42		
5			0	679	36		
			0	1053	36		
10	3680		1	1117	36		Clayey SAND with Gravel (SC), fine to coarse grained, subrounded to subangular; some (30-45%) Clay; little (15-25%) Gravel, fine to coarse grained, subrounded to subangular; 7.5YR 8/1 (white), loose, dry, no odor, no staining, moderate HCl reaction, max grain size 40 mm
			0	980	42		**SB-03 (10-12.5) Lab Results: ∑TPH <30 mg/kg, ∑BTEX <0.30 mg/kg, Cl = 32.0 mg/kg**
15							

Lab Samples: Soil, Aqueous

PID (ppmv): <1, ≥1 & <10, ≥10 & <100, ≥100

SPC (uS/cm): <1000, ≥1000 & <2000, ≥2000

Cl (ppm): <30, ≥30 & <100, ≥100

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** = World Geodetic System 1984

ft = foot or feet, bgs = below ground surface, in = inches, mm = millimeters, DTW = depth to water, PID = photoionization detector, ppmv = parts per million by volume, SPC = Specific Conductivity, uS/cm = microSiemens per centimeter, Cl = chlorides, ppm = parts per million, HCl = hydrochloric acid, ∑TPH = Total Petroleum Hydrocarbons, mg/kg = milligrams per kilogram, ∑BTEX = Sum of Benezene, Toluene, Ethylbenzene, and Xylenes

INTERA

Project Name: OCD Reed Estate

Project #: NMGSD.M005.OCD-REED1FY24

LOG OF BORING: SB-03

Date Started:	05-15-2024	DTW (ft bgs):	Not Encountered
Date Completed:	05-15-2024	Boring Depth (ft bgs):	35.00
Drilling Method:	Sonic	Boring Diameter (in):	4.00
Sampling Method:	Continuous Core	Elevation (ft)*:	3691.52
Drilling Company:	Talon LPE	Latitude**:	33.001529
Driller:	J. Tomayo	Longitude**:	-103.082759
Logged By:	B. Williamson		

Depth (ft bgs)	Elevation (ft)	Lab Sample	PID (ppmv)	SPC (uS/cm)	Cl (ppm)	Lithology	Lithologic Description	Depth (ft bgs)
			0	1093	42			
			0	825	42			
20							No recovery	20
	3670							
25			1	905	42		Poorly Graded SAND with Gravel (SP), fine grained, subrounded; few (5-10%) Clay; little (15-25%) Gravel, fine to coarse grained, angular; 10YR 8/1 (white), loose, dry, no odor, no staining, strong HCl reaction, powdery sand with chunks of well cemented caliche, max grain size 85 mm	25
			1	725	42		Poorly Graded SAND with Gravel (SP), fine to coarse grained, subrounded to subangular; few (5-10%) Clay; little (15-25%) Gravel, fine to coarse grained, rounded to subrounded; 10YR 8/1 (white), very loose, dry, no odor, no staining, strong HCl reaction; similar to section above, but with finer, less angular gravel; max grain size 40 mm	
30								30

Lab Samples
- Soil
- Aqueous

PID (ppmv)
- <1
- ≥1 & <10
- ≥10 & <100
- ≥100

SPC (uS/cm)
- <1000
- ≥1000 & <2000
- ≥2000

Cl (ppm)
- <30
- ≥30 & <100
- ≥100

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INTERA

Project Name: OCD Reed Estate

Project #: NMGSD.M005.OCD-REED1FY24

LOG OF BORING: SB-03

Date Started:	05-15-2024	DTW (ft bgs):	Not Encountered
Date Completed:	05-15-2024	Boring Depth (ft bgs):	35.00
Drilling Method:	Sonic	Boring Diameter (in):	4.00
Sampling Method:	Continuous Core	Elevation (ft)*:	3691.52
Drilling Company:	Talon LPE	Latitude**:	33.001529
Driller:	J. Tomayo	Longitude**:	-103.082759
Logged By:	B. Williamson		

Depth (ft bgs)	Elevation (ft)	Lab Sample	PID (ppmv)	SPC (uS/cm)	Cl (ppm)	Lithology	Lithologic Description	Depth (ft bgs)
	3660		0	853	42			
			3	633	42		SB-03 (31.5-35) Lab Results: ∑TPH 15.4 mg/kg, ∑BTEX <0.30 mg/kg, Cl = 48.0 mg/kg	
35								35

Lab Samples
- Soil
- Aqueous

PID (ppmv)
- <1
- ≥1 & <10
- ≥10 & <100
- ≥100

SPC (uS/cm)
- <1000
- ≥1000 & <2000
- ≥2000

Cl (ppm)
- <30
- ≥30 & <100
- ≥100

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SB-04

INTERA

Project Name: OCD Reed Estate

Project #: NMGSD.M005.OCDREEDFY24

LOG OF BORING: SB-04

Date Started:	05-22-2024	DTW (ft bgs):	Not Encountered
Date Completed:	05-23-2024	Boring Depth (ft bgs):	24.00
Drilling Method:	Sonic	Boring Diameter (in):	4.00
Sampling Method:	Continuous Core	Elevation (ft)*:	3694.16
Drilling Company:	Talon LPE	Latitude**:	33.000962
Driller:	J. Tomayo	Longitude**:	-103.08319
Logged By:	B. Archuleta		

Depth (ft bgs)	Elevation (ft)	Lab Sample	PID (ppmv)	SPC (uS/cm)	Cl (ppm)	Lithology	Lithologic Description
0	0		0	402.6	<31		Well-Graded SAND (SW), fine to medium grained, few (5-10%) Silt; 7.5YR 3/4 (dark brown), medium dense, dry, no odor, no staining, weak HCl reaction, weak cementation, top soil with 20 mm caliche nodules; weak caliche
			0	1650	71		Well-Graded SAND (SW), fine to medium grained, 7.5YR 8/3 (pink), medium dense, dry, no odor, no staining, strong HCl reaction, moderate cementation, nodular caliche; moderate caliche; dries chalky white **SB-04 (2-4.5) Lab Results: ∑TPH <30 mg/kg, ∑BTEX <0.30 mg/kg, Cl = 304.0 mg/kg**
5							No recovery
			0	899	36		Well-Graded SAND (SW), fine to medium grained, 7.5YR 8/3 (pink), medium dense, dry, no odor, no staining, strong HCl reaction, moderate cementation, nodular caliche; moderate caliche; dries chalky white
10	-10		0	638	42		
			0	260.3	<31		
15							

Lab Samples: Soil, Aqueous

PID (ppmv): <1, ≥1 & <10, ≥10 & <100, ≥100

SPC (uS/cm): <1000, ≥1000 & <2000, ≥2000

Cl (ppm): <30, ≥30 & <100, ≥100

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ft = foot or feet, bgs = below ground surface, in = inches, mm = millimeters, DTW = depth to water, PID = photoionization detector, ppmv = parts per million by volume, SPC = Specific Conductivity, uS/cm = microSiemens per centimeter, Cl = chlorides, ppm = parts per million, HCl = hydrochloric acid, ∑TPH = Total Petroleum Hydrocarbons, mg/kg = milligrams per kilogram, ∑BTEX = Sum of Benezene, Toluene, Ethylbenzene, and Xylenes

INTERA

Project Name: OCD Reed Estate

Project #: NMGSD.M005.OCDREEDFY24

LOG OF BORING: SB-04

Date Started:	05-22-2024	DTW (ft bgs):	Not Encountered
Date Completed:	05-23-2024	Boring Depth (ft bgs):	24.00
Drilling Method:	Sonic	Boring Diameter (in):	4.00
Sampling Method:	Continuous Core	Elevation (ft)*:	3694.16
Drilling Company:	Talon LPE	Latitude**:	33.000962
Driller:	J. Tomayo	Longitude**:	-103.08319
Logged By:	B. Archuleta		

Depth (ft bgs)	Elevation (ft)	Lab Sample	PID (ppmv)	SPC (uS/cm)	Cl (ppm)	Lithology	Lithologic Description	Depth (ft bgs)
20	-20		0	215.6	<31		Well-Graded SAND (SW), fine grained, subrounded; 7.5YR 8/2 (pinkish white), medium dense, dry, no odor, no staining, strong HCl reaction, moderate cementation, mod to strong nodular caliche zone; nodules 5 mm to 20 mm; hard granular texture	20
			0	350.7	<31			
			0	257.2	<31			
			0	257.9	<31		Well-Graded SAND (SW), fine grained, subrounded; 7.5YR 8/2 (pinkish white), medium dense, dry, no odor, no staining, strong HCl reaction, strong cementation, strong caliche with zones of hard cherty texture; pulverized cuttings; dries chalky white **SB-04 (21-24) Lab Results: ∑TPH <30 mg/kg, ∑BTEX <0.30 mg/kg, Cl = 48.0 mg/kg**	

Lab Samples: Soil, Aqueous

PID (ppmv): <1, ≥1 & <10, ≥10 & <100, ≥100

SPC (uS/cm): <1000, ≥1000 & <2000, ≥2000

Cl (ppm): <30, ≥30 & <100, ≥100

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ft = foot or feet, bgs = below ground surface, in = inches, mm = millimeters, DTW = depth to water, PID = photoionization detector, ppmv = parts per million by volume, SPC = Specific Conductivity, uS/cm = microSiemens per centimeter, Cl = chlorides, ppm = parts per million, HCl = hydrochloric acid, ∑TPH = Total Petroleum Hydrocarbons, mg/kg = milligrams per kilogram, ∑BTEX = Sum of Benezene, Toluene, Ethylbenzene, and Xylenes

SB-06

INTERA

Project Name: OCD Reed Estate

Project #: NMGSD.M005.OCDREEDFY24

LOG OF BORING: SB-06

Date Started:	05-23-2024	DTW (ft bgs):	Not Encountered
Date Completed:	05-23-2024	Boring Depth (ft bgs):	17.00
Drilling Method:	Sonic	Boring Diameter (in):	4.00
Sampling Method:	Continuous Core	Elevation (ft)*:	3694.55
Drilling Company:	Talon LPE	Latitude**:	33.000768
Driller:	J. Tomayo	Longitude**:	-103.083225
Logged By:	B. Archuleta		

Depth (ft bgs)	Elevation (ft)	Lab Sample	PID (ppmv)	SPC (uS/cm)	Cl (ppm)	Lithology	Lithologic Description
0			1	268.8	<31		Well-Graded SAND (SW), fine to medium grained, few (5-10%) Silt; 7.5YR 3/4 (dark brown), medium dense, dry, no odor, no staining, weak HCl reaction, weak cementation, top soil with 20 mm caliche nodules; weak caliche
			0	556	<31		Well-Graded SAND (SW), fine to medium grained, 7.5YR 8/3 (pink), medium dense, dry, no odor, no staining, strong HCl reaction, moderate cementation, nodular caliche; moderate caliche; dries chalky white
	3690						
5			1	1853	71		
			1	2476	109		
10			6	2990	98		Well-Graded SAND (SW), fine grained, subrounded; 7.5YR 8/2 (pinkish white), medium dense, dry, no odor, no staining, strong HCl reaction, moderate cementation, moderate to strong nodular caliche zone; nodules 5 mm to 20 mm; hard granular texture **SB-06 (10-12.5) Lab Results: ∑TPH = 24.7 mg/kg, ∑BTEX <0.30 mg/kg, Cl = 560 mg/kg**
			2	2059	98		
15	3680						

Lab Samples: Soil, Aqueous

PID (ppmv): <1, ≥1 & <10, ≥10 & <100, ≥100

SPC (uS/cm): <1000, ≥1000 & <2000, ≥2000

Cl (ppm): <30, ≥30 & <100, ≥100

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ft = foot or feet, bgs = below ground surface, in = inches, mm = millimeters, DTW = depth to water, PID = photoionization detector, ppmv = parts per million by volume, SPC = Specific Conductivity, uS/cm = microSiemens per centimeter, Cl = chlorides, ppm = parts per million, HCl = hydrochloric acid, ∑TPH = Total Petroleum Hydrocarbons, mg/kg = milligrams per kilogram, ∑BTEX = Sum of Benezene, Toluene, Ethylbenzene, and Xylenes

INTERA

Project Name: OCD Reed Estate

Project #: NMGSD.M005.OCDREEDFY24

LOG OF BORING: SB-06

Date Started:	05-23-2024	DTW (ft bgs):	Not Encountered
Date Completed:	05-23-2024	Boring Depth (ft bgs):	17.00
Drilling Method:	Sonic	Boring Diameter (in):	4.00
Sampling Method:	Continuous Core	Elevation (ft)*:	3694.55
Drilling Company:	Talon LPE	Latitude**:	33.000768
Driller:	J. Tomayo	Longitude**:	-103.083225
Logged By:	B. Archuleta		

Depth (ft bgs)	Elevation (ft)	Lab Sample	PID (ppmv)	SPC (uS/cm)	Cl (ppm)	Lithology	Lithologic Description	Depth (ft bgs)
			1	781	42		**SB-06 (15-17) Lab Results: ∑TPH <30 mg/kg, ∑BTEX <0.30 mg/kg, Cl = 144 mg/kg**	

Lab Samples
- Soil
- Aqueous

PID (ppmv)
- <1
- ≥1 & <10
- ≥10 & <100
- ≥100

SPC (uS/cm)
- <1000
- ≥1000 & <2000
- ≥2000

Cl (ppm)
- <30
- ≥30 & <100
- ≥100

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ft = foot or feet, bgs = below ground surface, in = inches, mm = millimeters, DTW = depth to water, PID = photoionization detector, ppmv = parts per million by volume, SPC = Specific Conductivity, uS/cm = microSiemens per centimeter, Cl = chlorides, ppm = parts per million, HCl = hydrochloric acid, ∑TPH = Total Petroleum Hydrocarbons, mg/kg = milligrams per kilogram, ∑BTEX = Sum of Benezene, Toluene, Ethylbenzene, and Xylenes

SB-08

INTERA

Project Name: OCD Reed Estate

Project #: NMGSD.M005.OCDREEDFY24

LOG OF BORING: SB-08

Date Started:	05-23-2024	DTW (ft bgs):	Not Encountered
Date Completed:	05-23-2024	Boring Depth (ft bgs):	20.00
Drilling Method:	Sonic	Boring Diameter (in):	4.00
Sampling Method:	Continuous Core	Elevation (ft)*:	3694.48
Drilling Company:	Talon LPE	Latitude**:	33.000563
Driller:	J. Tomayo	Longitude**:	-103.082866
Logged By:	B. Archuleta		

Depth (ft bgs)	Elevation (ft)	Lab Sample	PID (ppmv)	SPC (uS/cm)	Cl (ppm)	Lithology	Lithologic Description
0			1	282	<31		Well-Graded SAND (SW), fine to medium grained, subrounded; few (5-10%) Silt; 7.5YR 3/4 (dark brown), dense, dry, no odor, no staining, weak HCl reaction, strong cementation, top soil with 20 mm caliche nodules; weak caliche
			1	179.8	<31		Well-Graded SAND (SW), fine to medium grained, subrounded; 7.5YR 7/3 (pink), medium dense, dry, no odor, no staining, strong HCl reaction, moderate cementation, nodular caliche; moderate caliche; dries chalky white
	3690						
5			0	197.2	<31		
			0	186.2	<31		
10			0	133.2	<31		
			0	277	<31		**SB-08 (11-13) Lab Results: ∑TPH <30 mg/kg, ∑BTEX <0.30 mg/kg, Cl = 16.0 mg/kg**
			0	187.4	<31		
15	3680						

Lab Samples: Soil, Aqueous

PID (ppmv): <1; ≥1 & <10; ≥10 & <100; ≥100

SPC (uS/cm): <1000; ≥1000 & <2000; ≥2000

Cl (ppm): <30; ≥30 & <100; ≥100

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INTERA

Project Name: OCD Reed Estate

Project #: NMGSD.M005.OCDREEDFY24

LOG OF BORING: SB-08

Date Started:	05-23-2024	DTW (ft bgs):	Not Encountered
Date Completed:	05-23-2024	Boring Depth (ft bgs):	20.00
Drilling Method:	Sonic	Boring Diameter (in):	4.00
Sampling Method:	Continuous Core	Elevation (ft)*:	3694.48
Drilling Company:	Talon LPE	Latitude**:	33.000563
Driller:	J. Tomayo	Longitude**:	-103.082866
Logged By:	B. Archuleta		

Depth (ft bgs)	Elevation (ft)	Lab Sample	PID (ppmv)	SPC (uS/cm)	Cl (ppm)	Lithology	Lithologic Description	Depth (ft bgs)
			0	172.9	<31		Well-Graded SAND (SW), fine grained, subrounded to subangular; 7.5YR 8/2 (pinkish white), dense, dry, no odor, no staining, strong HCl reaction, strong cementation, strong caliche with zones of hard cherty texture; pulverized cuttings; dries chalky white	
20			0	180.8	<31		**SB-08 (18-20) Lab Results: ∑TPH <30 mg/kg, ∑BTEX <0.30 mg/kg, Cl = 32.0 mg/kg**	20

Lab Samples
- Soil
- Aqueous

PID (ppmv)
- <1
- ≥1 & <10
- ≥10 & <100
- ≥100

SPC (uS/cm)
- <1000
- ≥1000 & <2000
- ≥2000

Cl (ppm)
- <30
- ≥30 & <100
- ≥100

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SB-10

INTERA

Project Name: OCD Reed Estate

Project #: NMGSD.M005.OCDREEDFY24

LOG OF BORING: SB-10

Date Started:	05-22-2024	DTW (ft bgs):	Not Encountered
Date Completed:	05-22-2024	Boring Depth (ft bgs):	25.00
Drilling Method:	Sonic	Boring Diameter (in):	4.00
Sampling Method:	Continuous Core	Elevation (ft)*:	3694.60
Drilling Company:	Talon LPE	Latitude**:	33.000678
Driller:	J. Tomayo	Longitude**:	-103.082733
Logged By:	P. Gutierrez		

Depth (ft bgs)	Elevation (ft)	Lab Sample	PID (ppmv)	SPC (uS/cm)	Cl (ppm)	Lithology	Lithologic Description	Depth (ft bgs)
0			0	2456	88		Well-Graded SAND (SW), fine to medium grained, subrounded; few (5-10%) Clay; medium dense, dry, no odor, no staining, strong HCl reaction, moderate cementation, dark top soil with moderate caliche; small caliche nodules less than 10 mm.	0
			1	5341	297		Well-Graded SAND (SW), subrounded; 7.5YR 6/2 (pinkish gray), loose, dry, no odor, no staining, moderate HCl reaction, moderate cementation, pulverized caliche with some nodules and unbroken fragments up to 50 mm.	
5	3690		1	2662	132			5
			0	4527	158			
10			1	10910	420		Well-Graded SAND (SW), fine to medium grained, subrounded; 7.5YR 8/4 (pink), medium dense, dry, no odor, no staining, strong HCl reaction, moderate cementation, caliche with granular texture and caliche nodules **SB-10 (9.5-12) Lab Results: ∑TPH <30 mg/kg, ∑BTEX <0.30 mg/kg, Cl = 4560 mg/kg**	10
							No recovery	
15	3680						Well-Graded SAND (SW), fine to medium grained, subrounded; 7.5YR 8/4 (pink), medium dense, dry, no odor, no staining, strong HCl reaction, moderate cementation, caliche with granular texture and caliche nodules	15

Lab Samples: Soil, Aqueous

PID (ppmv): <1, ≥1 & <10, ≥10 & <100, ≥100

SPC (uS/cm): <1000, ≥1000 & <2000, ≥2000

Cl (ppm): <30, ≥30 & <100, ≥100

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** = World Geodetic System 1984

ft = foot or feet, bgs = below ground surface, in = inches, mm = millimeters, DTW = depth to water, PID = photoionization detector, ppmv = parts per million by volume, SPC = Specific Conductivity, uS/cm = microSiemens per centimeter, Cl = chlorides, ppm = parts per million, HCl = hydrochloric acid, ∑TPH = Total Petroleum Hydrocarbons, mg/kg = milligrams per kilogram, ∑BTEX = Sum of Benezene, Toluene, Ethylbenzene, and Xylenes

INTERA

Project Name: OCD Reed Estate

Project #: NMGSD.M005.OCDREEDFY24

LOG OF BORING: SB-10

Date Started:	05-22-2024	DTW (ft bgs):	Not Encountered
Date Completed:	05-22-2024	Boring Depth (ft bgs):	25.00
Drilling Method:	Sonic	Boring Diameter (in):	4.00
Sampling Method:	Continuous Core	Elevation (ft)*:	3694.60
Drilling Company:	Talon LPE	Latitude**:	33.000678
Driller:	J. Tomayo	Longitude**:	-103.082733
Logged By:	P. Gutierrez		

Depth (ft bgs)	Elevation (ft)	Lab Sample	PID (ppmv)	SPC (uS/cm)	Cl (ppm)	Lithology	Lithologic Description	Depth (ft bgs)
			1	8933	392			
			0	1915	98		Well-Graded SAND (SW), fine grained, subrounded; 7.5YR 7/2 (pinkish gray), dry, no odor, no staining, moderate HCl reaction, strong cementation, moderately hard caliche rock with moderate granular texture; pulverized zones of powdery cuttings which dry a powdery white.	
20			0	984	71		Well-Graded SAND (SW), fine grained, subrounded; 7.5YR 7/2 (pinkish gray), dry, no odor, no staining, moderate HCl reaction, strong cementation, hard caliche rock with cherty texture with concoidal breaks; several chunks of whole core up to 3"; pulverizes into dry white powdery material.	20
			1	400.2	42		Well-Graded SAND (SW), fine to medium grained, subrounded; few (5-10%) Clay; 10YR 7/2 (light gray), no odor, no staining, moderate HCl reaction, moderate cementation, saturated with drilling fluid; sandy caliche; mostly pulverized	
25	3670		0	361.5	<31		Clayey SAND (SC), fine to medium grained, subrounded; 7.5YR 7/1 (light gray), loose, no staining, strong HCl reaction, moderate cementation; saturated from drilling fluids; mostly pulverized with 9 mm nodules **SB-10 (23-25) Lab Results: ∑TPH = 16.8 mg/kg, ∑BTEX <0.30 mg/kg, Cl = 48.0 mg/kg**	25

Lab Samples: Soil, Aqueous

PID (ppmv): <1, ≥1 & <10, ≥10 & <100, ≥100

SPC (uS/cm): <1000, ≥1000 & <2000, ≥2000

Cl (ppm): <30, ≥30 & <100, ≥100

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** = World Geodetic System 1984

ft = foot or feet, bgs = below ground surface, in = inches, mm = millimeters, DTW = depth to water, PID = photoionization detector, ppmv = parts per million by volume, SPC = Specific Conductivity, uS/cm = microSiemens per centimeter, Cl = chlorides, ppm = parts per million, HCl = hydrochloric acid, ∑TPH = Total Petroleum Hydrocarbons, mg/kg = milligrams per kilogram, ∑BTEX = Sum of Benezene, Toluene, Ethylbenzene, and Xylenes

SB-14

INTERA

Project Name: OCD Reed Estate

Project #: NMGSD.M005.OCDREEDFY24

LOG OF BORING: SB-14

Date Started:	05-18-2024	DTW (ft bgs):	Not Encountered
Date Completed:	05-18-2024	Boring Depth (ft bgs):	35
Drilling Method:	Sonic	Boring Diameter (in):	4.00
Sampling Method:	Continuous Core	Elevation (ft)*:	3693.92
Drilling Company:	Talon LPE	Latitude**:	33.000825
Driller:	J. Tomayo	Longitude**:	-103.082673
Logged By:	H. Manlove		

Depth (ft bgs)	Elevation (ft)	Lab Sample	PID (ppmv)	SPC (uS/cm)	Cl (ppm)	Lithology	Lithologic Description	Depth (ft bgs)
0			1	6356	145		Well-Graded SAND with Gravel (SW), fine to coarse grained, subrounded to subangular; few (5-10%) Clay; some (30-45%) Gravel, fine to coarse grained, subangular; 7.5YR 5/3 (brown), loose, organic odor, moderate HCl reaction	0
	3690		0	5033	204		Well-Graded SAND with Gravel (SW), fine to coarse grained, subrounded to subangular; trace (<5%) Clay; little (15-25%) Gravel, fine to coarse grained, subrounded to subangular; 10YR 8/1 (white), very loose, moderate HCl reaction, powdery caliche	
5			0	7631	297		Well-Graded SAND with Gravel (SW), fine to coarse grained, subrounded to subangular; trace (<5%) Clay; little (15-25%) Gravel, fine to coarse grained, subrounded to subangular; few (5-10%) Cobbles, subrounded; 10YR 8/1 (white), very loose, moderate HCl reaction **SB-14 (5-7) Lab Results: ∑TPH <30 mg/kg, ∑BTEX <0.30 mg/kg, Cl = 2560 mg/kg**	5
			5	6673	257		Well-Graded SAND with Gravel (SW), fine to medium grained, subrounded to subangular; trace (<5%) Clay; little (15-25%) Gravel, fine to coarse grained, subrounded to subangular; few (5-10%) Cobbles, subrounded; 10YR 7/2 (light gray) to 10YR 8/1 (white), very loose, moderate HCl reaction Bottom 1 ft = Poorly-Graded SAND (SP)	
10			0	7400	145		Well-Graded SAND with Gravel (SW), fine to coarse grained, subrounded to subangular; trace (<5%) Clay; little (15-25%) Gravel, fine to coarse grained, subrounded to subangular; few (5-10%) Cobbles, subrounded; 10YR 8/1 (white) to 10YR 8/2 (very pale brown / very pale orange), very loose, moderate HCl reaction	10
			2	4182	109		Well-Graded SAND with Gravel (SW), fine to coarse grained, subrounded to subangular; little (15-25%) Clay; little (15-25%) Gravel, fine to coarse grained, subrounded to subangular; few (5-10%) Cobbles, subrounded to subangular; 10YR 5/1 (gray) to 10YR 8/1 (white), very loose, moderate HCl reaction, caliche cobbles w/ clay	
	3680						Well-Graded GRAVEL with Clay and Sand (GW-GC), fine to coarse grained, subrounded to subangular; little (15-25%) Clay; little (15-25%) Sand, fine to medium grained, subrounded to subangular; few (5-10%) Cobbles, subrounded to subangular; 10YR 8/1 (white) and 10YR 8/2 (very pale brown / very pale orange), very loose,	
15								15

Lab Samples: Soil, Aqueous

PID (ppmv): <1; ≥1 & <10; ≥10 & <100; ≥100

SPC (uS/cm): <1000; ≥1000 & <2000; ≥2000

Cl (ppm): <30; ≥30 & <100; ≥100

* = INTERA LiDAR Survey, April 2023
** = World Geodetic System 1984

ft = foot or feet, bgs = below ground surface, in = inches, mm = millimeters, DTW = depth to water, PID = photoionization detector, ppmv = parts per million by volume, SPC = Specific Conductivity, uS/cm = microSiemens per centimeter, Cl = chlorides, ppm = parts per million, HCl = hydrochloric acid, ∑TPH = Total Petroleum Hydrocarbons, mg/kg = milligrams per kilogram, ∑BTEX = Sum of Benezene, Toluene, Ethylbenzene, and Xylenes

INTERA

Project Name: OCD Reed Estate

Project #: NMGSD.M005.OCDREEDFY24

LOG OF BORING: SB-14

Date Started:	05-18-2024	DTW (ft bgs):	Not Encountered
Date Completed:	05-18-2024	Boring Depth (ft bgs):	35
Drilling Method:	Sonic	Boring Diameter (in):	4.00
Sampling Method:	Continuous Core	Elevation (ft)*:	3693.92
Drilling Company:	Talon LPE	Latitude**:	33.000825
Driller:	J. Tomayo	Longitude**:	-103.082673
Logged By:	H. Manlove		

Depth (ft bgs)	Elevation (ft)	Lab Sample	PID (ppmv)	SPC (uS/cm)	Cl (ppm)	Lithology	Lithologic Description	Depth (ft bgs)
			0	313.5	31		moderate HCl reaction, caliche cobbles w/ clay	
			0	263.6	<31		Well-Graded GRAVEL with Clay and Sand (GW-GC), fine to coarse grained, subrounded to subangular; little (15-25%) Clay; little (15-25%) Sand, fine to medium grained, subrounded to subangular; few (5-10%) Cobbles, subrounded to subangular; 10YR 8/1 (white) and 10YR 5/1 (gray), very loose, moderate HCl reaction, caliche cobbles w/ clay	
			0	239.2	<31			
20			0	225.7	<31		Well-Graded GRAVEL with Sand (GW), fine to coarse grained, subangular; trace (<5%) Clay; little (15-25%) Sand, fine to medium grained, subrounded; some (30-45%) Cobbles, subrounded to subangular; 10YR 8/1 (white) and 10YR 6/3 (pale brown), very loose, moderate HCl reaction	20
			0	350.3	<31		Poorly Graded SAND with Clay (SP-SC), fine to medium grained, subrounded to subangular; some (30-45%) Clay; few (5-10%) Gravel, coarse grained, subangular; 7.5YR 5/1 (gray) and 7.5YR 7/2 (pinkish gray), medium dense, moderate HCl reaction, dense clayey sand to powder w/ caliche	
	3670							
25			0	267.7	<31		Poorly Graded GRAVEL with Sand (GP), fine to coarse grained, subangular; trace (<5%) Clay; little (15-25%) Sand, fine to medium grained, subrounded; some (30-45%) Cobbles, subrounded to subangular; 10YR 8/1 (white) and 10YR 6/3 (pale brown), very loose, moderate HCl reaction	25
			0	212.9	<31		Poorly Graded GRAVEL with Sand (GP), fine to coarse grained, subangular; trace (<5%) Clay; some (30-45%) Sand, fine to medium grained, subrounded; some (30-45%) Cobbles, subrounded to subangular; 10YR 8/1 (white) and 10YR 6/3 (pale brown), very loose, chemical odor, moderate HCl reaction	
30							Poorly Graded GRAVEL with Sand (GP), fine to coarse grained, subangular; trace (<5%) Clay; some (30-45%) Sand, fine to medium grained, subrounded; some (30-45%) Cobbles, subrounded to subangular; 10YR 8/1 (white) and 10YR 6/3 (pale brown), very loose, moderate HCl reaction, calcite cobbles, ground to fine powder by drill	30

Lab Samples: Soil, Aqueous

PID (ppmv): <1, ≥1 & <10, ≥10 & <100, ≥100

SPC (uS/cm): <1000, ≥1000 & <2000, ≥2000

Cl (ppm): <30, ≥30 & <100, ≥100

* = INTERA LiDAR Survey, April 2023
** = World Geodetic System 1984

ft = foot or feet, bgs = below ground surface, in = inches, mm = millimeters, DTW = depth to water, PID = photoionization detector, ppmv = parts per million by volume, SPC = Specific Conductivity, uS/cm = microSiemens per centimeter, Cl = chlorides, ppm = parts per million, HCl = hydrochloric acid, ∑TPH = Total Petroleum Hydrocarbons, mg/kg = milligrams per kilogram, ∑BTEX = Sum of Benezene, Toluene, Ethylbenzene, and Xylenes

INTERA

Project Name: OCD Reed Estate

Project #: NMGSD.M005.OCDREEDFY24

LOG OF BORING: SB-14

Date Started:	05-18-2024	DTW (ft bgs):	Not Encountered
Date Completed:	05-18-2024	Boring Depth (ft bgs):	35
Drilling Method:	Sonic	Boring Diameter (in):	4.00
Sampling Method:	Continuous Core	Elevation (ft)*:	3693.92
Drilling Company:	Talon LPE	Latitude**:	33.000825
Driller:	J. Tomayo	Longitude**:	-103.082673
Logged By:	H. Manlove		

Depth (ft bgs)	Elevation (ft)	Lab Sample	PID (ppmv)	SPC (uS/cm)	Cl (ppm)	Lithology	Lithologic Description	Depth (ft bgs)
			1	270.3	<31			
			2	217.4	<31		Poorly Graded GRAVEL with Sand (GP), fine to coarse grained, subangular; trace (<5%) Clay; some (30-45%) Sand, fine to medium grained, subrounded; some (30-45%) Cobbles, subrounded to subangular; 10YR 8/1 (white) and 10YR 6/3 (pale brown), very loose, moderate HCl reaction, calcite cobbles	
	3660							
35			0	280.5	<31		Clayey SAND with Gravel (SC), fine to coarse grained, subrounded to subangular; some (30-45%) Clay; few (5-10%) Gravel, medium to coarse grained, subrounded to subangular; subrounded to subangular; 10YR 7/3 (very pale brown) and 10YR 6/2 (light brownish gray / pale yellowish brown), very loose, chemical odor, moderate HCl reaction **SB-14 (34-35) Lab Results: ∑TPH <30 mg/kg, ∑BTEX <0.30 mg/kg, Cl = 48.0 mg/kg**	35

Lab Samples: Soil, Aqueous

PID (ppmv): <1, ≥1 & <10, ≥10 & <100, ≥100

SPC (uS/cm): <1000, ≥1000 & <2000, ≥2000

Cl (ppm): <30, ≥30 & <100, ≥100

* = INTERA LiDAR Survey, April 2023
** = World Geodetic System 1984

ft = foot or feet, bgs = below ground surface, in = inches, mm = millimeters, DTW = depth to water, PID = photoionization detector, ppmv = parts per million by volume, SPC = Specific Conductivity, uS/cm = microSiemens per centimeter, Cl = chlorides, ppm = parts per million, HCl = hydrochloric acid, ∑TPH = Total Petroleum Hydrocarbons, mg/kg = milligrams per kilogram, ∑BTEX = Sum of Benezene, Toluene, Ethylbenzene, and Xylenes

SB-15

INTERA

Project Name: OCD Reed Estate

Project #: NMGSD.M005.OCDREEDFY24

LOG OF BORING: SB-15

Date Started:	05-20-2024	DTW (ft bgs):	Not Encountered
Date Completed:	05-20-2024	Boring Depth (ft bgs):	33
Drilling Method:	Sonic	Boring Diameter (in):	4
Sampling Method:	Continuous Core	Elevation (ft)*:	3694.31
Drilling Company:	Talon LPE	Latitude**:	33.000902
Driller:	J. Tomayo	Longitude**:	-103.082952
Logged By:	H. Manlove		

Depth (ft bgs)	Elevation (ft)	Lab Sample	PID (ppmv)	SPC (uS/cm)	Cl (ppm)	Lithology	Lithologic Description	Depth (ft bgs)
0			1	5410	204		Well-Graded SAND with Gravel (SW), fine to coarse grained, subrounded to subangular; few (5-10%) Clay; some (30-45%) Gravel, medium to coarse grained, subrounded to subangular; 10YR 8/3 (very pale brown), very loose, hydrocarbon odor, moderate HCl reaction	0
			0	5178	204		Well-Graded SAND with Gravel (SW), fine to coarse grained, subrounded to subangular; few (5-10%) Clay; some (30-45%) Gravel, medium to coarse grained, subrounded to subangular; 10YR 8/3 (very pale brown), very loose, hydrocarbon odor, moderate HCl reaction	
	3690							
5			0	5348	221		Poorly Graded SAND with Gravel (SP), fine to medium grained, subrounded; trace (<5%) Clay; some (30-45%) Gravel, medium to coarse grained, subrounded to subangular; 7.5YR 7/4 (pink), very loose, moderate HCl reaction, caliche	5
			6	7742	319		Poorly Graded SAND with Gravel (SP), fine to medium grained, subrounded; few (5-10%) Clay; some (30-45%) Gravel, medium to coarse grained, subrounded to subangular; 7.5YR 7/4 (pink) and 10YR 5/3 (brown), very loose, moderate HCl reaction, caliche w/ grey-brown clay at top **SB-15 (7.5-10) Lab Results: ∑TPH <30 mg/kg, ∑BTEX <0.30 mg/kg, Cl = 1880 mg/kg**	
10			1	971	42		Poorly Graded SAND with Gravel (SP), fine to medium grained, subrounded to subangular; little (15-25%) Clay; some (30-45%) Gravel, medium to coarse grained, subrounded to subangular; 7.5YR 7/4 (pink) to 10YR 8/1 (white), very loose, hydrocarbon odor, moderate HCl reaction, light brown clay in bottom 0.5 ft	10
			1	958	31		Poorly Graded SAND with Gravel (SP), fine to medium grained, subrounded to subangular; trace (<5%) Clay; some (30-45%) Gravel, medium to coarse grained, subrounded to subangular; 7.5YR 7/3 (pink) and 10YR 8/1 (white), very loose, moderate HCl reaction, caliche cobbles	
	3680							
15								15

Lab Samples: Soil, Aqueous

PID (ppmv): <1, ≥1 & <10, ≥10 & <100, ≥100

SPC (uS/cm): <1000, ≥1000 & <2000, ≥2000

Cl (ppm): <30, ≥30 & <100, ≥100

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** = World Geodetic System 1984

ft = foot or feet, bgs = below ground surface, in = inches, mm = millimeters, DTW = depth to water, PID = photoionization detector, ppmv = parts per million by volume, SPC = Specific Conductivity, uS/cm = microSiemens per centimeter, Cl = chlorides, ppm = parts per million, HCl = hydrochloric acid, ∑TPH = Total Petroleum Hydrocarbons, mg/kg = milligrams per kilogram, ∑BTEX = Sum of Benezene, Toluene, Ethylbenzene, and Xylenes

INTERA

Project Name: OCD Reed Estate

Project #: NMGSD.M005.OCDREEDFY24

LOG OF BORING: SB-15

Date Started:	05-20-2024	DTW (ft bgs):	Not Encountered
Date Completed:	05-20-2024	Boring Depth (ft bgs):	33
Drilling Method:	Sonic	Boring Diameter (in):	4
Sampling Method:	Continuous Core	Elevation (ft)*:	3694.31
Drilling Company:	Talon LPE	Latitude**:	33.000902
Driller:	J. Tomayo	Longitude**:	-103.082952
Logged By:	H. Manlove		

Depth (ft bgs)	Elevation (ft)	Lab Sample	PID (ppmv)	SPC (uS/cm)	Cl (ppm)	Lithology	Lithologic Description	Depth (ft bgs)
			1	1082	31		Poorly Graded SAND with Gravel (SP), fine to medium grained, subrounded to subangular; trace (<5%) Clay; some (30-45%) Gravel, medium to coarse grained, subrounded to subangular; 10YR 8/3 (very pale brown) and 10YR 8/1 (white), very loose, moderate HCl reaction, caliche cobbles	
			0	769	42		Poorly Graded SAND with Gravel (SP), fine to medium grained, subrounded to subangular; few (5-10%) Clay; some (30-45%) Gravel, medium to coarse grained, subrounded to subangular; 10YR 8/3 (very pale brown) and 10YR 8/1 (white), very loose, moderate HCl reaction, increasing clay w/ depth	
20			0	473	42		Clayey SAND with Gravel (SC), fine to medium grained, subrounded; trace (<5%) Gravel, medium to coarse grained, subrounded to subangular; 10YR 8/3 (very pale brown), medium dense, weak HCl reaction	20
	3670		0	478	31		Poorly Graded SAND with Gravel (SP), fine to medium grained, subrounded to subangular; few (5-10%) Clay; some (30-45%) Gravel, medium to coarse grained, subrounded to subangular; 10YR 8/3 (very pale brown) and 10YR 8/1 (white), very loose, weak HCl reaction, silicified calcite in bottom 0.5 ft	
25			0	272.4	31		Poorly Graded SAND with Gravel (SP), fine to medium grained, subrounded to subangular; little (15-25%) Clay; few (5-10%) Gravel, coarse grained, subangular; 10YR 8/1 (white) and 10YR 6/3 (pale brown), very loose, moderate HCl reaction, caliche ground to powder, more brown clay top 0.5 ft	25
							No recovery	
30			1	182.3	<31		Poorly Graded SAND with Gravel (SP), fine to medium grained, subrounded; little (15-25%) Clay; little (15-25%) Gravel, medium to coarse grained, subrounded to subangular; 7.5YR 6/4 (light brown) and 10YR 8/1 (white), medium dense, weak HCl reaction, calcite and powder w/ clay, large silicified calcite boulder	30

Lab Samples: Soil, Aqueous

PID (ppmv): <1, ≥1 & <10, ≥10 & <100, ≥100

SPC (uS/cm): <1000, ≥1000 & <2000, ≥2000

Cl (ppm): <30, ≥30 & <100, ≥100

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** = World Geodetic System 1984

ft = foot or feet, bgs = below ground surface, in = inches, mm = millimeters, DTW = depth to water, PID = photoionization detector, ppmv = parts per million by volume, SPC = Specific Conductivity, uS/cm = microSiemens per centimeter, Cl = chlorides, ppm = parts per million, HCl = hydrochloric acid, ∑TPH = Total Petroleum Hydrocarbons, mg/kg = milligrams per kilogram, ∑BTEX = Sum of Benezene, Toluene, Ethylbenzene, and Xylenes

INTERA

Project Name: OCD Reed Estate

Project #: NMGSD.M005.OCDREEDFY24

LOG OF BORING: SB-15

Date Started:	05-20-2024	DTW (ft bgs):	Not Encountered
Date Completed:	05-20-2024	Boring Depth (ft bgs):	33
Drilling Method:	Sonic	Boring Diameter (in):	4
Sampling Method:	Continuous Core	Elevation (ft)*:	3694.31
Drilling Company:	Talon LPE	Latitude**:	33.000902
Driller:	J. Tomayo	Longitude**:	-103.082952
Logged By:	H. Manlove		

Depth (ft bgs)	Elevation (ft)	Lab Sample	PID (ppmv)	SPC (uS/cm)	Cl (ppm)	Lithology	Lithologic Description	Depth (ft bgs)
			0	177.1	<31		Poorly Graded SAND with Gravel (SP), fine to medium grained, subrounded; little (15-25%) Clay; some (30-45%) Gravel, medium to coarse grained, subangular; 7.5YR 6/4 (light brown) and 10YR 8/1 (white), medium dense, weak HCl reaction, calcite and powder w/ clay **SB-15 (30.5-33) Lab Results: ∑TPH <30 mg/kg, ∑BTEX <0.30 mg/kg, Cl = 32.0 mg/kg**	

Lab Samples
- Soil
- Aqueous

PID (ppmv)
- <1
- ≥1 & <10
- ≥10 & <100
- ≥100

SPC (uS/cm)
- <1000
- ≥1000 & <2000
- ≥2000

Cl (ppm)
- <30
- ≥30 & <100
- ≥100

* = INTERA LiDAR Survey, April 2023
** = World Geodetic System 1984

ft = foot or feet, bgs = below ground surface, in = inches, mm = millimeters, DTW = depth to water, PID = photoionization detector, ppmv = parts per million by volume, SPC = Specific Conductivity, uS/cm = microSiemens per centimeter, Cl = chlorides, ppm = parts per million, HCl = hydrochloric acid, ∑TPH = Total Petroleum Hydrocarbons, mg/kg = milligrams per kilogram, ∑BTEX = Sum of Benezene, Toluene, Ethylbenzene, and Xylenes

SB-16

INTERA

Project Name: OCD Reed Estate

Project #: NMGSD.M005.OCDREEDFY24

LOG OF BORING: SB-16

Date Started:	05-19-2024	DTW (ft bgs):	Not Encountered
Date Completed:	05-19-2024	Boring Depth (ft bgs):	36
Drilling Method:	Sonic	Boring Diameter (in):	4.00
Sampling Method:	Continuous Core	Elevation (ft)*:	3694.65
Drilling Company:	Talon LPE	Latitude**:	33.000798
Driller:	J. Tomayo	Longitude**:	-103.082793
Logged By:	H. Manlove		

Depth (ft bgs)	Elevation (ft)	Lab Sample	PID (ppmv)	SPC (uS/cm)	Cl (ppm)	Lithology	Lithologic Description	Depth (ft bgs)
0								0
			0	1280	36		Poorly Graded SAND with Gravel (SP), fine to medium grained, subangular; few (5-10%) Clay; little (15-25%) Gravel, medium to coarse grained, subangular; 10YR 4/4 (dark yellowish brown), very loose, weak HCl reaction	
							Well-Graded GRAVEL with Sand (GW), fine to coarse grained, subangular; trace (<5%) Clay; little (15-25%) Sand, fine to medium grained, subrounded; 10YR 6/2 (light brownish gray / pale yellowish brown), very loose, moderate HCl reaction	
	3690		0	2834	109		Well-Graded SAND with Gravel (SW), fine to coarse grained, subrounded to subangular; trace (<5%) Clay; some (30-45%) Gravel, medium to coarse grained; 7.5YR 7/2 (pinkish gray), very loose, hydrocarbon odor, moderate HCl reaction, caliche	
5			0	1012	42		Poorly Graded SAND with Gravel (SP), fine to medium grained, subrounded; trace (<5%) Clay; little (15-25%) Gravel, medium to coarse grained, subangular; 7.5YR 6/6 (reddish yellow), very loose, hydrocarbon odor, moderate HCl reaction, caliche.	5
			0	407.5	<31		Poorly Graded SAND with Gravel (SP), fine to medium grained, subrounded; trace (<5%) Clay; little (15-25%) Gravel, medium to coarse grained, subangular; 10YR 8/1 (white), very loose, hydrocarbon odor, moderate HCl reaction, caliche.	
							Well-Graded SAND with Gravel (SW), fine to coarse grained, subrounded to subangular; trace (<5%) Clay; some (30-45%) Gravel, medium to coarse grained; 10YR 8/1 (white) and 7.5YR 6/8 (reddish yellow), very loose, hydrocarbon odor, moderate HCl reaction	
			5	940	<31		Clayey SAND with Gravel (SC), fine to medium grained, subrounded; few (5-10%) Gravel, medium to coarse grained, subrounded to subangular; 7.5YR 3/2 (dark brown), loose, hydrocarbon odor, moderate HCl reaction	
10			1	555	<31		Poorly Graded GRAVEL with Sand (GP), medium to coarse grained, subangular; trace (<5%) Clay; some (30-45%) Sand, fine to medium grained, subrounded to subangular; 10YR 8/1 (white), very loose, moderate HCl reaction, caliche	10
			1	476	<31		Poorly Graded SAND with Gravel and Clay (SP), fine to medium grained, subrounded; little (15-25%) Clay; some (30-45%) Gravel, medium to coarse grained, subrounded to subangular; 10YR 8/1 (white) and 7.5YR 8/2 (pinkish white), loose, moderate HCl reaction, caliche	
			4	742	<31		Poorly Graded SAND with Gravel (SP), fine to medium grained, subrounded; trace (<5%) Clay; some (30-45%) Gravel, medium to coarse grained, subrounded to subangular; 10YR 8/3 (very pale brown) to 10YR 8/1 (white), very loose, moderate HCl reaction, caliche	
15	3680							15

Lab Samples: Soil, Aqueous

PID (ppmv): <1, ≥1 & <10, ≥10 & <100, ≥100

SPC (uS/cm): <1000, ≥1000 & <2000, ≥2000

Cl (ppm): <30, ≥30 & <100, ≥100

* = INTERA LiDAR Survey, April 2023
** = World Geodetic System 1984

ft = foot or feet, bgs = below ground surface, in = inches, mm = millimeters, DTW = depth to water, PID = photoionization detector, ppmv = parts per million by volume, SPC = Specific Conductivity, uS/cm = microSiemens per centimeter, Cl = chlorides, ppm = parts per million, HCl = hydrochloric acid, ∑TPH = Total Petroleum Hydrocarbons, mg/kg = milligrams per kilogram, ∑BTEX = Sum of Benezene, Toluene, Ethylbenzene, and Xylenes

INTERA

Project Name: OCD Reed Estate

Project #: NMGSD.M005.OCDREEDFY24

LOG OF BORING: SB-16

Date Started:	05-19-2024	DTW (ft bgs):	Not Encountered
Date Completed:	05-19-2024	Boring Depth (ft bgs):	36
Drilling Method:	Sonic	Boring Diameter (in):	4.00
Sampling Method:	Continuous Core	Elevation (ft)*:	3694.65
Drilling Company:	Talon LPE	Latitude**:	33.000798
Driller:	J. Tomayo	Longitude**:	-103.082793
Logged By:	H. Manlove		

Depth (ft bgs)	Elevation (ft)	Lab Sample	PID (ppmv)	SPC (uS/cm)	Cl (ppm)	Lithology	Lithologic Description
			38	587	<31		Poorly Graded SAND with Gravel (SP), fine to medium grained, subrounded; few (5-10%) Clay; some (30-45%) Gravel, medium to coarse grained, subrounded to subangular; 10YR 8/1 (white) and 10YR 7/2 (light gray), very loose, hydrocarbon odor, moderate HCl reaction, caliche
			0	683	31		Poorly Graded SAND with Gravel (SP), fine to medium grained, subrounded; few (5-10%) Clay; some (30-45%) Gravel, medium to coarse grained, subrounded to subangular; 10YR 8/1 (white) and 10YR 7/2 (light gray), very loose, moderate HCl reaction, caliche
20							
			35	331.3	<31		**SB-16 (20.5-23) Lab Results: ∑TPH <30 mg/kg, ∑BTEX <0.30 mg/kg, Cl = 48.0 mg/kg**
			7	254.6	<31		Poorly Graded SAND with Gravel (SP), fine to medium grained, subrounded; few (5-10%) Clay; little (15-25%) Gravel, medium to coarse grained, subrounded to subangular; 10YR 8/1 (white), very loose, moderate HCl reaction, caliche cobbles
	3670						
25			1	299.9	<31		Poorly Graded GRAVEL with Sand and Clay (GP), medium to coarse grained, subangular; little (15-25%) Clay; little (15-25%) Sand, medium grained, subrounded; 7.5YR 6/3 (light brown), medium dense, moderate HCl reaction, silicified calcite w/ sandy clay
			0	264.4	<31		Poorly Graded GRAVEL with Sand (GP), medium to coarse grained, subangular; little (15-25%) Clay; little (15-25%) Sand, medium grained, subrounded; 7.5YR 6/3 (light brown), medium dense, no HCl reaction, silicified calcite w/ sandy clay
30							

Lab Samples: Soil, Aqueous

PID (ppmv): <1, ≥1 & <10, ≥10 & <100, ≥100

SPC (uS/cm): <1000, ≥1000 & <2000, ≥2000

Cl (ppm): <30, ≥30 & <100, ≥100

* = INTERA LiDAR Survey, April 2023
** = World Geodetic System 1984

ft = foot or feet, bgs = below ground surface, in = inches, mm = millimeters, DTW = depth to water, PID = photoionization detector, ppmv = parts per million by volume, SPC = Specific Conductivity, uS/cm = microSiemens per centimeter, Cl = chlorides, ppm = parts per million, HCl = hydrochloric acid, ∑TPH = Total Petroleum Hydrocarbons, mg/kg = milligrams per kilogram, ∑BTEX = Sum of Benezene, Toluene, Ethylbenzene, and Xylenes

INTERA

Project Name: OCD Reed Estate

Project #: NMGSD.M005.OCDREEDFY24

LOG OF BORING: SB-16

Date Started:	05-19-2024	DTW (ft bgs):	Not Encountered
Date Completed:	05-19-2024	Boring Depth (ft bgs):	36
Drilling Method:	Sonic	Boring Diameter (in):	4.00
Sampling Method:	Continuous Core	Elevation (ft)*:	3694.65
Drilling Company:	Talon LPE	Latitude**:	33.000798
Driller:	J. Tomayo	Longitude**:	-103.082793
Logged By:	H. Manlove		

Depth (ft bgs)	Elevation (ft)	Lab Sample	PID (ppmv)	SPC (uS/cm)	Cl (ppm)	Lithology	Lithologic Description	Depth (ft bgs)
			5	204.5	<31		Poorly Graded GRAVEL with Sand (GP), medium to coarse grained, subangular; little (15-25%) Clay; little (15-25%) Sand, medium grained, subrounded; 7.5YR 6/3 (light brown), medium dense, chemical odor, no HCl reaction, silicified calcite w/ sandy clay	
			0	183.5	<31		Clayey SAND with Gravel (SC), fine to medium grained, subrounded; trace (<5%) Gravel, medium to coarse grained, subangular; 7.5YR 7/2 (pinkish gray), medium dense, moderate HCl reaction	
35	3660		0	192.6	<31		Poorly Graded SAND with Gravel (SP), fine to medium grained, subrounded; few (5-10%) Clay; little (15-25%) Gravel, medium to coarse grained, subrounded to subangular; 7.5YR 8/3 (pink), very loose, moderate HCl reaction, calcite cobbles **SB-16 (34-36) Lab Results: ∑TPH <30 mg/kg, ∑BTEX <0.30 mg/kg, Cl = 32.0 mg/kg**	35

Lab Samples: Soil, Aqueous

PID (ppmv): <1, ≥1 & <10, ≥10 & <100, ≥100

SPC (uS/cm): <1000, ≥1000 & <2000, ≥2000

Cl (ppm): <30, ≥30 & <100, ≥100

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** = World Geodetic System 1984

ft = foot or feet, bgs = below ground surface, in = inches, mm = millimeters, DTW = depth to water, PID = photoionization detector, ppmv = parts per million by volume, SPC = Specific Conductivity, uS/cm = microSiemens per centimeter, Cl = chlorides, ppm = parts per million, HCl = hydrochloric acid, ∑TPH = Total Petroleum Hydrocarbons, mg/kg = milligrams per kilogram, ∑BTEX = Sum of Benezene, Toluene, Ethylbenzene, and Xylenes

SB-17

INTERA

Project Name: OCD Reed Estate

Project #: NMGSD.M005.OCDREEDFY24

LOG OF BORING: SB-17

Date Started:	05-15-2024	DTW (ft bgs):	Not Encountered
Date Completed:	05-22-2024	Boring Depth (ft bgs):	44
Drilling Method:	Sonic	Boring Diameter (in):	4.00
Sampling Method:	Continuous Core	Elevation (ft)*:	3694.64
Drilling Company:	Talon LPE	Latitude**:	33.000621
Driller:	J. Tomayo	Longitude**:	-103.082915
Logged By:	B. Williamson		

Depth (ft bgs)	Elevation (ft)	Lab Sample	PID (ppmv)	SPC (uS/cm)	Cl (ppm)	Lithology	Lithologic Description	Depth (ft bgs)
0							No recovery	0
			1	3797	120		Well-Graded SAND with Gravel (SW), fine to coarse grained, subrounded to subangular; few (5-10%) Clay; little (15-25%) Gravel, fine grained, subrounded to subangular; 7.5YR 4/3 (brown), medium dense, dry, no odor, no staining, moderate HCl reaction	
5	3690		3	6274	145			5
			1	13470	450		**SB-17 (7.5-10) Lab Results: ∑TPH <30 mg/kg, ∑BTEX <0.30 mg/kg, Cl = 4100 mg/kg**	
10							No recovery	10
15	3680							15

Lab Samples: Soil, Aqueous

PID (ppmv): <1, ≥1 & <10, ≥10 & <100, ≥100

SPC (uS/cm): <1000, ≥1000 & <2000, ≥2000

Cl (ppm): <30, ≥30 & <100, ≥100

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** = World Geodetic System 1984

ft = foot or feet, bgs = below ground surface, in = inches, mm = millimeters, DTW = depth to water, PID = photoionization detector, ppmv = parts per million by volume, SPC = Specific Conductivity, uS/cm = microSiemens per centimeter, Cl = chlorides, ppm = parts per million, HCl = hydrochloric acid, ∑TPH = Total Petroleum Hydrocarbons, mg/kg = milligrams per kilogram, ∑BTEX = Sum of Benezene, Toluene, Ethylbenzene, and Xylenes

INTERA

Project Name: OCD Reed Estate

Project #: NMGSD.M005.OCDREEDFY24

LOG OF BORING: SB-17

Date Started:	05-15-2024	DTW (ft bgs):	Not Encountered
Date Completed:	05-22-2024	Boring Depth (ft bgs):	44
Drilling Method:	Sonic	Boring Diameter (in):	4.00
Sampling Method:	Continuous Core	Elevation (ft)*:	3694.64
Drilling Company:	Talon LPE	Latitude**:	33.000621
Driller:	J. Tomayo	Longitude**:	-103.082915
Logged By:	B. Williamson		

Depth (ft bgs)	Elevation (ft)	Lab Sample	PID (ppmv)	SPC (uS/cm)	Cl (ppm)	Lithology	Lithologic Description
			0	7834	257		Well-Graded SAND with Gravel (SW), fine to coarse grained, subrounded to subangular; few (5-10%) Clay; little (15-25%) Gravel, fine to coarse grained, subrounded to subangular; 10YR 5/2 (grayish brown) to 10YR 8/1 (white), medium dense, dry, no odor, no staining, strong HCl reaction, max grain size 25 mm **SB-17 (16.5-19) Lab Results: ∑TPH <30 mg/kg, ∑BTEX <0.30 mg/kg, Cl = 1950 mg/kg**
							Not logged; resumed drilling on 5/21/2024 where driller tagged bottom of borehole at 21 ft bgs.
20							Poorly-Graded SAND (SP), fine grained, subrounded; 2.5YR 6/3 (light reddish brown), medium dense, dry, no odor, no staining, strong HCl reaction, moderate cementation, caliche soil; with caliche nodules 2-10 mm and some up to 40 mm; dries pinkish white; interval saturated with drilling fluid.
			1	888	31		Clayey SAND (SC), fine grained, Gley 1 7/, medium dense, strong HCl reaction, weak cementation, gray clayey sand; wet likey due to drilling fluids; dark staining with odor (possibly hydrocarbon). **SB-17 (21.5-24) Lab Results: ∑TPH = 523 mg/kg, ∑BTEX <0.30 mg/kg, Cl = 480 mg/kg**
25	3670		4	361	31		Well-Graded SAND (SW), fine grained, subrounded to subangular; 7.5YR 8/2 (pinkish white), medium dense, dry, no odor, no staining, strong HCl reaction, moderate cementation, moderate to strong caliche; mostly pulverized powdery material with some intact conchoidal fragments.
			3	334.7	<31		Well-Graded SAND (SW), fine to medium grained, subangular; 5YR 6/3 (light reddish brown), very dense, dry, no odor, no staining, strong HCl reaction, strong cementation, very strong caliche; lots of stick rock; some pieces up to 1' in length; dries pinkish white.
30							

Lab Samples: Soil, Aqueous

PID (ppmv): <1, ≥1 & <10, ≥10 & <100, ≥100

SPC (uS/cm): <1000, ≥1000 & <2000, ≥2000

Cl (ppm): <30, ≥30 & <100, ≥100

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** = World Geodetic System 1984

ft = foot or feet, bgs = below ground surface, in = inches, mm = millimeters, DTW = depth to water, PID = photoionization detector, ppmv = parts per million by volume, SPC = Specific Conductivity, uS/cm = microSiemens per centimeter, Cl = chlorides, ppm = parts per million, HCl = hydrochloric acid, ∑TPH = Total Petroleum Hydrocarbons, mg/kg = milligrams per kilogram, ∑BTEX = Sum of Benezene, Toluene, Ethylbenzene, and Xylenes

INTERA

Project Name: OCD Reed Estate

Project #: NMGSD.M005.OCDREEDFY24

LOG OF BORING: SB-17

Date Started:	05-15-2024	DTW (ft bgs):	Not Encountered
Date Completed:	05-22-2024	Boring Depth (ft bgs):	44
Drilling Method:	Sonic	Boring Diameter (in):	4.00
Sampling Method:	Continuous Core	Elevation (ft)*:	3694.64
Drilling Company:	Talon LPE	Latitude**:	33.000621
Driller:	J. Tomayo	Longitude**:	-103.082915
Logged By:	B. Williamson		

Depth (ft bgs)	Elevation (ft)	Lab Sample	PID (ppmv)	SPC (uS/cm)	Cl (ppm)	Lithology	Lithologic Description
35	3660		1	160.7	<31		
			0	136.5	<31		
			0	128.5	<31		
			1	262.5	<31		Well-Graded SAND (SW), fine grained, subrounded to subangular; 7.5YR 8/2 (pinkish white), medium dense, dry, no odor, no staining, strong HCl reaction, moderate cementation, moderate to strong caliche; mostly pulverized powdery material with some intact conchoidal fragments.
40			1	243.6	<31		
			9	239.2	<31		**SB-17 (41-44) Lab Results: ∑TPH = 72.4 mg/kg, ∑BTEX <0.30 mg/kg, Cl = 48.0 mg/kg** Poorly Graded SAND (SP), fine grained, subrounded; 7.5YR 5/4 (brown), dry, strong HCl reaction, weak cementation, soily texture with weak to moderate caliche; some caliche nodules 5-20 mm; staining with an odor. Note: PID reading of 9 ppm; not sure if this is drilling related or contamination; may want to return to this borehole and extend.

Lab Samples: Soil, Aqueous

PID (ppmv): <1, ≥1 & <10, ≥10 & <100, ≥100

SPC (uS/cm): <1000, ≥1000 & <2000, ≥2000

Cl (ppm): <30, ≥30 & <100, ≥100

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** = World Geodetic System 1984

ft = foot or feet, bgs = below ground surface, in = inches, mm = millimeters, DTW = depth to water, PID = photoionization detector, ppmv = parts per million by volume, SPC = Specific Conductivity, uS/cm = microSiemens per centimeter, Cl = chlorides, ppm = parts per million, HCl = hydrochloric acid, ∑TPH = Total Petroleum Hydrocarbons, mg/kg = milligrams per kilogram, ∑BTEX = Sum of Benezene, Toluene, Ethylbenzene, and Xylenes

SB-18

INTERA

Project Name: OCD Reed Estate

Project #: NMGSD.M005.OCDREEDFY24

LOG OF BORING: SB-18

Date Started:	05-16-2024	DTW (ft bgs):	Not Encountered
Date Completed:	05-17-2024	Boring Depth (ft bgs):	36
Drilling Method:	Sonic	Boring Diameter (in):	4.00
Sampling Method:	Continuous Core	Elevation (ft)*:	3694.85
Drilling Company:	Talon LPE	Latitude**:	33.000628
Driller:	J. Tomayo	Longitude**:	-103.082983
Logged By:	B. Williamson		

Depth (ft bgs)	Elevation (ft)	Lab Sample	PID (ppmv)	SPC (uS/cm)	Cl (ppm)	Lithology	Lithologic Description	Depth (ft bgs)
0			0	525	42		Well-Graded SAND with Gravel (SW), fine to medium grained, subrounded to subangular; some (30-45%) Sand, fine to medium grained, subrounded to subangular; little (15-25%) Gravel, medium to coarse grained, subrounded to subangular; 7.5 YR 8/3, medium dense, dry, no odor, no staining, moderate HCl reaction	0
			0	579	<31			
5	3690		0	602	<31			5
			0	700	31			
10			0	1262	<31			10
			0	470	<31			
15	3680							15

Lab Samples: Soil, Aqueous

PID (ppmv): <1, ≥1 & <10, ≥10 & <100, ≥100

SPC (uS/cm): <1000, ≥1000 & <2000, ≥2000

Cl (ppm): <30, ≥30 & <100, ≥100

* = INTERA LiDAR Survey, April 2023
** = World Geodetic System 1984

ft = foot or feet, bgs = below ground surface, in = inches, mm = millimeters, DTW = depth to water, PID = photoionization detector, ppmv = parts per million by volume, SPC = Specific Conductivity, uS/cm = microSiemens per centimeter, Cl = chlorides, ppm = parts per million, HCl = hydrochloric acid, ∑TPH = Total Petroleum Hydrocarbons, mg/kg = milligrams per kilogram, ∑BTEX = Sum of Benezene, Toluene, Ethylbenzene, and Xylenes

INTERA

Project Name: OCD Reed Estate

Project #: NMGSD.M005.OCDREEDFY24

LOG OF BORING: SB-18

Date Started:	05-16-2024	DTW (ft bgs):	Not Encountered
Date Completed:	05-17-2024	Boring Depth (ft bgs):	36
Drilling Method:	Sonic	Boring Diameter (in):	4.00
Sampling Method:	Continuous Core	Elevation (ft)*:	3694.85
Drilling Company:	Talon LPE	Latitude**:	33.000628
Driller:	J. Tomayo	Longitude**:	-103.082983
Logged By:	B. Williamson		

Depth (ft bgs)	Elevation (ft)	Lab Sample	PID (ppmv)	SPC (uS/cm)	Cl (ppm)	Lithology	Lithologic Description
0		Soil	0	739	<31	Poorly Graded SAND	Poorly Graded SAND with Gravel (SP), fine to medium grained, subrounded; few (5-10%) Clay; few (5-10%) Gravel, course grained, subrounded; 10YR 8/1 (white), loose, dry, moderate HCl reaction
							SB-18 (15-17.5) Lab Results: ∑TPH = 13.4 mg/kg, ∑BTEX <0.30 mg/kg, Cl = 128 mg/kg
			0	574	<31		
20			0	491	<31		
25	3670		0	338	<31		
			0	365	<31	Well-Graded SAND	Well-Graded SAND with Clay and Gravel (SW-SC), fine to coarse grained, rounded to subangular; little (15-25%) Clay; little (15-25%) Gravel, fine to coarse grained, subrounded to subangular; trace (<5%) Cobbles, subrounded to subangular; 10YR 6/1 (gray), medium dense, dry, no odor, no staining, moderate HCl reaction, max grain size 50 mm
30							

Lab Samples: Soil, Aqueous

PID (ppmv): <1, ≥1 & <10, ≥10 & <100, ≥100

SPC (uS/cm): <1000, ≥1000 & <2000, ≥2000

Cl (ppm): <30, ≥30 & <100, ≥100

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** = World Geodetic System 1984

ft = foot or feet, bgs = below ground surface, in = inches, mm = millimeters, DTW = depth to water, PID = photoionization detector, ppmv = parts per million by volume, SPC = Specific Conductivity, uS/cm = microSiemens per centimeter, Cl = chlorides, ppm = parts per million, HCl = hydrochloric acid, ∑TPH = Total Petroleum Hydrocarbons, mg/kg = milligrams per kilogram, ∑BTEX = Sum of Benezene, Toluene, Ethylbenzene, and Xylenes

INTERA

Project Name: OCD Reed Estate

Project #: NMGSD.M005.OCDREEDFY24

LOG OF BORING: SB-18

Date Started:	05-16-2024	DTW (ft bgs):	Not Encountered
Date Completed:	05-17-2024	Boring Depth (ft bgs):	36
Drilling Method:	Sonic	Boring Diameter (in):	4.00
Sampling Method:	Continuous Core	Elevation (ft)*:	3694.85
Drilling Company:	Talon LPE	Latitude**:	33.000628
Driller:	J. Tomayo	Longitude**:	-103.082983
Logged By:	B. Williamson		

Depth (ft bgs)	Elevation (ft)	Lab Sample	PID (ppmv)	SPC (uS/cm)	Cl (ppm)	Lithology	Lithologic Description	Depth (ft bgs)
			0	154	<31		Well-Graded GRAVEL with Sand (GW), fine to coarse grained, rounded to subangular; trace (<5%) Clay; little (15-25%) Sand, fine to coarse grained, subrounded to subangular; few (5-10%) Cobbles, rounded to subangular; 10YR 7/2 (light gray), loose, dry, no odor, no staining, weak HCl reaction, max grain size 75 mm	
35	3660		0	166	<31		**SB-18 (33-36) Lab Results: ∑TPH <30 mg/kg, ∑BTEX <0.30 mg/kg, Cl = 80 mg/kg**	35

Lab Samples
- Soil
- Aqueous

PID (ppmv)
- <1
- ≥1 & <10
- ≥10 & <100
- ≥100

SPC (uS/cm)
- <1000
- ≥1000 & <2000
- ≥2000

Cl (ppm)
- <30
- ≥30 & <100
- ≥100

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SB-19

INTERA

Project Name: OCD Reed Estate

Project #: NMGSD.M005.OCDREEDFY24

LOG OF BORING: SB-19

Date Started:	05-18-2024	DTW (ft bgs):	Not Encountered
Date Completed:	05-19-2024	Boring Depth (ft bgs):	37
Drilling Method:	Sonic	Boring Diameter (in):	4.00
Sampling Method:	Continuous Core	Elevation (ft)*:	3694.7
Drilling Company:	Talon LPE	Latitude**:	33.00081
Driller:	J. Tomayo	Longitude**:	-103.082932
Logged By:	H. Manlove		

Depth (ft bgs)	Elevation (ft)	Lab Sample	PID (ppmv)	SPC (uS/cm)	Cl (ppm)	Lithology	Lithologic Description	Depth (ft bgs)
0			0	2789	48		Sandy LEAN CLAY (CL), low plasticity; some (30-45%) Sand, fine to medium grained, subrounded; few (5-10%) Gravel, medium to coarse grained, subrounded; 10YR 3/3 (dark brown), soft, moist, moderate HCl reaction	0
			0	5084	109		Well-Graded SAND with Clay and Gravel (SW-SC), fine to coarse grained, subrounded to subangular; little (15-25%) Clay; some (30-45%) Gravel, fine to coarse grained, subrounded to subangular; 7.5YR 7/3 (pink), very loose, moderate HCl reaction, caliche	
5	3690		1	17443	482		Well-Graded SAND with Gravel (SW), fine to coarse grained, subrounded to subangular; trace (<5%) Clay; some (30-45%) Gravel, fine to coarse grained, subrounded to subangular; trace (<5%) Cobbles, subangular; 7.5YR 7/3 (pink) to 10YR 8/1 (white), very loose, moderate HCl reaction, caliche	5
10			1	17935	556		Well-Graded SAND with Gravel (SW), fine to coarse grained, subrounded to subangular; trace (<5%) Clay; some (30-45%) Gravel, fine to coarse grained, subrounded to subangular; trace (<5%) Cobbles, subangular; 10YR 8/1 (white) and 10YR 6/2 (light brownish gray / pale yellowish brown), very loose, caliche	10
			1	20203	556		Poorly Graded SAND with Clay and Gravel (SP-SC), fine to medium grained, subrounded to subangular; some (30-45%) Clay; some (30-45%) Gravel, fine to coarse grained, subrounded to subangular; 7.5YR 7/4 (pink) and 7.5YR 7/1 (light gray), very loose	
			0	33240	>646		Poorly Graded SAND with Clay and Gravel (SP-SC), fine to medium grained, subrounded to subangular; some (30-45%) Clay; some (30-45%) Gravel, fine to coarse grained, subrounded to subangular; 7.5YR 7/4 (pink) and 7.5YR 3/1 (very dark gray), very loose, moderate HCl reaction **SB-19 (12-14) Lab Results: ∑TPH = 23.2 mg/kg, ∑BTEX <0.30 mg/kg, Cl = 11600 mg/kg**	
15	3680						Poorly Graded SAND with Gravel (SP), fine to medium grained, subrounded to subangular; few (5-10%) Clay; some (30-45%) Gravel, fine to coarse grained, subrounded to subangular; 10YR 8/1 (white) and 10YR 5/4 (yellowish brown / moderate yellowish brown), very loose, hydrocarbon odor, moderate HCl reaction	15

Lab Samples: Soil, Aqueous

PID (ppmv): <1, ≥1 & <10, ≥10 & <100, ≥100

SPC (uS/cm): <1000, ≥1000 & <2000, ≥2000

Cl (ppm): <30, ≥30 & <100, ≥100

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ft = foot or feet, bgs = below ground surface, in = inches, mm = millimeters, DTW = depth to water, PID = photoionization detector, ppmv = parts per million by volume, SPC = Specific Conductivity, uS/cm = microSiemens per centimeter, Cl = chlorides, ppm = parts per million, HCl = hydrochloric acid, ∑TPH = Total Petroleum Hydrocarbons, mg/kg = milligrams per kilogram, ∑BTEX = Sum of Benezene, Toluene, Ethylbenzene, and Xylenes

INTERA

Project Name: OCD Reed Estate

Project #: NMGSD.M005.OCDREEDFY24

LOG OF BORING: SB-19

Date Started:	05-18-2024	DTW (ft bgs):	Not Encountered
Date Completed:	05-19-2024	Boring Depth (ft bgs):	37
Drilling Method:	Sonic	Boring Diameter (in):	4.00
Sampling Method:	Continuous Core	Elevation (ft)*:	3694.7
Drilling Company:	Talon LPE	Latitude**:	33.00081
Driller:	J. Tomayo	Longitude**:	-103.082932
Logged By:	H. Manlove		

Depth (ft bgs)	Elevation (ft)	Lab Sample	PID (ppmv)	SPC (uS/cm)	Cl (ppm)	Lithology	Lithologic Description	Depth (ft bgs)
			3	15154	482			
			0	3008	88		Poorly Graded SAND with Gravel (SP), fine to medium grained, subrounded; few (5-10%) Clay; few (5-10%) Gravel, medium to coarse grained, subangular; 10YR 6/1 (gray), loose, weak HCl reaction	
			0	9326	297		Well-Graded SAND with Clay and Gravel (SW-SC), fine to coarse grained, subrounded to subangular; some (30-45%) Clay; little (15-25%) Gravel, medium to coarse grained, subangular; 10YR 5/1 (gray) and 10YR 8/3 (very pale brown), loose, hydrocarbon odor, moderate HCl reaction	
20			0	2870	79		Well-Graded SAND with Gravel (SW), fine to coarse grained, trace (<5%) Clay; little (15-25%) Gravel, medium to coarse grained, subrounded to subangular; 10YR 8/3 (very pale brown) and 10YR 8/1 (white), very loose, moderate HCl reaction, caliche gravel	20
			1	2507	109		Well-Graded SAND with Gravel (SW), fine to coarse grained, trace (<5%) Clay; little (15-25%) Gravel, medium to coarse grained, subrounded to subangular; 10YR 8/3 (very pale brown) and 7.5YR 7/2 (pinkish gray), very loose, weak HCl reaction, caliche gravel	
	3670		0	1551	63		Poorly Graded SAND with Gravel (SP), fine to medium grained, subrounded; little (15-25%) Cobbles, subrounded to subangular; 10YR 8/1 (white), very loose, moderate HCl reaction, ground up powdered calcite	
25			0	222.4	<31		Poorly Graded SAND with Gravel (SP), fine to medium grained, subrounded; little (15-25%) Cobbles, subrounded to subangular; 10YR 8/1 (white), very loose, moderate HCl reaction, ground up powdered calcite	25
			0	248.5	<31		Well-Graded SAND with Gravel (SW), fine to coarse grained, subrounded to subangular; little (15-25%) Clay; little (15-25%) Gravel, medium to coarse grained, subangular; some (30-45%) Cobbles, subangular; 10YR 8/1 (white) and 7.5YR 7/3 (pink), loose, hydrocarbon odor, moderate HCl reaction, calcite cobbles	
30							No recovery	30

Lab Samples: Soil, Aqueous

PID (ppmv): <1, ≥1 & <10, ≥10 & <100, ≥100

SPC (uS/cm): <1000, ≥1000 & <2000, ≥2000

Cl (ppm): <30, ≥30 & <100, ≥100

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** = World Geodetic System 1984

ft = foot or feet, bgs = below ground surface, in = inches, mm = millimeters, DTW = depth to water, PID = photoionization detector, ppmv = parts per million by volume, SPC = Specific Conductivity, uS/cm = microSiemens per centimeter, Cl = chlorides, ppm = parts per million, HCl = hydrochloric acid, ∑TPH = Total Petroleum Hydrocarbons, mg/kg = milligrams per kilogram, ∑BTEX = Sum of Benezene, Toluene, Ethylbenzene, and Xylenes

INTERA

Project Name: OCD Reed Estate

Project #: NMGSD.M005.OCDREEDFY24

LOG OF BORING: SB-19

Date Started:	05-18-2024	DTW (ft bgs):	Not Encountered
Date Completed:	05-19-2024	Boring Depth (ft bgs):	37
Drilling Method:	Sonic	Boring Diameter (in):	4.00
Sampling Method:	Continuous Core	Elevation (ft)*:	3694.7
Drilling Company:	Talon LPE	Latitude**:	33.00081
Driller:	J. Tomayo	Longitude**:	-103.082932
Logged By:	H. Manlove		

Depth (ft bgs)	Elevation (ft)	Lab Sample	PID (ppmv)	SPC (uS/cm)	Cl (ppm)	Lithology	Lithologic Description	Depth (ft bgs)
35	3660		6	328.5	<31		Well-Graded SAND with Gravel (SW), fine to coarse grained, subrounded to subangular; little (15-25%) Clay; little (15-25%) Gravel, medium to coarse grained, subangular; some (30-45%) Cobbles, subangular; 10YR 7/2 (light gray), loose, hydrocarbon odor, moderate HCl reaction, calcite cobbles	35
			1	213.9	<31		Poorly Graded SAND with Gravel (SP), fine to medium grained, subrounded; 10YR 8/1 (white), very loose, moderate HCl reaction, ground up powdered calcite, large calcite cobble **SB-19 (35-37) Lab Results: ∑TPH <30 mg/kg, ∑BTEX <0.30 mg/kg, Cl = 48.0 mg/kg**	

Lab Samples: Soil, Aqueous

PID (ppmv): <1, ≥1 & <10, ≥10 & <100, ≥100

SPC (uS/cm): <1000, ≥1000 & <2000, ≥2000

Cl (ppm): <30, ≥30 & <100, ≥100

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ft = foot or feet, bgs = below ground surface, in = inches, mm = millimeters, DTW = depth to water, PID = photoionization detector, ppmv = parts per million by volume, SPC = Specific Conductivity, uS/cm = microSiemens per centimeter, Cl = chlorides, ppm = parts per million, HCl = hydrochloric acid, ∑TPH = Total Petroleum Hydrocarbons, mg/kg = milligrams per kilogram, ∑BTEX = Sum of Benezene, Toluene, Ethylbenzene, and Xylenes

SB-23

INTERA

Project Name: OCD Reed Estate

Project #: NMGSD.M005.OCDREEDFY24

LOG OF BORING: SB-23

Date Started:	05-20-2024	DTW (ft bgs):	Not Encountered
Date Completed:	05-21-2024	Boring Depth (ft bgs):	35
Drilling Method:	Sonic	Boring Diameter (in):	4.00
Sampling Method:	Continuous Core	Elevation (ft)*:	3694.28
Drilling Company:	Talon LPE	Latitude**:	33.000879
Driller:	J. Tomayo	Longitude**:	-103.083124
Logged By:	B. Archuleta		

Depth (ft bgs)	Elevation (ft)	Lab Sample	PID (ppmv)	SPC (uS/cm)	Cl (ppm)	Lithology	Lithologic Description	Depth (ft bgs)
0			2	681	<31		Well-Graded SAND (SW), fine to medium grained, subangular; few (5-10%) Silt; 7.5YR 3/4 (dark brown), loose, dry, no odor, no staining, no HCl reaction, weak cementation, top soil	0
							Silty SAND (SM), fine grained, 7.5YR 6/3 (light brown), dense, dry, no odor, no staining, strong HCl reaction, blocky, strong cementation, strong caliche; dries chalky white: cuttings up to 6"	
	3690		1	1099	42		Well-Graded SAND (SW), fine grained, 7.5YR 7/6 (reddish yellow), loose, dry, no odor, no staining, moderate HCl reaction, weak cementation, pinkish, moderate caliche; pulverized with larger pieces up to 2-4"	
5			0	1682	55			5
			0	1763	48			
10			0	2054	88		**SB-23 (11-13) Lab Results: ∑TPH <30 mg/kg, ∑BTEX <0.30 mg/kg, Cl = 528 mg/kg**	10
							Well-Graded SAND (SW), fine to coarse grained, subrounded to subangular; few (5-10%) Silt; 7.5YR 8/2 (pinkish white) and 7.5YR 4/1 (dark gray), medium dense, dry, strong HCl reaction, moderate cementation, moderate to strong caliche; dries white; cuttings up to 4 in. Grayish-brown zone between 13-16 ft bgs containing small 2" nodules of brown organic (?) soily material, possible faint hydrocarbon odor.	
	3680		1	1771	71			
15								15

Lab Samples: Soil, Aqueous

PID (ppmv): <1, ≥1 & <10, ≥10 & <100, ≥100

SPC (uS/cm): <1000, ≥1000 & <2000, ≥2000

Cl (ppm): <30, ≥30 & <100, ≥100

* = INTERA LiDAR Survey, April 2023
** = World Geodetic System 1984

ft = foot or feet, bgs = below ground surface, in = inches, mm = millimeters, DTW = depth to water, PID = photoionization detector, ppmv = parts per million by volume, SPC = Specific Conductivity, uS/cm = microSiemens per centimeter, Cl = chlorides, ppm = parts per million, HCl = hydrochloric acid, ∑TPH = Total Petroleum Hydrocarbons, mg/kg = milligrams per kilogram, ∑BTEX = Sum of Benezene, Toluene, Ethylbenzene, and Xylenes

INTERA

Project Name: OCD Reed Estate

Project #: NMGSD.M005.OCDREEDFY24

LOG OF BORING: SB-23

Date Started:	05-20-2024	DTW (ft bgs):	Not Encountered
Date Completed:	05-21-2024	Boring Depth (ft bgs):	35
Drilling Method:	Sonic	Boring Diameter (in):	4.00
Sampling Method:	Continuous Core	Elevation (ft)*:	3694.28
Drilling Company:	Talon LPE	Latitude**:	33.000879
Driller:	J. Tomayo	Longitude**:	-103.083124
Logged By:	B. Archuleta		

Depth (ft bgs)	Elevation (ft)	Lab Sample	PID (ppmv)	SPC (uS/cm)	Cl (ppm)	Lithology	Lithologic Description	Depth (ft bgs)
			2	1394	48			
			1	697	36		Well-Graded SAND (SW), fine to medium grained, subrounded to subangular; 7.5YR 8/2 (pinkish white), loose, dry, no odor, no staining, moderate HCl reaction, moderate cementation, moderate caliche; 60% pulverized sand; 40% chunks 2-50 mm	
20			1	257.6	<31			20
			2	209.6	<31			
	3670							
25			0	232.2	<31		Well-Graded SAND (SW), fine to medium grained, subangular; 7.5YR 8/2 (pinkish white), very dense, no odor, no staining, moderate HCl reaction, strong cementation, hard rock, very hard; likely a fine to medium sand with very strong calcite cementation and silicification (cherty); slightly vuggy/breccia texture; some zones saturated from water used for drilling; difficult drilling.	25
			0	239.9	<31			
30								30

Lab Samples: Soil, Aqueous

PID (ppmv): <1, ≥1 & <10, ≥10 & <100, ≥100

SPC (uS/cm): <1000, ≥1000 & <2000, ≥2000

Cl (ppm): <30, ≥30 & <100, ≥100

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** = World Geodetic System 1984

ft = foot or feet, bgs = below ground surface, in = inches, mm = millimeters, DTW = depth to water, PID = photoionization detector, ppmv = parts per million by volume, SPC = Specific Conductivity, uS/cm = microSiemens per centimeter, Cl = chlorides, ppm = parts per million, HCl = hydrochloric acid, ∑TPH = Total Petroleum Hydrocarbons, mg/kg = milligrams per kilogram, ∑BTEX = Sum of Benezene, Toluene, Ethylbenzene, and Xylenes

INTERA

Project Name: OCD Reed Estate

Project #: NMGSD.M005.OCDREEDFY24

LOG OF BORING: SB-23

Date Started:	05-20-2024	DTW (ft bgs):	Not Encountered
Date Completed:	05-21-2024	Boring Depth (ft bgs):	35
Drilling Method:	Sonic	Boring Diameter (in):	4.00
Sampling Method:	Continuous Core	Elevation (ft)*:	3694.28
Drilling Company:	Talon LPE	Latitude**:	33.000879
Driller:	J. Tomayo	Longitude**:	-103.083124
Logged By:	B. Archuleta		

Depth (ft bgs)	Elevation (ft)	Lab Sample	PID (ppmv)	SPC (uS/cm)	Cl (ppm)	Lithology	Lithologic Description	Depth (ft bgs)
			2	214.1	<31			
	3660		3	323.1	<31		SB-23 (32.5-35) Lab Results: ∑TPH = 12.6 mg/kg, ∑BTEX <0.30 mg/kg, Cl = 32.0 mg/kg	
35								35

Lab Samples
- Soil
- Aqueous

PID (ppmv)
- <1
- ≥1 & <10
- ≥10 & <100
- ≥100

SPC (uS/cm)
- <1000
- ≥1000 & <2000
- ≥2000

Cl (ppm)
- <30
- ≥30 & <100
- ≥100

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** = World Geodetic System 1984

ft = foot or feet, bgs = below ground surface, in = inches, mm = millimeters, DTW = depth to water, PID = photoionization detector, ppmv = parts per million by volume, SPC = Specific Conductivity, uS/cm = microSiemens per centimeter, Cl = chlorides, ppm = parts per million, HCl = hydrochloric acid, ∑TPH = Total Petroleum Hydrocarbons, mg/kg = milligrams per kilogram, ∑BTEX = Sum of Benezene, Toluene, Ethylbenzene, and Xylenes

SB-25

INTERA

Project Name:

Project #:
OCD Reed Estate

LOG OF BORING:

SB-25

Date Started:	05-14-2024	DTW (ft bgs):	Not Encountered
Date Completed:	05-15-2024	Boring Depth (ft bgs):	35.00
Drilling Method:	Sonic	Boring Diameter (in):	4.00
Sampling Method:	Continuous Core	Elevation (ft)*:	3691.89
Drilling Company:	Talon LPE	Latitude**:	33.001497
Driller:	J. Tomayo	Longitude**:	-103.083007
Logged By:	B. Williamson		

Depth (ft bgs)	Elevation (ft)	Lab Sample	PID (ppmv)	SPC (uS/cm)	Cl (ppm)	Lithology	Lithologic Description	Depth (ft bgs)
0			6	558	<31		Well-Graded SAND with Gravel (SW), fine to coarse grained, subrounded to angular; few (5-10%) Clay; trace (<5%) Gravel, fine to coarse grained, subrounded to angular; 5YR 8/2 (pinkish white), loose, dry to moist, no odor, no staining, moderate HCl reaction	0
	3690		2	520	36			
5			1	671	36			5
			9	524	42		LEAN CLAY with Sand (CL), low plasticity; little (15-25%) Sand, fine to coarse grained, subrounded to subangular; 7.5YR 5/3 (brown), hard, moist, no odor, no staining, weak HCl reaction	
10			1	442	36		Well-Graded SAND with Gravel (SW), medium grained, subrounded to subangular; trace (<5%) Clay; some (30-45%) Gravel, fine to coarse grained, subrounded to subangular; 10YR 8/1 (white), very loose, dry, no odor, no staining, strong HCl reaction, caliche sand, max grain size 75 mm	10
	3680							
15			5	356	36			15

Lab Samples
- Soil
- Aqueous

PID (ppmv)
- <1
- ≥1 & <10
- ≥10 & <100
- ≥100

SPC (uS/cm)
- <1000
- ≥1000 & <2000
- ≥2000

Cl (ppm)
- <30
- ≥30 & <100
- ≥100

* = INTERA LiDAR Survey, April 2023
** = World Geodetic System 1984

ft = foot or feet, bgs = below ground surface, in = inches, mm = millimeters, DTW = depth to water, PID = photoionization detector, ppmv = parts per million by volume, SPC = Specific Conductivity, uS/cm = microSiemens per centimeter, Cl = chlorides, ppm = parts per million, HCl = hydrochloric acid, ∑TPH = Total Petroleum Hydrocarbons, mg/kg = milligrams per kilogram, ∑BTEX = Sum of Benezene, Toluene, Ethylbenzene, and Xylenes

INTERA

Project Name:

Project #:
OCD Reed Estate

LOG OF BORING:

SB-25

Date Started:	05-14-2024	DTW (ft bgs):	Not Encountered
Date Completed:	05-15-2024	Boring Depth (ft bgs):	35.00
Drilling Method:	Sonic	Boring Diameter (in):	4.00
Sampling Method:	Continuous Core	Elevation (ft)*:	3691.89
Drilling Company:	Talon LPE	Latitude**:	33.001497
Driller:	J. Tomayo	Longitude**:	-103.083007
Logged By:	B. Williamson		

Depth (ft bgs)	Elevation (ft)	Lab Sample	PID (ppmv)	SPC (uS/cm)	Cl (ppm)	Lithology	Lithologic Description	Depth (ft bgs)
			1	509	36		Well-Graded SAND with Clay and Gravel (SW-SC), medium grained, subrounded to subangular; little (15-25%) Clay; some (30-45%) Gravel, fine to coarse grained, subrounded to subangular; 10YR 8/1 (white) to 7.5YR 8/2 (pinkish white), medium dense, dry, no odor, no staining, strong HCl reaction, clayey caliche sand, max grain size 75 mm	
			0	545	36			
20			7	700	42			20
	3670						Poorly Graded GRAVEL with Sand (GP), fine to coarse grained, subrounded to subangular; little (15-25%) Sand, fine to coarse grained, subrounded to subangular; little (15-25%) Cobbles, subrounded to subangular; 7.5YR 8/2 (pinkish white) and 10YR 8/1 (white), very loose, dry, no odor, no staining, weak HCl reaction, gravel with cobbles and sand. cobbles are very hard, fine grain rock, pinkish white w/ weak hcl reaction, max grain size 200 mm	
25			5	545	42			25
			51	866	42		Poorly Graded SAND with Clay and Gravel (SP-SC), fine to coarse grained, subrounded to subangular; little (15-25%) Clay; little (15-25%) Gravel, fine to coarse grained, subrounded to subangular; 10YR 5/2 (grayish brown), medium dense, moist, no odor, no staining, strong HCl reaction, caliche sediments, max grain size 55 mm	
30							**SB-25 (28-30) Lab Results: ∑TPH = 44.2 mg/kg, ∑BTEX <0.30 mg/kg, Cl = 32.0 mg/kg**	30

Lab Samples
- Soil
- Aqueous

PID (ppmv)
- <1
- ≥1 & <10
- ≥10 & <100
- ≥100

SPC (uS/cm)
- <1000
- ≥1000 & <2000
- ≥2000

Cl (ppm)
- <30
- ≥30 & <100
- ≥100

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** = World Geodetic System 1984

ft = foot or feet, bgs = below ground surface, in = inches, mm = millimeters, DTW = depth to water, PID = photoionization detector, ppmv = parts per million by volume, SPC = Specific Conductivity, uS/cm = microSiemens per centimeter, Cl = chlorides, ppm = parts per million, HCl = hydrochloric acid, ∑TPH = Total Petroleum Hydrocarbons, mg/kg = milligrams per kilogram, ∑BTEX = Sum of Benezene, Toluene, Ethylbenzene, and Xylenes

INTERA

Project Name:

Project #:
OCD Reed Estate

LOG OF BORING:

SB-25

Date Started:	05-14-2024	DTW (ft bgs):	Not Encountered
Date Completed:	05-15-2024	Boring Depth (ft bgs):	35.00
Drilling Method:	Sonic	Boring Diameter (in):	4.00
Sampling Method:	Continuous Core	Elevation (ft)*:	3691.89
Drilling Company:	Talon LPE	Latitude**:	33.001497
Driller:	J. Tomayo	Longitude**:	-103.083007
Logged By:	B. Williamson		

Depth (ft bgs)	Elevation (ft)	Lab Sample	PID (ppmv)	SPC (uS/cm)	Cl (ppm)	Lithology	Lithologic Description	Depth (ft bgs)
	3660		0	692	42		Poorly Graded SAND with Clay and Gravel (SP-SC), fine to coarse grained, subrounded to subangular; little (15-25%) Clay; little (15-25%) Gravel, fine to coarse grained, subrounded to subangular; 10YR 5/2 (grayish brown), medium dense, moist, no odor, no staining, strong HCl reaction, caliche sediments. Same as interval above but with less and smaller gravel, max grain size 50 mm	
35			0	700	42		**SB-25 (32.5-35) Lab Results: ∑TPH <30 mg/kg, ∑BTEX <0.30 mg/kg, Cl = 16.0 mg/kg**	35

Lab Samples
- Soil
- Aqueous

PID (ppmv)
- <1
- ≥1 & <10
- ≥10 & <100
- ≥100

SPC (uS/cm)
- <1000
- ≥1000 & <2000
- ≥2000

Cl (ppm)
- <30
- ≥30 & <100
- ≥100

* = INTERA LiDAR Survey, April 2023
** = World Geodetic System 1984

ft = foot or feet, bgs = below ground surface, in = inches, mm = millimeters, DTW = depth to water, PID = photoionization detector, ppmv = parts per million by volume, SPC = Specific Conductivity, uS/cm = microSiemens per centimeter, Cl = chlorides, ppm = parts per million, HCl = hydrochloric acid, ∑TPH = Total Petroleum Hydrocarbons, mg/kg = milligrams per kilogram, ∑BTEX = Sum of Benezene, Toluene, Ethylbenzene, and Xylenes

SB-26

INTERA

Project Name: OCD Reed Estate

Project #: NMGSD.M005.OCDREEDFY24

LOG OF BORING: SB-26

Date Started:	05-23-2024	DTW (ft bgs):	Not Encountered
Date Completed:	05-23-2024	Boring Depth (ft bgs):	14.50
Drilling Method:	Sonic	Boring Diameter (in):	4.00
Sampling Method:	Continuous Core	Elevation (ft)*:	3694.04
Drilling Company:	Talon LPE	Latitude**:	33.000678
Driller:	J. Tomayo	Longitude**:	-103.082668
Logged By:	B. Archuleta		

Depth (ft bgs)	Elevation (ft)	Lab Sample	PID (ppmv)	SPC (uS/cm)	Cl (ppm)	Lithology	Lithologic Description
0			6	292.8	<31		Well-Graded SAND (SW), fine to medium grained, few (5-10%) Silt; 7.5YR 3/4 (dark brown), medium dense, dry, no odor, no staining, weak HCl reaction, weak cementation, top soil with 20 mm caliche nodules; weak caliche
			2	347.8	<31		Well-Graded SAND (SW), fine to medium grained, 7.5YR 8/3 (pink), medium dense, dry, no odor, no staining, strong HCl reaction, moderate cementation, nodular caliche; moderate caliche; dries chalky white
	3690						
5			2	290.5	31		**SB-26 (4-6) Lab Results: ∑TPH <30 mg/kg, ∑BTEX <0.30 mg/kg, Cl = 32.0 mg/kg**
			1	375.8	<31		
			1	329.1	<31		Well-Graded SAND (SW), fine grained, subrounded; 7.5YR 8/2 (pinkish white), medium dense, dry, no odor, no staining, strong HCl reaction, moderate cementation, moderate to strong nodular caliche zone; nodules 5 mm to 20 mm; hard granular texture
10			1	444.7	<31		
			1	440.2	<31		Well-Graded SAND (SW), fine grained, subrounded; 7.5YR 8/2 (pinkish white), medium dense, dry, no odor, no staining, strong HCl reaction, strong cementation, strong caliche with zones of hard cherty texture; pulverized cuttings; dries chalky white Drillers lost bit at 14.5' bgs; hard drilling. **SB-26 (12-14.5) Lab Results: ∑TPH <30 mg/kg, ∑BTEX <0.30 mg/kg, Cl = 32.0 mg/kg**
	3680						

Lab Samples: Soil, Aqueous

PID (ppmv): <1, ≥1 & <10, ≥10 & <100, ≥100

SPC (uS/cm): <1000, ≥1000 & <2000, ≥2000

Cl (ppm): <30, ≥30 & <100, ≥100

* = INTERA LiDAR Survey, April 2023
** = World Geodetic System 1984

ft = foot or feet, bgs = below ground surface, in = inches, mm = millimeters, DTW = depth to water, PID = photoionization detector, ppmv = parts per million by volume, SPC = Specific Conductivity, uS/cm = microSiemens per centimeter, Cl = chlorides, ppm = parts per million, HCl = hydrochloric acid, ∑TPH = Total Petroleum Hydrocarbons, mg/kg = milligrams per kilogram, ∑BTEX = Sum of Benezene, Toluene, Ethylbenzene, and Xylenes

Appendix C

Laboratory Reports – Drilling Investigation

OCD Reed Estate Wellsite Remediation FY24

CARDINAL Laboratories

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

May 15, 2024

EMILY WOOSLEY

INTERA, INC.

6000 UPTOWN BLVD, NE SUITE 220

ALBUQUERQUE, NM 87110

RE: OCD REED ESTATE

Enclosed are the results of analyses for samples received by the laboratory on 05/14/24 16:43.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

INTERA, INC.
EMILY WOOSLEY
6000 UPTOWN BLVD, NE SUITE 220
ALBUQUERQUE NM, 87110
Fax To: (505) 246-2600

Received:	05/14/2024	Sampling Date:	05/14/2024
Reported:	05/15/2024	Sampling Type:	Soil
Project Name:	OCD REED ESTATE	Sampling Condition:	Cool & Intact
Project Number:	NMGSD.M005.OCD.REED	Sample Received By:	Alyssa Parras
Project Location:	OCD REED ESTATE		

Sample ID: SB - 02 (8 - 10) (H242653-01)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/15/2024	ND	1.95	97.3	2.00	10.2	
Toluene*	<0.050	0.050	05/15/2024	ND	1.90	95.1	2.00	9.52	
Ethylbenzene*	<0.050	0.050	05/15/2024	ND	1.88	94.1	2.00	8.07	
Total Xylenes*	<0.150	0.150	05/15/2024	ND	5.49	91.4	6.00	8.16	
Total BTEX	<0.300	0.300	05/15/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *79.8 %* *71.5-134*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	05/15/2024	ND	400	100	400	11.3	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/14/2024	ND	186	92.8	200	1.84	
DRO >C10-C28*	<10.0	10.0	05/14/2024	ND	199	99.6	200	4.76	
EXT DRO >C28-C36	<10.0	10.0	05/14/2024	ND					

Surrogate: 1-Chlorooctane *91.5 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *96.3 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

INTERA, INC.
EMILY WOOSLEY
6000 UPTOWN BLVD, NE SUITE 220
ALBUQUERQUE NM, 87110
Fax To: (505) 246-2600

Received:	05/14/2024	Sampling Date:	05/14/2024
Reported:	05/15/2024	Sampling Type:	Soil
Project Name:	OCD REED ESTATE	Sampling Condition:	Cool & Intact
Project Number:	NMGSD.M005.OCD.REED	Sample Received By:	Alyssa Parras
Project Location:	OCD REED ESTATE		

Sample ID: SB - 02 (34.5-36) (H242653-02)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/15/2024	ND	1.95	97.3	2.00	10.2	
Toluene*	<0.050	0.050	05/15/2024	ND	1.90	95.1	2.00	9.52	
Ethylbenzene*	<0.050	0.050	05/15/2024	ND	1.88	94.1	2.00	8.07	
Total Xylenes*	<0.150	0.150	05/15/2024	ND	5.49	91.4	6.00	8.16	
Total BTEX	<0.300	0.300	05/15/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *80.5 %* *71.5-134*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	05/15/2024	ND	400	100	400	11.3	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/14/2024	ND	186	92.8	200	1.84	
DRO >C10-C28*	<10.0	10.0	05/14/2024	ND	199	99.6	200	4.76	
EXT DRO >C28-C36	<10.0	10.0	05/14/2024	ND					

Surrogate: 1-Chlorooctane *103 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *108 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Notes and Definitions

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

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

		BILL TO	
Company Name:	INTERA	P.O. #:	NMGSD.M005.OCD
Project Manager:	Emily Woolsey	Company:	
Address:	2440 Louisiana Blvd NE, #700	Attn:	Emily Woolsey
City: ABQ	State: NM Zip: 87110	Address:	
Phone #: 505-246-1600	Fax #:	City:	
Project #: NMGSD.M005.OCD	Project Owner:	State: Zip:	
Project Name:	OCD Reed Estate	Phone #:	
Project Location:	OCD Reed Estate	Fax #:	
Sampler Name:	Brian Schmidt		

ANALYSIS REQUEST

Lab I.D. (FOR LAB USE ONLY)	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	MATRIX: WASTEWATER	MATRIX: SOIL	MATRIX: OIL	MATRIX: SLUDGE	MATRIX: OTHER :	PRESERV.: ACID/BASE:	PRESERV.: ICE / COOL	PRESERV.: OTHER :	SAMPLING: DATE	SAMPLING: TIME	Cl⁻ SM4500	8021B	8015 M/D (GRO/MRO/DRO)
H242453 1	SB-02 (8-10)	C	1			X					X		5/14/24	1330	X	X	X
2	SB-02 (34.5-36)	C	1			X					X		5/14/24	1335	X	X	X

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 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 consequental 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.

Relinquished By: [signature]	Date: 5/14/24 Time: 1643	Received By: [signature]	Verbal Result: ☐ Yes ☐ No Add'l Phone #: All Results are emailed. Please provide Email address:
Relinquished By:	Date: Time:	Received By:	REMARKS:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C 4.3 Corrected Temp. °C	Sample Condition Cool ☑ Yes ☐ No Intact ☑ Yes ☐ No	CHECKED BY: (Initials) [initials]

Turnaround Time: Standard ☐ Rush ☑ 24hr
Thermometer ID ~~#113~~ AP Correction Factor ~~-0.5°C~~ 140
Bacteria (only) Sample Condition Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No Observed Temp. °C Corrected Temp. °C

FORM-006 R 3.2 10/07/21

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

CARDINAL Laboratories

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

May 16, 2024

EMILY WOOSLEY

INTERA, INC.

6000 UPTOWN BLVD, NE SUITE 220

ALBUQUERQUE, NM 87110

RE: OCD REED ESTATE

Enclosed are the results of analyses for samples received by the laboratory on 05/15/24 16:34.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

INTERA, INC.
EMILY WOOSLEY
6000 UPTOWN BLVD, NE SUITE 220
ALBUQUERQUE NM, 87110
Fax To: (505) 246-2600

Received:	05/15/2024	Sampling Date:	05/15/2024
Reported:	05/16/2024	Sampling Type:	Soil
Project Name:	OCD REED ESTATE	Sampling Condition:	Cool & Intact
Project Number:	NMGSD.M005.OCD.REED	Sample Received By:	Tamara Oldaker
Project Location:	OCD REED ESTATE		

Sample ID: SB - 25 (28 - 30) (H242696-01)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	**0.050**	0.050	05/16/2024	ND	1.90	94.9	2.00	1.67	
Toluene*	**0.098**	0.050	05/16/2024	ND	1.87	93.3	2.00	1.81	GC-NC1
Ethylbenzene*	<0.050	0.050	05/16/2024	ND	1.88	94.2	2.00	1.95	
Total Xylenes*	<0.150	0.150	05/16/2024	ND	5.47	91.2	6.00	1.98	
Total BTEX	<0.300	0.300	05/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *96.0 %* *71.5-134*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	05/16/2024	ND	400	100	400	7.69	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/16/2024	ND	171	85.7	200	0.00	
DRO >C10-C28*	**30.6**	10.0	05/16/2024	ND	215	107	200	14.4	
EXT DRO >C28-C36	**13.6**	10.0	05/16/2024	ND					

Surrogate: 1-Chlorooctane *100 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *104 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

INTERA, INC.
EMILY WOOSLEY
6000 UPTOWN BLVD, NE SUITE 220
ALBUQUERQUE NM, 87110
Fax To: (505) 246-2600

Received:	05/15/2024	Sampling Date:	05/15/2024
Reported:	05/16/2024	Sampling Type:	Soil
Project Name:	OCD REED ESTATE	Sampling Condition:	Cool & Intact
Project Number:	NMGSD.M005.OCD.REED	Sample Received By:	Tamara Oldaker
Project Location:	OCD REED ESTATE		

Sample ID: SB - 25 (32.5 - 35) (H242696-02)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/16/2024	ND	1.90	94.9	2.00	1.67	
Toluene*	<0.050	0.050	05/16/2024	ND	1.87	93.3	2.00	1.81	
Ethylbenzene*	<0.050	0.050	05/16/2024	ND	1.88	94.2	2.00	1.95	
Total Xylenes*	<0.150	0.150	05/16/2024	ND	5.47	91.2	6.00	1.98	
Total BTEX	<0.300	0.300	05/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.0 %* *71.5-134*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	05/16/2024	ND	400	100	400	7.69	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/16/2024	ND	171	85.7	200	0.00	
DRO >C10-C28*	<10.0	10.0	05/16/2024	ND	215	107	200	14.4	
EXT DRO >C28-C36	<10.0	10.0	05/16/2024	ND					

Surrogate: 1-Chlorooctane *94.0 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *93.6 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

INTERA, INC.
EMILY WOOSLEY
6000 UPTOWN BLVD, NE SUITE 220
ALBUQUERQUE NM, 87110
Fax To: (505) 246-2600

Received:	05/15/2024	Sampling Date:	05/15/2024
Reported:	05/16/2024	Sampling Type:	Soil
Project Name:	OCD REED ESTATE	Sampling Condition:	Cool & Intact
Project Number:	NMGSD.M005.OCD.REED	Sample Received By:	Tamara Oldaker
Project Location:	OCD REED ESTATE		

Sample ID: SB - 03 (10 - 12.5) (H242696-03)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/16/2024	ND	1.90	94.9	2.00	1.67	
Toluene*	<0.050	0.050	05/16/2024	ND	1.87	93.3	2.00	1.81	
Ethylbenzene*	<0.050	0.050	05/16/2024	ND	1.88	94.2	2.00	1.95	
Total Xylenes*	<0.150	0.150	05/16/2024	ND	5.47	91.2	6.00	1.98	
Total BTEX	<0.300	0.300	05/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *95.6 %* *71.5-134*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	05/16/2024	ND	400	100	400	7.69	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/16/2024	ND	171	85.7	200	0.00	
DRO >C10-C28*	<10.0	10.0	05/16/2024	ND	215	107	200	14.4	
EXT DRO >C28-C36	<10.0	10.0	05/16/2024	ND					

Surrogate: 1-Chlorooctane *89.9 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *90.5 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

INTERA, INC.
EMILY WOOSLEY
6000 UPTOWN BLVD, NE SUITE 220
ALBUQUERQUE NM, 87110
Fax To: (505) 246-2600

Received:	05/15/2024	Sampling Date:	05/15/2024
Reported:	05/16/2024	Sampling Type:	Soil
Project Name:	OCD REED ESTATE	Sampling Condition:	Cool & Intact
Project Number:	NMGSD.M005.OCD.REED	Sample Received By:	Tamara Oldaker
Project Location:	OCD REED ESTATE		

Sample ID: SB - 03 (31.5 - 35) (H242696-04)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/16/2024	ND	1.90	94.9	2.00	1.67	
Toluene*	<0.050	0.050	05/16/2024	ND	1.87	93.3	2.00	1.81	
Ethylbenzene*	<0.050	0.050	05/16/2024	ND	1.88	94.2	2.00	1.95	
Total Xylenes*	<0.150	0.150	05/16/2024	ND	5.47	91.2	6.00	1.98	
Total BTEX	<0.300	0.300	05/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.5 %* *71.5-134*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	05/16/2024	ND	400	100	400	7.69	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/16/2024	ND	171	85.7	200	0.00	
DRO >C10-C28*	**15.4**	10.0	05/16/2024	ND	215	107	200	14.4	
EXT DRO >C28-C36	<10.0	10.0	05/16/2024	ND					

Surrogate: 1-Chlorooctane *92.4 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *95.0 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Notes and Definitions

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

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	INTERA INC	**BILL TO**	
Project Manager:	EMILY WOOLSEY	P.O. #:	
Address:	2440 LOUISIANA BLVD NE SUITE 700	Company:	
City:	ALBUQUERQUE State: NM Zip: 87110	Attn:	EMILY WOOLSEY
Phone #:	505-246-1600 Fax #: —	Address:	
Project #:	NMGS0.M005.060-REED Project Owner:	City:	
Project Name:	060 REED ESTATE	State: Zip:	
Project Location:	060 REED ESTATE	Phone #:	
Sampler Name:	BRIAN SCHMIDT	Fax #:	

FOR LAB USE ONLY				MATRIX							PRESERV.			SAMPLING		ANALYSIS REQUEST											
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	Cl- : SM 4500	TPH: 8015 (GRO/DRO/MRO)	BTEX: 8021										
H242696																											
1	SB-25 (28-30)	C	1			X							5/15/24	1140	X	X	X										
2	SB-25 (32.5-35)	C	1			X							5/15/24	1145	X	X	X										
3	SB-03 (10-12.5)	C	1			X							5/15/24	1450	X	X	X										
4	SB-03 (31.5-35)	C	1			X							5/15/24	1455	X	X	X										

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 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 consequental 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.

Relinquished By:	Date: 5-15-24	Received By:	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
	Time: 16:34		All Results are emailed. Please provide Email address: ewoolsey@intera.com
Relinquished By:	Date:	Received By:	REMARKS:
	Time:		

Delivered By: (Circle One)	Observed Temp. °C 1.4	Sample Condition	CHECKED BY:	Turnaround Time: Standard ☐ Rush ☑ 24 hr
Sampler - UPS - Bus - Other:	Corrected Temp. °C	Cool: ☑ Yes ☐ No Intact: ☐ Yes ☐ No	(Initials)	Thermometer ID #140 Correction Factor 0°C

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No Observed Temp. °C Corrected Temp. °C

FORM-006 R 3.4 07/11/23

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

CARDINAL Laboratories

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

May 17, 2024

EMILY WOOSLEY

INTERA, INC.

6000 UPTOWN BLVD, NE SUITE 220

ALBUQUERQUE, NM 87110

RE: OCD REED ESTATE

Enclosed are the results of analyses for samples received by the laboratory on 05/16/24 15:20.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

INTERA, INC.
EMILY WOOSLEY
6000 UPTOWN BLVD, NE SUITE 220
ALBUQUERQUE NM, 87110
Fax To: (505) 246-2600

Received:	05/16/2024	Sampling Date:	05/16/2024
Reported:	05/17/2024	Sampling Type:	Soil
Project Name:	OCD REED ESTATE	Sampling Condition:	Cool & Intact
Project Number:	NMGSD.M005.OCD.REED	Sample Received By:	Alyssa Parras
Project Location:	OCD REED ESTATE		

Sample ID: SB - 17 (7.5-10) (H242721-01)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/16/2024	ND	2.15	108	2.00	2.32	
Toluene*	<0.050	0.050	05/16/2024	ND	2.18	109	2.00	0.855	
Ethylbenzene*	<0.050	0.050	05/16/2024	ND	2.14	107	2.00	0.0235	
Total Xylenes*	<0.150	0.150	05/16/2024	ND	6.58	110	6.00	0.307	
Total BTEX	<0.300	0.300	05/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *106 %* *71.5-134*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**4100**	16.0	05/17/2024	ND	416	104	400	7.41	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/16/2024	ND	183	91.6	200	0.946	
DRO >C10-C28*	<10.0	10.0	05/16/2024	ND	177	88.7	200	0.825	
EXT DRO >C28-C36	<10.0	10.0	05/16/2024	ND					

Surrogate: 1-Chlorooctane *95.9 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *84.2 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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

CARDINAL Laboratories

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

Analytical Results For:

INTERA, INC.
EMILY WOOSLEY
6000 UPTOWN BLVD, NE SUITE 220
ALBUQUERQUE NM, 87110
Fax To: (505) 246-2600

Received:	05/16/2024	Sampling Date:	05/16/2024
Reported:	05/17/2024	Sampling Type:	Soil
Project Name:	OCD REED ESTATE	Sampling Condition:	Cool & Intact
Project Number:	NMGSD.M005.OCD.REED	Sample Received By:	Alyssa Parras
Project Location:	OCD REED ESTATE		

Sample ID: SB - 17 (16.5-19) (H242721-02)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/16/2024	ND	2.15	108	2.00	2.32	
Toluene*	<0.050	0.050	05/16/2024	ND	2.18	109	2.00	0.855	
Ethylbenzene*	<0.050	0.050	05/16/2024	ND	2.14	107	2.00	0.0235	
Total Xylenes*	<0.150	0.150	05/16/2024	ND	6.58	110	6.00	0.307	
Total BTEX	<0.300	0.300	05/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *106 %* *71.5-134*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1950**	16.0	05/17/2024	ND	416	104	400	7.41	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/16/2024	ND	183	91.6	200	0.946	
DRO >C10-C28*	<10.0	10.0	05/16/2024	ND	177	88.7	200	0.825	
EXT DRO >C28-C36	<10.0	10.0	05/16/2024	ND					

Surrogate: 1-Chlorooctane *101 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *89.1 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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

CARDINAL Laboratories

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

Analytical Results For:

INTERA, INC.
EMILY WOOSLEY
6000 UPTOWN BLVD, NE SUITE 220
ALBUQUERQUE NM, 87110
Fax To: (505) 246-2600

Received:	05/16/2024	Sampling Date:	05/16/2024
Reported:	05/17/2024	Sampling Type:	Soil
Project Name:	OCD REED ESTATE	Sampling Condition:	Cool & Intact
Project Number:	NMGSD.M005.OCD.REED	Sample Received By:	Alyssa Parras
Project Location:	OCD REED ESTATE		

Sample ID: 820_CF_33 (H242721-03)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/16/2024	ND	2.15	108	2.00	2.32	
Toluene*	<0.050	0.050	05/16/2024	ND	2.18	109	2.00	0.855	
Ethylbenzene*	<0.050	0.050	05/16/2024	ND	2.14	107	2.00	0.0235	
Total Xylenes*	<0.150	0.150	05/16/2024	ND	6.58	110	6.00	0.307	
Total BTEX	<0.300	0.300	05/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *107 %* *71.5-134*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**160**	16.0	05/17/2024	ND	416	104	400	7.41	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/16/2024	ND	183	91.6	200	0.946	
DRO >C10-C28*	<10.0	10.0	05/16/2024	ND	177	88.7	200	0.825	
EXT DRO >C28-C36	<10.0	10.0	05/16/2024	ND					

Surrogate: 1-Chlorooctane *103 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *89.7 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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

CARDINAL Laboratories

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

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

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

CARDINAL Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	INTERA
Project Manager:	Emily Woolsey
Address:	2440 Louisiana Blvd NE, #700
City:	ABQ State: NM Zip: 87110
Phone #:	505-246-1600 Fax #:
Project #:	NMOSD, NM05, OCD Project Owner:
Project Name:	OCD Reed Estate
Project Location:	OCD Reed Estate
Sampler Name:	H. Mangione

BILL TO

P.O. #:	
Company:	
Attn:	
Address:	
City:	
State:	Zip:
Phone #:	
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING: DATE	TIME	300.0 SM 4500 (Cl⁻)	8015 (GRO/DRO/MRO)	8021 (BTEX)
1124721											✓						
1	SB-17 (7.5-10)	C	1			X					X		5/16/24	1107	X	X	X
2	SB-17 (16.5-19)	C	1			X					X		5/16/24	1109	X	X	X
3	820_CF_33	C	1			X					X		5/16/24	0730	X	X	X

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 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 consequental 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.

Relinquished By:	Date: 5/16/24	Received By:	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
	Time: 1520		All Results are emailed. Please provide Email address:
Relinquished By:	Date:	Received By:	REMARKS:
	Time:		

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

Observed Temp. °C
Corrected Temp. °C 4.4

Sample Condition: Cool ☑ Yes ☐ No; Intact ☐ Yes ☐ No

CHECKED BY: (Initials) KP

Turnaround Time: Standard ☐ Rush ☑

Thermometer ID #113 Correction Factor -0.5°C +140 24

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No; Intact ☐ Yes ☐ No

Observed Temp. °C

Corrected Temp. °C

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

FORM-006 R 3.2 10/07/21

CARDINAL Laboratories

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

May 20, 2024

EMILY WOOSLEY

INTERA, INC.

6000 UPTOWN BLVD, NE SUITE 220

ALBUQUERQUE, NM 87110

RE: OCD REED ESTATE

Enclosed are the results of analyses for samples received by the laboratory on 05/17/24 16:37.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

INTERA, INC.
EMILY WOOSLEY
6000 UPTOWN BLVD, NE SUITE 220
ALBUQUERQUE NM, 87110
Fax To: (505) 246-2600

Received:	05/17/2024	Sampling Date:	05/17/2024
Reported:	05/20/2024	Sampling Type:	Soil
Project Name:	OCD REED ESTATE	Sampling Condition:	** (See Notes)
Project Number:	NMGSD.M005.OCD.REED	Sample Received By:	Alyssa Parras
Project Location:	OCD REED ESTATE		

Sample ID: SB - 18 (33-36) (H242753-01)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/20/2024	ND	2.19	110	2.00	10.3	
Toluene*	<0.050	0.050	05/20/2024	ND	2.10	105	2.00	6.72	
Ethylbenzene*	<0.050	0.050	05/20/2024	ND	2.12	106	2.00	3.38	
Total Xylenes*	<0.150	0.150	05/20/2024	ND	6.08	101	6.00	3.88	
Total BTEX	<0.300	0.300	05/20/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *92.8 %* *71.5-134*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	05/20/2024	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/18/2024	ND	179	89.6	200	0.846	
DRO >C10-C28*	<10.0	10.0	05/18/2024	ND	169	84.6	200	3.97	
EXT DRO >C28-C36	<10.0	10.0	05/18/2024	ND					

Surrogate: 1-Chlorooctane *98.4 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *112 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

INTERA, INC.
EMILY WOOSLEY
6000 UPTOWN BLVD, NE SUITE 220
ALBUQUERQUE NM, 87110
Fax To: (505) 246-2600

Received:	05/17/2024	Sampling Date:	05/17/2024
Reported:	05/20/2024	Sampling Type:	Soil
Project Name:	OCD REED ESTATE	Sampling Condition:	** (See Notes)
Project Number:	NMGSD.M005.OCD.REED	Sample Received By:	Alyssa Parras
Project Location:	OCD REED ESTATE		

Sample ID: SB - 18 (15-17.5) (H242753-02)

BTEX 8021B mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/20/2024	ND	2.19	110	2.00	10.3	
Toluene*	<0.050	0.050	05/20/2024	ND	2.10	105	2.00	6.72	
Ethylbenzene*	<0.050	0.050	05/20/2024	ND	2.12	106	2.00	3.38	
Total Xylenes*	<0.150	0.150	05/20/2024	ND	6.08	101	6.00	3.88	
Total BTEX	<0.300	0.300	05/20/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *92.7 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg **Analyzed By: CT**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**128**	16.0	05/20/2024	ND	416	104	400	3.77	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/18/2024	ND	179	89.6	200	0.846	
DRO >C10-C28*	**13.4**	10.0	05/18/2024	ND	169	84.6	200	3.97	
EXT DRO >C28-C36	<10.0	10.0	05/18/2024	ND					

Surrogate: 1-Chlorooctane *91.6 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *104 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	INTERA
Project Manager:	Emily Woolsey
Address:	2440 Louisiana Blvd NE, #700
City:	ABQ State: NM Zip: 87110
Phone #:	505-246-1600 Fax #:
Project #:	NMGSD.M0005.OCD Project Owner:
Project Name:	OCD Reed Estate
Project Location:	
Sampler Name:	

BILL TO

P.O. #:	NMGSD.M0005.OCD
Company:	INTERA
Attn:	Emily Woolsey
Address:	
City:	
State:	Zip:
Phone #:	
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING: DATE	TIME	Cl- SM4500	TPH CMRO/DRO/ORO) 8015	BTEX 8021
H242753																	
1	SB-18 (33-36)	C	1			X					X		5/17/24	1550	X	X	X
2	SB-18 (15-17.5)	C	1			X					X		5/17/24	1545	X	X	X

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 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 consequental 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.

Relinquished By:	Date: 5/17/24 Time: 1031	Received By:	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
Relinquished By:	Date: Time:	Received By:	All Results are emailed. Please provide Email address: REMARKS:

Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C Corrected Temp. 7.9 °C	Sample Condition Cool Intact ☐ Yes ☑ Yes ☐ No ☐ No	CHECKED BY: (Initials) AD	Turnaround Time: Standard ☐ Rush ☑ 24 Hr Thermometer ID #113 Correction Factor -0.5°C

Bacteria (only) Sample Condition Cool Intact ☐ Yes ☐ Yes ☐ No ☐ No Observed Temp. °C Corrected Temp. °C

FORM-006 R 3.2 10/07/21

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

CARDINAL Laboratories

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

May 21, 2024

EMILY WOOSLEY

INTERA, INC.

6000 UPTOWN BLVD, NE SUITE 220

ALBUQUERQUE, NM 87110

RE: OCD REED ESTATE

Enclosed are the results of analyses for samples received by the laboratory on 05/20/24 16:50.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

INTERA, INC.
EMILY WOOSLEY
6000 UPTOWN BLVD, NE SUITE 220
ALBUQUERQUE NM, 87110
Fax To: (505) 246-2600

Received:	05/20/2024	Sampling Date:	05/18/2024
Reported:	05/21/2024	Sampling Type:	Soil
Project Name:	OCD REED ESTATE	Sampling Condition:	Cool & Intact
Project Number:	NMGSD.M005.OCD.REED	Sample Received By:	Tamara Oldaker
Project Location:	OCD REED ESTATE		

Sample ID: SB - 14 (5-7) (H242771-01)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/21/2024	ND	1.97	98.6	2.00	1.58	
Toluene*	<0.050	0.050	05/21/2024	ND	1.95	97.3	2.00	2.26	
Ethylbenzene*	<0.050	0.050	05/21/2024	ND	1.98	99.0	2.00	2.25	
Total Xylenes*	<0.150	0.150	05/21/2024	ND	5.72	95.4	6.00	1.98	
Total BTEX	<0.300	0.300	05/21/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *91.0 %* *71.5-134*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**2560**	16.0	05/21/2024	ND	432	108	400	3.64	QM-07

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/21/2024	ND	218	109	200	2.36	
DRO >C10-C28*	<10.0	10.0	05/21/2024	ND	221	110	200	8.44	
EXT DRO >C28-C36	<10.0	10.0	05/21/2024	ND					

Surrogate: 1-Chlorooctane *97.8 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *95.1 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

INTERA, INC.
EMILY WOOSLEY
6000 UPTOWN BLVD, NE SUITE 220
ALBUQUERQUE NM, 87110
Fax To: (505) 246-2600

Received:	05/20/2024	Sampling Date:	05/18/2024
Reported:	05/21/2024	Sampling Type:	Soil
Project Name:	OCD REED ESTATE	Sampling Condition:	Cool & Intact
Project Number:	NMGSD.M005.OCD.REED	Sample Received By:	Tamara Oldaker
Project Location:	OCD REED ESTATE		

Sample ID: SB - 14 (34-35) (H242771-02)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/21/2024	ND	1.97	98.6	2.00	1.58	
Toluene*	<0.050	0.050	05/21/2024	ND	1.95	97.3	2.00	2.26	
Ethylbenzene*	<0.050	0.050	05/21/2024	ND	1.98	99.0	2.00	2.25	
Total Xylenes*	<0.150	0.150	05/21/2024	ND	5.72	95.4	6.00	1.98	
Total BTEX	<0.300	0.300	05/21/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *92.1 %* *71.5-134*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	05/21/2024	ND	432	108	400	3.64	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/21/2024	ND	218	109	200	2.36	
DRO >C10-C28*	<10.0	10.0	05/21/2024	ND	221	110	200	8.44	
EXT DRO >C28-C36	<10.0	10.0	05/21/2024	ND					

Surrogate: 1-Chlorooctane *97.9 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *96.2 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

INTERA, INC.
EMILY WOOSLEY
6000 UPTOWN BLVD, NE SUITE 220
ALBUQUERQUE NM, 87110
Fax To: (505) 246-2600

Received:	05/20/2024	Sampling Date:	05/19/2024
Reported:	05/21/2024	Sampling Type:	Soil
Project Name:	OCD REED ESTATE	Sampling Condition:	Cool & Intact
Project Number:	NMGSD.M005.OCD.REED	Sample Received By:	Tamara Oldaker
Project Location:	OCD REED ESTATE		

Sample ID: SB - 19 (12-14) (H242771-03)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/21/2024	ND	1.97	98.6	2.00	1.58	
Toluene*	<0.050	0.050	05/21/2024	ND	1.95	97.3	2.00	2.26	
Ethylbenzene*	<0.050	0.050	05/21/2024	ND	1.98	99.0	2.00	2.25	
Total Xylenes*	<0.150	0.150	05/21/2024	ND	5.72	95.4	6.00	1.98	
Total BTEX	<0.300	0.300	05/21/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *92.7 %* *71.5-134*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**11600**	16.0	05/21/2024	ND	432	108	400	3.64	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/21/2024	ND	218	109	200	2.36	
DRO >C10-C28*	**23.2**	10.0	05/21/2024	ND	221	110	200	8.44	
EXT DRO >C28-C36	<10.0	10.0	05/21/2024	ND					

Surrogate: 1-Chlorooctane *97.9 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *98.4 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

INTERA, INC.
EMILY WOOSLEY
6000 UPTOWN BLVD, NE SUITE 220
ALBUQUERQUE NM, 87110
Fax To: (505) 246-2600

Received:	05/20/2024	Sampling Date:	05/19/2024
Reported:	05/21/2024	Sampling Type:	Soil
Project Name:	OCD REED ESTATE	Sampling Condition:	Cool & Intact
Project Number:	NMGSD.M005.OCD.REED	Sample Received By:	Tamara Oldaker
Project Location:	OCD REED ESTATE		

Sample ID: SB - 19 (35-37) (H242771-04)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/21/2024	ND	1.97	98.6	2.00	1.58	
Toluene*	<0.050	0.050	05/21/2024	ND	1.95	97.3	2.00	2.26	
Ethylbenzene*	<0.050	0.050	05/21/2024	ND	1.98	99.0	2.00	2.25	
Total Xylenes*	<0.150	0.150	05/21/2024	ND	5.72	95.4	6.00	1.98	
Total BTEX	<0.300	0.300	05/21/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *92.3 %* *71.5-134*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	05/21/2024	ND	432	108	400	3.64	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/21/2024	ND	218	109	200	2.36	
DRO >C10-C28*	<10.0	10.0	05/21/2024	ND	221	110	200	8.44	
EXT DRO >C28-C36	<10.0	10.0	05/21/2024	ND					

Surrogate: 1-Chlorooctane *89.6 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *86.3 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

INTERA, INC.
EMILY WOOSLEY
6000 UPTOWN BLVD, NE SUITE 220
ALBUQUERQUE NM, 87110
Fax To: (505) 246-2600

Received:	05/20/2024	Sampling Date:	05/20/2024
Reported:	05/21/2024	Sampling Type:	Soil
Project Name:	OCD REED ESTATE	Sampling Condition:	Cool & Intact
Project Number:	NMGSD.M005.OCD.REED	Sample Received By:	Tamara Oldaker
Project Location:	OCD REED ESTATE		

Sample ID: SB - 15 (7.5-10) (H242771-05)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/21/2024	ND	1.97	98.6	2.00	1.58	
Toluene*	<0.050	0.050	05/21/2024	ND	1.95	97.3	2.00	2.26	
Ethylbenzene*	<0.050	0.050	05/21/2024	ND	1.98	99.0	2.00	2.25	
Total Xylenes*	<0.150	0.150	05/21/2024	ND	5.72	95.4	6.00	1.98	
Total BTEX	<0.300	0.300	05/21/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *91.8 %* *71.5-134*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1880**	16.0	05/21/2024	ND	432	108	400	3.64	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/21/2024	ND	218	109	200	2.36	
DRO >C10-C28*	<10.0	10.0	05/21/2024	ND	221	110	200	8.44	
EXT DRO >C28-C36	<10.0	10.0	05/21/2024	ND					

Surrogate: 1-Chlorooctane *102 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *102 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

INTERA, INC.
EMILY WOOSLEY
6000 UPTOWN BLVD, NE SUITE 220
ALBUQUERQUE NM, 87110
Fax To: (505) 246-2600

Received:	05/20/2024	Sampling Date:	05/20/2024
Reported:	05/21/2024	Sampling Type:	Soil
Project Name:	OCD REED ESTATE	Sampling Condition:	Cool & Intact
Project Number:	NMGSD.M005.OCD.REED	Sample Received By:	Tamara Oldaker
Project Location:	OCD REED ESTATE		

Sample ID: SB - 15 (30.5-33) (H242771-06)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/21/2024	ND	1.97	98.6	2.00	1.58	
Toluene*	<0.050	0.050	05/21/2024	ND	1.95	97.3	2.00	2.26	
Ethylbenzene*	<0.050	0.050	05/21/2024	ND	1.98	99.0	2.00	2.25	
Total Xylenes*	<0.150	0.150	05/21/2024	ND	5.72	95.4	6.00	1.98	
Total BTEX	<0.300	0.300	05/21/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *92.0 %* *71.5-134*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	05/21/2024	ND	432	108	400	3.64	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/21/2024	ND	218	109	200	2.36	
DRO >C10-C28*	**29.5**	10.0	05/21/2024	ND	221	110	200	8.44	
EXT DRO >C28-C36	<10.0	10.0	05/21/2024	ND					

Surrogate: 1-Chlorooctane *98.6 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *98.4 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

INTERA, INC.
EMILY WOOSLEY
6000 UPTOWN BLVD, NE SUITE 220
ALBUQUERQUE NM, 87110
Fax To: (505) 246-2600

Received:	05/20/2024	Sampling Date:	05/20/2024
Reported:	05/21/2024	Sampling Type:	Soil
Project Name:	OCD REED ESTATE	Sampling Condition:	Cool & Intact
Project Number:	NMGSD.M005.OCD.REED	Sample Received By:	Tamara Oldaker
Project Location:	OCD REED ESTATE		

Sample ID: SB - 16 (20.5-23) (H242771-07)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/21/2024	ND	1.97	98.6	2.00	1.58	
Toluene*	<0.050	0.050	05/21/2024	ND	1.95	97.3	2.00	2.26	
Ethylbenzene*	<0.050	0.050	05/21/2024	ND	1.98	99.0	2.00	2.25	
Total Xylenes*	<0.150	0.150	05/21/2024	ND	5.72	95.4	6.00	1.98	
Total BTEX	<0.300	0.300	05/21/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *91.0 %* *71.5-134*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	05/21/2024	ND	432	108	400	3.64	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/21/2024	ND	218	109	200	2.36	
DRO >C10-C28*	<10.0	10.0	05/21/2024	ND	221	110	200	8.44	
EXT DRO >C28-C36	<10.0	10.0	05/21/2024	ND					

Surrogate: 1-Chlorooctane *96.9 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *96.4 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

INTERA, INC.
EMILY WOOSLEY
6000 UPTOWN BLVD, NE SUITE 220
ALBUQUERQUE NM, 87110
Fax To: (505) 246-2600

Received:	05/20/2024	Sampling Date:	05/20/2024
Reported:	05/21/2024	Sampling Type:	Soil
Project Name:	OCD REED ESTATE	Sampling Condition:	Cool & Intact
Project Number:	NMGSD.M005.OCD.REED	Sample Received By:	Tamara Oldaker
Project Location:	OCD REED ESTATE		

Sample ID: SB - 16 (34-36) (H242771-08)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/21/2024	ND	1.97	98.6	2.00	1.58	
Toluene*	<0.050	0.050	05/21/2024	ND	1.95	97.3	2.00	2.26	
Ethylbenzene*	<0.050	0.050	05/21/2024	ND	1.98	99.0	2.00	2.25	
Total Xylenes*	<0.150	0.150	05/21/2024	ND	5.72	95.4	6.00	1.98	
Total BTEX	<0.300	0.300	05/21/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *91.5 %* *71.5-134*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	05/21/2024	ND	432	108	400	3.64	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/21/2024	ND	218	109	200	2.36	
DRO >C10-C28*	<10.0	10.0	05/21/2024	ND	221	110	200	8.44	
EXT DRO >C28-C36	<10.0	10.0	05/21/2024	ND					

Surrogate: 1-Chlorooctane *86.3 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *85.1 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Notes and Definitions

S-05	The surrogate recovery is outside of lab established statistical control limits but still within method limits. Data is not adversely affected.
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

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	INTERA Inc	**BILL TO** P.O. #:	
Project Manager:	Emily Woolsey	Company:	
Address:	2440 Louisiana Blvd NE STE 700	Attn:	Emily Woolsey
City:	Albuquerque State: NM Zip: 87110	Address:	
Phone #:	5052461600 Fax #:	City:	
Project #:	NMGSD.M005.OCD Project Owner:	State: Zip:	
Project Name:	OCD Reed Estate	Phone #:	
Project Location:	OCD	Fax #:	
Sampler Name:	Brian S. / Pedro G.		

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	ANALYSIS REQUEST: Cl- SM4500	TPH: 8015 (GRO/MRO/DRO)	BTEX
H242771											✓						
1	SB-14 (5-7)		1			X							5/18/24	1400	X	X	X
2	SB-14 (34-35)		1			X							5/18/24	1920	X	X	X
3	SB-19 (12-14)		1			X							5/19/24	1045	X	X	X
4	SB-19 (35-37)		1			X							5/19/24	1050	X	X	X
5	SB-15 (7.5-10)		1			X							5/20/24	1538	X	X	X
6	SB-15 (30.5-33)		1			X							5/20/24	1548	X	X	X
7	SB-16 (20.5-23)		1			X							5/20/24	1555	X	X	X
8	SB-16 (34-36)		1			X							5/20/24	1558	X	X	X

Relinquished By:	Date: 5-20-24 Time: 1650	Received By:	Verbal Result: ☑ Yes ☐ No Add'l Phone #: All Results are emailed. Please provide Email address:
Relinquished By:	Date: Time:	Received By:	REMARKS:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C 1.5 Corrected Temp. °C	Sample Condition Cool Intact ☑ Yes ☑ Yes ☐ No ☐ No	CHECKED BY: (Initials)

Turnaround Time: Standard ☐ Rush ☑ 24hr
Thermometer ID #113 #140
Correction Factor ~~0.5°C~~
Sample Condition Cool Intact ☐ Yes ☐ Yes ☐ No ☐ No
Observed Temp. °C
Corrected Temp. °C

FORM-006 R 3.2 10/07/21

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

CARDINAL Laboratories

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

May 22, 2024

EMILY WOOSLEY

INTERA, INC.

6000 UPTOWN BLVD, NE SUITE 220

ALBUQUERQUE, NM 87110

RE: OCD REED ESTATE

Enclosed are the results of analyses for samples received by the laboratory on 05/21/24 16:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

INTERA, INC.
EMILY WOOSLEY
6000 UPTOWN BLVD, NE SUITE 220
ALBUQUERQUE NM, 87110
Fax To: (505) 246-2600

Received:	05/21/2024	Sampling Date:	05/20/2024
Reported:	05/22/2024	Sampling Type:	Soil
Project Name:	OCD REED ESTATE	Sampling Condition:	Cool & Intact
Project Number:	NMGSD.M005.OCD.REED	Sample Received By:	Alyssa Parras
Project Location:	OCD REED ESTATE		

Sample ID: SB - 23 (11 - 13) (H242817-01)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/22/2024	ND	1.72	86.1	2.00	1.06	
Toluene*	<0.050	0.050	05/22/2024	ND	1.77	88.3	2.00	1.25	
Ethylbenzene*	<0.050	0.050	05/22/2024	ND	1.80	89.9	2.00	1.03	
Total Xylenes*	<0.150	0.150	05/22/2024	ND	5.43	90.4	6.00	2.16	
Total BTEX	<0.300	0.300	05/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *112 %* *71.5-134*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**528**	16.0	05/22/2024	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/22/2024	ND	207	104	200	0.0391	
DRO >C10-C28*	<10.0	10.0	05/22/2024	ND	208	104	200	1.10	
EXT DRO >C28-C36	<10.0	10.0	05/22/2024	ND					

Surrogate: 1-Chlorooctane *89.0 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *89.9 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

INTERA, INC.
EMILY WOOSLEY
6000 UPTOWN BLVD, NE SUITE 220
ALBUQUERQUE NM, 87110
Fax To: (505) 246-2600

Received:	05/21/2024	Sampling Date:	05/21/2024
Reported:	05/22/2024	Sampling Type:	Soil
Project Name:	OCD REED ESTATE	Sampling Condition:	Cool & Intact
Project Number:	NMGSD.M005.OCD.REED	Sample Received By:	Alyssa Parras
Project Location:	OCD REED ESTATE		

Sample ID: SB - 23 (32.5 - 35) (H242817-02)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/22/2024	ND	1.72	86.1	2.00	1.06	
Toluene*	<0.050	0.050	05/22/2024	ND	1.77	88.3	2.00	1.25	
Ethylbenzene*	<0.050	0.050	05/22/2024	ND	1.80	89.9	2.00	1.03	
Total Xylenes*	<0.150	0.150	05/22/2024	ND	5.43	90.4	6.00	2.16	
Total BTEX	<0.300	0.300	05/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *109 %* *71.5-134*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	05/22/2024	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/22/2024	ND	207	104	200	0.0391	
DRO >C10-C28*	**12.6**	10.0	05/22/2024	ND	208	104	200	1.10	
EXT DRO >C28-C36	<10.0	10.0	05/22/2024	ND					

Surrogate: 1-Chlorooctane *108 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *111 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

INTERA, INC.
EMILY WOOSLEY
6000 UPTOWN BLVD, NE SUITE 220
ALBUQUERQUE NM, 87110
Fax To: (505) 246-2600

Received:	05/21/2024	Sampling Date:	05/21/2024
Reported:	05/22/2024	Sampling Type:	Soil
Project Name:	OCD REED ESTATE	Sampling Condition:	Cool & Intact
Project Number:	NMGSD.M005.OCD.REED	Sample Received By:	Alyssa Parras
Project Location:	OCD REED ESTATE		

Sample ID: SB - 123 (32.5 - 35) (H242817-03)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/22/2024	ND	1.72	86.1	2.00	1.06	
Toluene*	<0.050	0.050	05/22/2024	ND	1.77	88.3	2.00	1.25	
Ethylbenzene*	<0.050	0.050	05/22/2024	ND	1.80	89.9	2.00	1.03	
Total Xylenes*	<0.150	0.150	05/22/2024	ND	5.43	90.4	6.00	2.16	
Total BTEX	<0.300	0.300	05/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *108 %* *71.5-134*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	05/22/2024	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/22/2024	ND	207	104	200	0.0391	
DRO >C10-C28*	<10.0	10.0	05/22/2024	ND	208	104	200	1.10	
EXT DRO >C28-C36	<10.0	10.0	05/22/2024	ND					

Surrogate: 1-Chlorooctane *98.5 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *101 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	INTERA Inc
Project Manager:	Emily Woolsey
Address:	2440 Louisiana Blvd NE SUITE 700
City:	Albuquerque State: NM Zip: 87110
Phone #:	505-246-1600 Fax #:
Project #:	NMGSD.M005.OCD Project Owner:
Project Name:	OCD Reed Estate
Project Location:	OCD
Sampler Name:	Brian A.

BILL TO

P.O. #:	
Company:	
Attn:	Emily Woolsey
Address:	
City:	
State:	Zip:
Phone #:	
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE:	ICE / COOL ✓	OTHER:	SAMPLING: DATE	TIME	Cl- SM4500	TPH: 8015 (GRO/MRO/BRO)	BTex
thurson																	
1	SB-23 (11-13)		1			X					X		5/20/24	1530	X	X	X
2	SB-23 (32.5-35)		1			X					X		5/21/24	1130	X	X	X
3	SB-123 (32.5-35)		1			X					X		5/21/24	1130	X	X	X

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 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 consequental 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.

Relinquished By:	Date: 5-21-24	Received By:	
	Time: 1640		
Relinquished By:	Date:	Received By:	
	Time:		

Verbal Result: ☐ Yes ☐ No Add'l Phone #:

All Results are emailed. Please provide Email address:

EWoolsey@intera.com, jgalemore@intera.com, ahafner@intera.com, PGutierrez@intera.com

REMARKS:

Delivered By: (Circle One)	Observed Temp. °C 3.7	Sample Condition: Cool ☑ Yes ☐ No; Intact ☐ Yes ☐ No	CHECKED BY: (Initials)
Sampler - UPS - Bus - Other:	Corrected Temp. °C		

Turnaround Time: Standard ☐ Rush ☒ 24 hrs

Thermometer ID #140
Correction Factor 0°C

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No; Intact ☐ Yes ☐ No; Observed Temp. °C; Corrected Temp. °C

FORM-006 R 3.4 07/11/23

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

CARDINAL Laboratories

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

May 23, 2024

EMILY WOOSLEY

INTERA, INC.

6000 UPTOWN BLVD, NE SUITE 220

ALBUQUERQUE, NM 87110

RE: OCD REED ESTATE

Enclosed are the results of analyses for samples received by the laboratory on 05/22/24 16:54.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

INTERA, INC.
EMILY WOOSLEY
6000 UPTOWN BLVD, NE SUITE 220
ALBUQUERQUE NM, 87110
Fax To: (505) 246-2600

Received:	05/22/2024	Sampling Date:	05/21/2024
Reported:	05/23/2024	Sampling Type:	Soil
Project Name:	OCD REED ESTATE	Sampling Condition:	** (See Notes)
Project Number:	NMGSD.M005.OCD.REED	Sample Received By:	Tamara Oldaker
Project Location:	OCD REED ESTATE		

Sample ID: SB - 17 (21.5-24) (H242854-01)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/23/2024	ND	2.03	102	2.00	3.71	
Toluene*	<0.050	0.050	05/23/2024	ND	2.12	106	2.00	4.06	
Ethylbenzene*	<0.050	0.050	05/23/2024	ND	2.07	103	2.00	4.49	
Total Xylenes*	<0.150	0.150	05/23/2024	ND	6.44	107	6.00	3.77	
Total BTEX	<0.300	0.300	05/23/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *108 %* *71.5-134*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**480**	16.0	05/23/2024	ND	448	112	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/23/2024	ND	180	89.8	200	7.66	
DRO >C10-C28*	**311**	10.0	05/23/2024	ND	175	87.5	200	4.66	
EXT DRO >C28-C36	**212**	10.0	05/23/2024	ND					

Surrogate: 1-Chlorooctane *83.9 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *91.7 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

INTERA, INC.
EMILY WOOSLEY
6000 UPTOWN BLVD, NE SUITE 220
ALBUQUERQUE NM, 87110
Fax To: (505) 246-2600

Received:	05/22/2024	Sampling Date:	05/22/2024
Reported:	05/23/2024	Sampling Type:	Soil
Project Name:	OCD REED ESTATE	Sampling Condition:	** (See Notes)
Project Number:	NMGSD.M005.OCD.REED	Sample Received By:	Tamara Oldaker
Project Location:	OCD REED ESTATE		

Sample ID: SB - 17 (41-44) (H242854-02)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/23/2024	ND	2.03	102	2.00	3.71	
Toluene*	<0.050	0.050	05/23/2024	ND	2.12	106	2.00	4.06	
Ethylbenzene*	<0.050	0.050	05/23/2024	ND	2.07	103	2.00	4.49	
Total Xylenes*	<0.150	0.150	05/23/2024	ND	6.44	107	6.00	3.77	
Total BTEX	<0.300	0.300	05/23/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *107 %* *71.5-134*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	05/23/2024	ND	448	112	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/23/2024	ND	180	89.8	200	7.66	
DRO >C10-C28*	**38.7**	10.0	05/23/2024	ND	175	87.5	200	4.66	
EXT DRO >C28-C36	**33.7**	10.0	05/23/2024	ND					

Surrogate: 1-Chlorooctane *82.8 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *82.1 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

INTERA, INC.
EMILY WOOSLEY
6000 UPTOWN BLVD, NE SUITE 220
ALBUQUERQUE NM, 87110
Fax To: (505) 246-2600

Received:	05/22/2024	Sampling Date:	05/22/2024
Reported:	05/23/2024	Sampling Type:	Soil
Project Name:	OCD REED ESTATE	Sampling Condition:	** (See Notes)
Project Number:	NMGSD.M005.OCD.REED	Sample Received By:	Tamara Oldaker
Project Location:	OCD REED ESTATE		

Sample ID: SB - 10 (23-25) (H242854-03)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/23/2024	ND	2.03	102	2.00	3.71	
Toluene*	<0.050	0.050	05/23/2024	ND	2.12	106	2.00	4.06	
Ethylbenzene*	<0.050	0.050	05/23/2024	ND	2.07	103	2.00	4.49	
Total Xylenes*	<0.150	0.150	05/23/2024	ND	6.44	107	6.00	3.77	
Total BTEX	<0.300	0.300	05/23/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *107 %* *71.5-134*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	05/23/2024	ND	448	112	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/23/2024	ND	180	89.8	200	7.66	
DRO >C10-C28*	**16.8**	10.0	05/23/2024	ND	175	87.5	200	4.66	
EXT DRO >C28-C36	<10.0	10.0	05/23/2024	ND					

Surrogate: 1-Chlorooctane *87.4 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *89.4 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

INTERA, INC.
EMILY WOOSLEY
6000 UPTOWN BLVD, NE SUITE 220
ALBUQUERQUE NM, 87110
Fax To: (505) 246-2600

Received:	05/22/2024	Sampling Date:	05/22/2024
Reported:	05/23/2024	Sampling Type:	Soil
Project Name:	OCD REED ESTATE	Sampling Condition:	** (See Notes)
Project Number:	NMGSD.M005.OCD.REED	Sample Received By:	Tamara Oldaker
Project Location:	OCD REED ESTATE		

Sample ID: SB - 10 (9.5-12) (H242854-04)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/23/2024	ND	2.03	102	2.00	3.71	
Toluene*	<0.050	0.050	05/23/2024	ND	2.12	106	2.00	4.06	
Ethylbenzene*	<0.050	0.050	05/23/2024	ND	2.07	103	2.00	4.49	
Total Xylenes*	<0.150	0.150	05/23/2024	ND	6.44	107	6.00	3.77	
Total BTEX	<0.300	0.300	05/23/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *108 %* *71.5-134*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**4560**	16.0	05/23/2024	ND	448	112	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/23/2024	ND	180	89.8	200	7.66	
DRO >C10-C28*	<10.0	10.0	05/23/2024	ND	175	87.5	200	4.66	
EXT DRO >C28-C36	<10.0	10.0	05/23/2024	ND					

Surrogate: 1-Chlorooctane *79.0 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *80.2 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

		BILL TO	
Company Name:	INTERA Inc	P.O. #:	INTERA
Project Manager:	Emily Woolsey / Joe Galamore	Company:	
Address:	2440 Louisiana Blvd NE STE 700	Attn:	
City:	Albuquerque State: NM Zip: 87110	Address:	
Phone #:	505 246 1600 Fax #:	City:	
Project #:	NMGSD.M005.OCD Project Owner:	State: Zip:	
Project Name:	OCD Reed Estate	Phone #:	
Project Location:	" "	Fax #:	
Sampler Name:	Brian Archuleta		

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING DATE	TIME	ANALYSIS REQUEST: Cl⁻: SM4500	TPH: 8015	BTEX: 8021
H242854											✓						
1	SB-17 (21.5-24)	C	1			X							05/21/24	1245	X	X	X
2	SB-17 (41-44)	C	1			X							05/22/24	0835	X	X	X
3	SB-10 (23-25)	C	1			X							05/22/24	1500	X	X	X
4	SB-10 (9.5-12)	C	1			X							05/22/24	1020	X	X	X

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 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 consequental 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.

Relinquished By:	Date: 5-22-24	Received By:	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
	Time: 1654		All Results are emailed. Please provide Email address: JGalamore@INTERA.com
Relinquished By:	Date:	Received By:	REMARKS:
	Time:		

Delivered By: (Circle One)	Observed Temp. °C 9.4	Sample Condition Cool: ☐ Yes ☑ No Intact: ☑ Yes ☐ No	CHECKED BY: (Initials)	Turnaround Time: Standard ☐ Rush ☑ 24 hr
Sampler - UPS - Bus - Other:	Corrected Temp. °C			Thermometer ID #140 Correction Factor 0°C

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No Observed Temp. °C Corrected Temp. °C

FORM-006 R 3.4 07/11/23

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

CARDINAL Laboratories

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

May 30, 2024

EMILY WOOSLEY

INTERA, INC.

6000 UPTOWN BLVD, NE SUITE 220

ALBUQUERQUE, NM 87110

RE: OCD REED ESTATE

Enclosed are the results of analyses for samples received by the laboratory on 05/23/24 16:56.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

INTERA, INC.
EMILY WOOSLEY
6000 UPTOWN BLVD, NE SUITE 220
ALBUQUERQUE NM, 87110
Fax To: (505) 246-2600

Received:	05/23/2024	Sampling Date:	05/22/2024
Reported:	05/30/2024	Sampling Type:	Soil
Project Name:	OCD REED ESTATE	Sampling Condition:	Cool & Intact
Project Number:	NMGSD.M005.OCD.REED	Sample Received By:	Alyssa Parras
Project Location:	OCD REED ESTATE		

Sample ID: SB - 04 (2-4.5) (H242897-01)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/25/2024	ND	1.90	94.8	2.00	11.8	
Toluene*	<0.050	0.050	05/25/2024	ND	1.94	97.2	2.00	11.2	
Ethylbenzene*	<0.050	0.050	05/25/2024	ND	1.93	96.5	2.00	10.9	
Total Xylenes*	<0.150	0.150	05/25/2024	ND	6.06	101	6.00	10.4	
Total BTEX	<0.300	0.300	05/25/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *102 %* *71.5-134*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**304**	16.0	05/30/2024	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/24/2024	ND	219	109	200	0.853	
DRO >C10-C28*	<10.0	10.0	05/24/2024	ND	220	110	200	3.08	
EXT DRO >C28-C36	<10.0	10.0	05/24/2024	ND					

Surrogate: 1-Chlorooctane *117 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *110 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

INTERA, INC.
EMILY WOOSLEY
6000 UPTOWN BLVD, NE SUITE 220
ALBUQUERQUE NM, 87110
Fax To: (505) 246-2600

Received:	05/23/2024	Sampling Date:	05/23/2024
Reported:	05/30/2024	Sampling Type:	Soil
Project Name:	OCD REED ESTATE	Sampling Condition:	Cool & Intact
Project Number:	NMGSD.M005.OCD.REED	Sample Received By:	Alyssa Parras
Project Location:	OCD REED ESTATE		

Sample ID: SB - 04 (21-24) (H242897-02)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/25/2024	ND	1.90	94.8	2.00	11.8	
Toluene*	<0.050	0.050	05/25/2024	ND	1.94	97.2	2.00	11.2	
Ethylbenzene*	<0.050	0.050	05/25/2024	ND	1.93	96.5	2.00	10.9	
Total Xylenes*	<0.150	0.150	05/25/2024	ND	6.06	101	6.00	10.4	
Total BTEX	<0.300	0.300	05/25/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.1 %* *71.5-134*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	05/30/2024	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/24/2024	ND	219	109	200	0.853	
DRO >C10-C28*	<10.0	10.0	05/24/2024	ND	220	110	200	3.08	
EXT DRO >C28-C36	<10.0	10.0	05/24/2024	ND					

Surrogate: 1-Chlorooctane *100 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *87.8 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

INTERA, INC.
EMILY WOOSLEY
6000 UPTOWN BLVD, NE SUITE 220
ALBUQUERQUE NM, 87110
Fax To: (505) 246-2600

Received:	05/23/2024	Sampling Date:	05/23/2024
Reported:	05/30/2024	Sampling Type:	Soil
Project Name:	OCD REED ESTATE	Sampling Condition:	Cool & Intact
Project Number:	NMGSD.M005.OCD.REED	Sample Received By:	Alyssa Parras
Project Location:	OCD REED ESTATE		

Sample ID: SB - 08 (11-13) (H242897-03)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/25/2024	ND	1.90	94.8	2.00	11.8	
Toluene*	<0.050	0.050	05/25/2024	ND	1.94	97.2	2.00	11.2	
Ethylbenzene*	<0.050	0.050	05/25/2024	ND	1.93	96.5	2.00	10.9	
Total Xylenes*	<0.150	0.150	05/25/2024	ND	6.06	101	6.00	10.4	
Total BTEX	<0.300	0.300	05/25/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.9 %* *71.5-134*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	05/30/2024	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/24/2024	ND	219	109	200	0.853	
DRO >C10-C28*	<10.0	10.0	05/24/2024	ND	220	110	200	3.08	
EXT DRO >C28-C36	<10.0	10.0	05/24/2024	ND					

Surrogate: 1-Chlorooctane *111 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *102 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

INTERA, INC.
EMILY WOOSLEY
6000 UPTOWN BLVD, NE SUITE 220
ALBUQUERQUE NM, 87110
Fax To: (505) 246-2600

Received:	05/23/2024	Sampling Date:	05/23/2024
Reported:	05/30/2024	Sampling Type:	Soil
Project Name:	OCD REED ESTATE	Sampling Condition:	Cool & Intact
Project Number:	NMGSD.M005.OCD.REED	Sample Received By:	Alyssa Parras
Project Location:	OCD REED ESTATE		

Sample ID: SB - 08 (18-20) (H242897-04)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/25/2024	ND	1.90	94.8	2.00	11.8	
Toluene*	<0.050	0.050	05/25/2024	ND	1.94	97.2	2.00	11.2	
Ethylbenzene*	<0.050	0.050	05/25/2024	ND	1.93	96.5	2.00	10.9	
Total Xylenes*	<0.150	0.150	05/25/2024	ND	6.06	101	6.00	10.4	
Total BTEX	<0.300	0.300	05/25/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *71.5-134*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	05/30/2024	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/24/2024	ND	219	109	200	0.853	
DRO >C10-C28*	<10.0	10.0	05/24/2024	ND	220	110	200	3.08	
EXT DRO >C28-C36	<10.0	10.0	05/24/2024	ND					

Surrogate: 1-Chlorooctane *126 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *116 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

INTERA, INC.
EMILY WOOSLEY
6000 UPTOWN BLVD, NE SUITE 220
ALBUQUERQUE NM, 87110
Fax To: (505) 246-2600

Received:	05/23/2024	Sampling Date:	05/23/2024
Reported:	05/30/2024	Sampling Type:	Soil
Project Name:	OCD REED ESTATE	Sampling Condition:	Cool & Intact
Project Number:	NMGSD.M005.OCD.REED	Sample Received By:	Alyssa Parras
Project Location:	OCD REED ESTATE		

Sample ID: SB - 06 (10-12.5) (H242897-05)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/25/2024	ND	1.90	94.8	2.00	11.8	
Toluene*	<0.050	0.050	05/25/2024	ND	1.94	97.2	2.00	11.2	
Ethylbenzene*	<0.050	0.050	05/25/2024	ND	1.93	96.5	2.00	10.9	
Total Xylenes*	<0.150	0.150	05/25/2024	ND	6.06	101	6.00	10.4	
Total BTEX	<0.300	0.300	05/25/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.4 %* *71.5-134*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**560**	16.0	05/30/2024	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/24/2024	ND	219	109	200	0.853	
DRO >C10-C28*	**24.7**	10.0	05/24/2024	ND	220	110	200	3.08	
EXT DRO >C28-C36	<10.0	10.0	05/24/2024	ND					

Surrogate: 1-Chlorooctane *112 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *99.7 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

INTERA, INC.
EMILY WOOSLEY
6000 UPTOWN BLVD, NE SUITE 220
ALBUQUERQUE NM, 87110
Fax To: (505) 246-2600

Received:	05/23/2024	Sampling Date:	05/23/2024
Reported:	05/30/2024	Sampling Type:	Soil
Project Name:	OCD REED ESTATE	Sampling Condition:	Cool & Intact
Project Number:	NMGSD.M005.OCD.REED	Sample Received By:	Alyssa Parras
Project Location:	OCD REED ESTATE		

Sample ID: SB - 06 (15-17) (H242897-06)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/25/2024	ND	1.90	94.8	2.00	11.8	
Toluene*	<0.050	0.050	05/25/2024	ND	1.94	97.2	2.00	11.2	
Ethylbenzene*	<0.050	0.050	05/25/2024	ND	1.93	96.5	2.00	10.9	
Total Xylenes*	<0.150	0.150	05/25/2024	ND	6.06	101	6.00	10.4	
Total BTEX	<0.300	0.300	05/25/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *102 %* *71.5-134*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**144**	16.0	05/30/2024	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/24/2024	ND	219	109	200	0.853	
DRO >C10-C28*	<10.0	10.0	05/24/2024	ND	220	110	200	3.08	
EXT DRO >C28-C36	<10.0	10.0	05/24/2024	ND					

Surrogate: 1-Chlorooctane *119 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *108 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

INTERA, INC.
EMILY WOOSLEY
6000 UPTOWN BLVD, NE SUITE 220
ALBUQUERQUE NM, 87110
Fax To: (505) 246-2600

Received:	05/23/2024	Sampling Date:	05/23/2024
Reported:	05/30/2024	Sampling Type:	Soil
Project Name:	OCD REED ESTATE	Sampling Condition:	Cool & Intact
Project Number:	NMGSD.M005.OCD.REED	Sample Received By:	Alyssa Parras
Project Location:	OCD REED ESTATE		

Sample ID: SB - 26 (4-6) (H242897-07)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/25/2024	ND	1.90	94.8	2.00	11.8	
Toluene*	<0.050	0.050	05/25/2024	ND	1.94	97.2	2.00	11.2	
Ethylbenzene*	<0.050	0.050	05/25/2024	ND	1.93	96.5	2.00	10.9	
Total Xylenes*	<0.150	0.150	05/25/2024	ND	6.06	101	6.00	10.4	
Total BTEX	<0.300	0.300	05/25/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *101 %* *71.5-134*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	05/30/2024	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/24/2024	ND	219	109	200	0.853	
DRO >C10-C28*	<10.0	10.0	05/24/2024	ND	220	110	200	3.08	
EXT DRO >C28-C36	<10.0	10.0	05/24/2024	ND					

Surrogate: 1-Chlorooctane *114 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *101 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

INTERA, INC.
EMILY WOOSLEY
6000 UPTOWN BLVD, NE SUITE 220
ALBUQUERQUE NM, 87110
Fax To: (505) 246-2600

Received:	05/23/2024	Sampling Date:	05/23/2024
Reported:	05/30/2024	Sampling Type:	Soil
Project Name:	OCD REED ESTATE	Sampling Condition:	Cool & Intact
Project Number:	NMGSD.M005.OCD.REED	Sample Received By:	Alyssa Parras
Project Location:	OCD REED ESTATE		

Sample ID: SB - 26 (12-14.5) (H242897-08)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/25/2024	ND	1.90	94.8	2.00	11.8	
Toluene*	<0.050	0.050	05/25/2024	ND	1.94	97.2	2.00	11.2	
Ethylbenzene*	<0.050	0.050	05/25/2024	ND	1.93	96.5	2.00	10.9	
Total Xylenes*	<0.150	0.150	05/25/2024	ND	6.06	101	6.00	10.4	
Total BTEX	<0.300	0.300	05/25/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *102 %* *71.5-134*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	05/30/2024	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/24/2024	ND	219	109	200	0.853	
DRO >C10-C28*	<10.0	10.0	05/24/2024	ND	220	110	200	3.08	
EXT DRO >C28-C36	<10.0	10.0	05/24/2024	ND					

Surrogate: 1-Chlorooctane *115 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *102 %* *49.1-148*

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CARDINAL Laboratories

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Notes and Definitions

BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
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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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	INTERA INC
Project Manager:	Emily Woolsey/Joe Galamore
Address:	2440 Louisiana Blvd NE STE 700
City:	Albuquerque State: NM Zip: 87110
Phone #:	505 246 1600 Fax #:
Project #:	NMG50.M005.OCD Project Owner:
Project Name:	OCD Reed Estate
Project Location:	" "
Sampler Name:	Pedro Gutierrez/Brian

BILL TO

P.O. #:	INTERA
Company:	
Attn:	
Address:	
City:	
State:	Zip:
Phone #:	
Fax #:	

FOR LAB USE ONLY

ANALYSIS REQUEST

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	Cl⁻: SM4500	TPH: 8015	BTEX: 8021
H242897																	
1	SB-04 (2-4.5)	C				X					✓		05/22/24	1605	X	X	X
2	SB-04 (21-24)	C				X							5/23/24	0630	X	X	X
3	SB-08 (11-13)	C				X							5/23/24	0845	X	X	X
4	SB-08 (18-20)	C				X							5/23/24	0850	X	X	X
5	SB-06 (10-12.5)	C				X							5/23/24	1225	X	X	X
6	SB-06 (15-17)	C				X							5/23/24	1225	X	X	X
7	SB-26 (4-6)	C				X							5/23/24	1340	X	X	X
8	SB-26 (12-14.5)	C				X							5/23/24	1445	X	X	X

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 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 consequental 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.

Relinquished By: [signature] Date: 5/23/24 Time: 1050 Received By: [signature]

Relinquished By: Date: Time: Received By:

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

Observed Temp. °C 4.1c Corrected Temp. °C

Sample Condition Cool Intact ☑ Yes ☑ Yes ☐ No ☐ No

CHECKED BY: (Initials) [initials]

Verbal Result: ☐ Yes ☐ No Add'l Phone #:

All Results are emailed. Please provide Email address: Jgalamore@INTERA.com

REMARKS:

Turnaround Time: Standard ☑ Rush ☐

Thermometer ID #113 Correction Factor -0.5°C #140

Bacteria (only) Sample Condition Cool Intact ☐ Yes ☐ Yes ☐ No ☐ No Observed Temp. °C Corrected Temp. °C

FORM-006 R 3.2 10/07/21

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

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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 354891

CONDITIONS

Operator: HAL J RASMUSSEN OPER INC PO Box 10851 Midland, TX 79702	OGRID: 9809
	Action Number: 354891
	Action Type: [IM-SD] Incident File Support Doc (ENV) (IM-BNF)

CONDITIONS

Created By	Condition	Condition Date
bhall	Accepted as additional delineation information for the completion of the remediation plan (dig and haul).	6/17/2024