

Released Volume Calculation

Length	100 feet
Width	95 feet
Thickness	0.5 in

4,750 gal = 113 Est. Total Bbls Released

Volume = L*W*T

Total Released Volume = 4,750 gallons (US, dry)
113 Bbls



Revised Site Characterization Report and Remediation Workplan

May 18, 2026

**South Vacuum #274 SWD
(SW-392-00)
API # 30-025-37122
Produced Water Release
Incident # nAPP2528757355
Lea County, New Mexico**

Prepared For:

Clearwater SWD, LLC
P.O. Box 1476
Lovington, New Mexico 88260

Prepared By:

Crain Environmental
2925 East 17th Street
Odessa, Texas 79761

A handwritten signature in blue ink that reads 'Cynthia K. Crain'. The signature is written in a cursive style with a horizontal line underneath the name.

Cynthia K. Crain, P.G.



Table of Contents

1.0 INTRODUCTION..... 1
2.0 BACKGROUND..... 1
3.0 NMOCD CLOSURE CRITERIA 2
3.1 Groundwater Evaluation 2
3.2 Surface Features and Other Development 3
3.3 Wetlands, Floodplain, and Karst Geology 4
3.4 Closure Criteria Currently Assumed Applicable to the Site 4
4.0 SITE ASSESSMENT/CHARACTERIZATION RESULTS 5
4.1 Site Map 5
4.2 Depth to Groundwater..... 5
4.3 Wellhead Protection Area 5
4.4 Distance to Nearest Significant Watercourse 5
4.5 Summary of Delineation/Remediation Activities 5
4.6 Laboratory Analytical Data Quality Assurance/Quality Control Results 6
5.0 PROPOSED REMEDIATION ACTIVITIES..... 7
6.0 SCHEDULE OF IMPLEMENTATION 7
7.0 DISTRIBUTION..... 8

TABLE

Table 1: Summary of Soil Sample Analytical Results

FIGURES

- Figure 1 - Site Location Map
Figure 2 - Soil Sample Analytical Results Map
Figure 3 - Wellhead Protection Area Map
Figure 4 - National Wetlands Inventory Map
Figure 5 - FEMA Floodplain Map
Figure 6 - Karst Potential Map

APPENDICES

- Appendix A – OCD Communication
Appendix B - NMOSE Water Well Records
Appendix C – NMSLO Cultural Resources Cover Sheet
Appendix D – Biological Desktop Review
Appendix E – Laboratory Reports and Chain-of-Custody Documentation
Appendix F – Photographic Documentation



1.0 Introduction

Crain Environmental (CE), on behalf of Clearwater SWD, LLC (Clearwater), has prepared this Site Characterization Report and Remediation Workplan with Deferral Request for the produced water release at South Vacuum #274 SWD (Site), located approximately 16 miles west of Hobbs, in Lea County, New Mexico in Unit Letter P (SE/SE), Section 27, Township 18 South, Range 35 East. The global positioning system (GPS) coordinates for the Release Site are 32.713942, -103.438893. The property surface rights are owned by the State of New Mexico. The location of the Site is depicted on Figure 1.

2.0 Background

Clearwater has applied to the New Mexico State Land Office (NMSLO) for a Salt Water Easement (Easement) at the Site. As a result of an Easement application, NMSLO has notified Clearwater that a "NMSLO 2025 field report noted spills around piping at the Salt Water easement" and has requested that Clearwater provide to the Oil Conservation Division (OCD) and NMSLO Environmental Compliance Office (ECO) all relevant information concerning the spills in the form of a site assessment workplan.

On July 7, 2022, Clearwater submitted a Remediation Report and Closure Request to the OCD for Incident #nAPP2209030874 at the South Vacuum #274 SWD. The release covered an area measuring approximately 90' x 80' to the east and southeast of the water tank. The produced water release covered a surface area of approximately 7,200 square feet. The OCD approved closure of the release on July 19, 2022.

On June 9, 2023, Clearwater observed a release from a flow line at the northwest corner of the well pad. Remediation was conducted, but not completed, and the release was not reported to the OCD at that time. A Notice of Release (NOR) was submitted to the OCD on August 28, 2025, and Incident #nAPP2523985227 was assigned. A Remediation Summary and Closure Report was submitted to the OCD and ECO on March 25, 2026. Closure was approved by ECO on April 22, 2026, and by OCD on April 27, 2026.

While conducting soil remediation at Incident #nAPP2523985227, a release from the South Vacuum #274 wellhead occurred on October 14, 2025. A NOR was submitted on October 14, 2025, and Incident #nAPP2528757355 was assigned. An initial C-141 was immediately submitted that reported a release of 100 barrels (bbls) of produced water from the well, with 10 bbls recovered, and 90 bbls lost. Figure 2 shows the release area.

As a remediation workplan or closure report was due by January 12, 2026, a request for extension was submitted to the OCD on January 9, 2026, and the 90-day extension was approved on January 13, 2026 with a new due date of April 13, 2026.

A Site Characterization Report and Remediation Workplan with Deferral Request was submitted on April 11, 2026, but was rejected on May 18, 2026 because of the deferral request.

This Revised Site Characterization Report and Remediation Workplan has been prepared in accordance with 19.15.29.11 New Mexico Administrative Code (NMAC) and provides the results of assessment and

South Vacuum #274 SWD
Revised Site Characterization Report and Remediation Workplan



remediation activities conducted at Incident # nAPP2528757355, includes a proposal for completion of soil remediation, and mentions the potential deferral of remediation immediately around the wellhead.

3.0 NMOCD Closure Criteria

Cleanup standards for spills are provided in 19.15.29 NMAC. The cleanup standards (described in the rule as “Closure Criteria”) are based primarily on depth to groundwater but are also based on other criteria. Three different Closure Criteria are provided in the rule. The most stringent apply to sites where groundwater is found within 50 feet of the ground surface or if the release occurred within one of the following areas:

- Within 300 feet of any continuously flowing watercourse or any other significant watercourse.
- Within 200 feet of any lakebed, sinkhole or playa lake (measured from the ordinary highwater mark).
- Within 300 feet from an occupied permanent residence, school, hospital, institution or church.
- Within 500 feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes.
- Within 1,000 feet of any fresh water well or spring.
- Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to Section 3-27-3 NMSA 1978 as amended.
- Within 300 feet of a wetland.
- Within the area overlying a subsurface mine.
- Within an unstable area such as a karst formation.
- Within a 100-year floodplain.

CE reviewed available information to determine the Closure Criteria for the Site. The findings of this evaluation are summarized below.

3.1 Groundwater Evaluation

A review of the New Mexico Office of the State Engineer (NMOSE) records indicated there are three water wells located within 0.5 mile of the Site, and initial depth to groundwater measurements were provided for each well. Depth to groundwater in the three wells surrounding the Site ranged from 40 to 60 feet below ground surface (bgs). All wells were drilled prior to 1974. All wells located within 0.5 mile from the Site are listed in the table below. Figure 3 provides a 0.5-mile radius circle around the Site and shows the location of the three water wells within that radius. Based on the water well data available in NMOSE records, it will be assumed that depth to groundwater at the Site is less than 50 feet bgs. NMOSE water well records with depth to groundwater listed are provided in Appendix B.



Nearby Water Wells

Well ID	Location from Release Site	Year Installed	Use	Depth to Water (feet bgs)
L 06868	Approx. 2,600 feet to east	1971	N/A	57
L 06869	Approx. 1,800 feet to northeast	1971	N/A	60
L 07129	Approx. 1,600 feet to south	1973	N/A	40

3.2 Surface Features and Other Development

CE reviewed recent aerial photographs, topographic maps, the NMOSE Point of Discharge (POD) GIS website, and information available from the Lea County, New Mexico Central Appraisal District website. As shown on Figure 1, the Site is **not** located:

- Within 300 feet of any continuously flowing watercourse or any other significant watercourse.
 - No continuously flowing watercourses (rivers, streams, arroyos, etc.) are apparent within 300 feet of the Site in the aerial map (Figure 4).
- Within 200 feet of any lakebed, sinkhole or playa lake (measured from the ordinary highwater mark).
 - The aerial map (Figure 4) indicates there is not a lakebed, sinkhole or playa lake located within 200 feet of the Site; however, freshwater emergent wetlands are located approximately 900 feet northwest and 2,400 feet east of the Site. Additionally, a freshwater pond is located approximately 2,900 feet north of the Site.
- Within 300 feet from an occupied permanent residence, school, hospital, institution or church.
 - The Site Location Map (Figure 1) and information available from the Lea County, New Mexico Central Appraisal District do not show or list any permanent residence, school, hospital, institution or church located within 300 feet of the Site.
- Within 500 feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes.
 - No wells or springs located within 500 feet of the Site appear in any of the NMOSE records reviewed by CE.
- Within 1,000 feet of any fresh water well or spring.
 - No freshwater wells or springs located within 1,000 feet of the Site appear in any of the records reviewed by CE.
- Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to Section 3-27-3 NMSA 1978 as amended.
 - Based on the property and other records review by CE, the Site is not located in incorporated municipal boundaries or within a defined municipal fresh water well field.
- Within the area overlying a subsurface mine.
 - Based on the property and other records reviewed by CE, the Site is not located within an area overlying a subsurface mine.



3.3 Wetlands, Floodplain, and Karst Geology

A review of the United States Fish and Wildlife Service (USFWS) wetlands map indicated the Site is not located within 300 feet of a wetland; however, freshwater emergent wetlands are located approximately 900 feet northwest and 2,400 feet east of the Site. Additionally, a freshwater pond is located approximately 2,900 feet north of the Site. The New Mexico Bureau of Land Management (BLM) karst potential map indicates the Site is located within a "low karst potential" area. Finally, a review of the Federal Emergency Management Act (FEMA) floodplain map indicates the release at the Site is located outside of a 100-year floodplain. Figures 4, 5, and 6 depict the USFWS map, the FEMA floodplain map, and the karst potential map, respectively.

3.4 Closure Criteria Currently Assumed Applicable to the Site

Based on the water well data available in NMOSE records, it will be assumed that depth to groundwater at the Site is less than 50 feet bgs and the most stringent NMOCD Closure Criteria associated with groundwater depths of less than 50 feet bgs will apply. A summary of the Closure Criteria is provided in the table below and in Table 1.

NMOCD Closure Criteria

Constituent of Concern		Closure Criteria Based on Depth to Groundwater (mg/kg)		
		≤ 50 feet bgs	51 feet to 100 feet bgs	> 100 feet bgs
Chloride (EPA 300)		600	10,000	20,000
TPH (EPA 8015M)	GRO + DRO + MRO	100	2,500	2,500
	GRO + DRO	NA	1,000	1,000
Total BTEX (EPA 8021 or 8260)		50	50	50
Benzene (EPA 8021 or 8260)		10	10	10

Notes: NA = not applicable
 bgs = below ground surface
 mg/kg = milligrams per kilogram
 GRO = gasoline range organics
 DRO = diesel range organics
 MRO = motor oil range organics
 TPH = total petroleum hydrocarbons
 BTEX = benzene, toluene, ethylbenzene, and total xylenes
 Green highlighted cells denote applicable Closure Criteria.



4.0 Site Assessment/Characterization Results

As per 19.15.29.11 NMAC, a Site Characterization Report will have the components described in Sections 4.1 through 4.5 of this document.

4.1 Site Map

As required by 19.15.29.11 NMAC, a scaled diagram showing significant Site infrastructure, sample point locations, and known subsurface features such as utilities is provided as Figure 2.

4.2 Depth to Groundwater

As discussed in Sections 3.1 and 3.4, depth to groundwater is assumed to be less than 50' bgs, and the most stringent NMOCD Closure Criteria will apply to the Site.

4.3 Wellhead Protection Area

The 0.5-mile wellhead protection area is shown on Figure 3. There were no other water sources, springs, or other sources of freshwater extraction identified within 0.5-mile of the Site.

4.4 Distance to Nearest Significant Watercourse

The horizontal distance to the nearest significant watercourse as defined in Subsection P of 19.15.17.7 NMAC is greater than 0.5-mile from the Site.

4.5 Summary of Delineation/Remediation Activities

As most sample locations associated with Incident # nAPP2523985227 and some sample locations associated with Incident # nAPP2528757355 were in areas that were not previously disturbed, compliance with the Cultural Properties Protection (CPP) Rule did apply, and an Archaeological Survey was completed by APAC of Carlsbad, New Mexico. The Archaeological Survey (NMCRIS Activity Number: 159334) reports that findings were negative, and no further archaeological review is required. Appendix C provides a copy of the Cultural resources Cover Sheet.

A biological desktop review was conducted, and no sensitive wildlife or plant species were found in proximity to the subject Site. A copy of the U.S. Fish & Wildlife Service database review and the New Mexico Habitat Assessment Tool (NM CHAT) map is included in Appendix D.

Beginning on October 15, 2025, affected soil was excavated from the release area until five-point composite confirmation samples were collected from the sidewalls (S-1 through S-48) and the bottom (B-1 through B-31) on January 13, 2026.

All samples were placed in laboratory prepared containers, properly labeled, immediately placed on ice, and hand delivered to Cardinal Laboratories (Cardinal) of Hobbs, New Mexico for analysis of total petroleum hydrocarbons (TPH) by EPA Method 8015 Modified, benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and chlorides by EPA Method 300.0.

South Vacuum #274 SWD
Revised Site Characterization Report and Remediation Workplan



Table 1 provides a summary of the laboratory results. Figure 2 shows the sample locations and concentrations. Appendix E provides a copy of the laboratory report and chain-of-custody documentation. Appendix F provides a photographic log that documents assessment activities.

Referring to Table 1, concentrations of benzene and total BTEX were reported below the test method detection limits in each sample. Concentrations of TPH were reported above the Closure Criteria in sidewall samples S-6 (984 mg/kg), S-38 (144.5 mg/kg), S-44 (1,085 mg/kg), S-46 (151.9 mg/kg), and S-47 (162.1 mg/kg), and in bottom samples B-6 (607 mg/kg), B-7 (481 mg/kg), B-9 (4,160 mg/kg), B-10 (1,016 mg/kg), B-11 (574 mg/kg), B-12 (2,168 mg/kg), and B-13 (1,274 mg/kg). Concentrations of chlorides were reported above the Closure Criteria in all samples except sidewall samples S-4, S-5, S-6, S-8, S-18, S-23, S-24, S-25, S-27 through S-30, and S-50, and in bottom samples B-13, B-26, and B-29.

Excavation continued until five-point composite samples were collected from the sidewalls (S-1 through S-3, S-7, S-9 through S-17, S-19 through S-22, S-26, S-31 through S-50) and bottom (B-1 through B-25, B-27, and B-28) of the excavation on March 16, 2026.

All samples were placed in laboratory prepared containers, properly labeled, immediately placed on ice, and hand delivered to Cardinal for analysis of TPH, BTEX, and chlorides.

Table 1 provides a summary of the laboratory results. Figure 2 shows the sample locations and concentrations. Appendix E provides a copy of the laboratory reports and chain-of-custody documentation. Appendix F provides a photographic log.

Referring to Table 1, concentrations of benzene and BTEX were reported below the test method detection limits or Closure Criteria in each sample. Concentrations of TPH were reported above the Closure Criteria in bottom samples B-14 (495 mg/kg) and B-15 (2,171 mg/kg). All sidewall samples and other bottom samples reported TPH concentrations below the test method detection limits or Closure Criteria. Concentrations of chlorides were reported above the Closure Criteria in sidewall samples S-1 (4,440 mg/kg), S-2 (2,190 mg/kg), S-7 (1,360 mg/kg), S-39 (688 mg/kg), S-43 (1,920 mg/kg), S-44 (4,240 mg/kg), and S-49 (4,240 mg/kg), and in all bottom samples except B-13, B-15, and B-28.

All excavated soil has been disposed of at GM, Inc. (GMI).

4.6 Laboratory Analytical Data Quality Assurance/Quality Control Results

Laboratory data in Report Numbers H260230 and H261502 generated by Cardinal, was reviewed to ensure that reported analytical results met data quality objectives. It was determined by quality control data associated with analytical results that reported concentrations of target analytes are defensible and that measurement data reliability is within the expected limits of sampling and analytical error. All analytical results are usable for characterization of soil at the Site. The laboratory analytical results are provided as Appendix E.



5.0 Proposed Remediation Activities

Horizontal delineation has been achieved at all sample points except S-1, S-2 at the southwest end of the release, and at sample points S-44, S-48, and S-49 around the wellhead.

Clearwater proposes to excavate impacted soil from the sidewalls of S-1 and S-2, and from the bottom of the current excavation until all five-point composite samples report TPH and chloride concentrations below the OCD Closure Criteria. Complete horizontal and vertical delineation will be conducted during excavation/remediation. As initial BTEX concentrations were reported below the test method detection limits, Clearwater requests a variance that remaining confirmation samples will not be analyzed for BTEX.

Due to the large footprint of the Site, Clearwater requests a variance from the NMOCD requirement of one soil sample per 200 square feet for confirmation sampling, and requests composite confirmation sample collection be performed for each 400 square feet of excavation floor.

All excavated material will be transported under manifest to GMI.

In accordance with 19.15.29.12(C)(2) NMAC, Clearwater may request a deferral from remediation of soil around and below the wellhead and pump until time of abandonment of the well to prevent disruption of production and avoid safety hazards caused by remediating soil in this area.

As shown on Figure 2, all impacted soil will be removed from the Site except for soil within three feet of the wellhead and pump. The blue rectangle on Figure 2 shows the area where deferral of remediation may be requested (bounded by samples points S-44, S-48, S-49, and S-50). As excavation continues, vertical delineation will be provided to the west, north, and east of this area.

Upon receipt of laboratory results that all TPH and chloride concentrations are below the Closure Criteria, the excavation will be backfilled to grade with non-impacted caliche obtained from a nearby pit. Pursuant to 19.15.29.13 NMAC, the impacted surface areas will be restored to pre-release conditions. Surface grading will be performed to near original conditions and contoured to prevent erosion and ponding, promote stability, and preserve storm water flow patterns.

As the South Vacuum #274 is a currently active well, seeding will not be conducted until time of abandonment.

The affected soil covers a surface area of approximately 26,000 square feet, and it is estimated that a total of approximately 3,850 cubic yards of soil will be excavated and hauled to disposal.

6.0 Schedule of Implementation

Remediation activities are ongoing and will continue at Incident #nAPP2528757355. Upon receipt of laboratory results that all final TPH and chloride concentrations are below the Closure Criteria, a Remediation Summary and Closure Report will be submitted to the OCD and ECO.

Clearwater anticipates that a Closure Report will be submitted to OCD and ECO within 90 days of approval of this Workplan.

South Vacuum #274 SWD
Revised Site Characterization Report and Remediation Workplan



Upon approval of the Closure report, the excavation will be backfilled with clean caliche obtained from a nearby pit. A soil sample will be obtained from the fill material and analyzed by Cardinal for TPH, BTEX, and chlorides.

7.0 Distribution

Copy 1: Mike Bratcher
New Mexico Energy, Minerals, and Natural Resources Department
Oil Conservation Division
Via email at: Mike.Bratcher@emnrd.nm.gov

Copy 2: Environmental Compliance Office
Via email at: ECO@nmslo.gov



TABLE

Table 1
Summary of Soil Sample Analytical Results
 Clearwater SWD, LLC
 South Vacuum #274, SWD 300-025-31722
 Incident #nAPP2528757355

Sample ID	Sample Date	Sample Depth (feet bgs)	Soil Status	TPH	TPH	TPH	Total TPH	Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX	Chloride
				(GRO)	(DRO)	(MRO)		milligrams per kilogram (mg/kg)					
NMOCD Closure Criteria				-	-	-	100	10	-	-	-	50	600
Confirmation Samples From Sidewalls of Excavation													
S-1	01/13/26	0-1	Excavated	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,800
S-1	03/16/26	0-2	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	4,440
S-2	01/13/26	0-1	Excavated	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	4,800
S-2	03/16/26	0-2	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,190
S-3	01/13/26	0-1	Excavated	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,560
S-3	03/16/26	0-2	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
S-4	01/13/26	0-1	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
S-5	01/13/26	0-1	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
S-6	01/13/26	0-1	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	560
S-7	01/13/26	0-1	Excavated	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,380
S-7	03/16/26	0-2	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,360
S-8	01/13/26	0-1	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	224
S-9	01/13/26	0-1	Excavated	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	3,960
S-9	03/16/26	0-3.5	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	400
S-10	01/13/26	0-1	Excavated	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,400
S-10	03/16/26	0-3.5	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	288
S-11	01/13/26	0-1	Excavated	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,380
S-11	03/16/26	0-3.5	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	304
S-12	01/13/26	0-1	Excavated	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,970
S-12	03/16/26	0-3.5	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	304
S-13	01/13/26	0-1	Excavated	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,480
S-13	03/16/26	0-3.5	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	288
S-14	01/13/26	0-1	Excavated	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,650
S-14	03/16/26	0-3.5	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	320
S-15	01/13/26	0-1	Excavated	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,710
S-15	03/16/26	0-3.5	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	304
S-16	01/13/26	0-1	Excavated	<10.0	638	346	984	<0.050	<0.050	<0.050	<0.150	<0.300	2,520
S-16	03/16/26	0-3.5	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
S-17	01/13/26	0-1	Excavated	<10.0	10.2	<10.0	10.2	<0.050	<0.050	<0.050	<0.150	<0.300	912
S-17	03/16/26	0-3.5	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
S-18	01/13/26	0-1	In Situ	<10.0	28.8	<10.0	28.8	<0.050	<0.050	<0.050	<0.150	<0.300	288
S-19	01/13/26	0-1	Excavated	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,440
S-19	03/16/26	3'	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	208
S-20	01/13/26	0-1	Excavated	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,800
S-20	03/16/26	0-3	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
S-21	01/13/26	0-1	Excavated	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,280
S-21	03/16/26	0-3	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	176
S-22	01/13/26	0-1	Excavated	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	976
S-22	03/16/26	0-3	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	176
S-23	01/13/26	0-1	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	144
S-24	01/13/26	0-1	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
S-25	01/13/26	0-1	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	432
S-26	01/13/26	0-1	Excavated	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	5,900
S-26	03/16/26	0-3	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	176
S-27	01/13/26	0-1	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
S-28	01/13/26	0-1	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
S-29	01/13/26	0-1	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
S-30	01/13/26	0-1	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
S-31	01/13/26	0-1	Excavated	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	912
S-31	03/16/26	0-3	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	176
S-32	01/13/26	0-1	Excavated	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,800
S-32	03/16/26	0-3	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	176
S-33	01/13/26	0-1	Excavated	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	992
S-33	03/16/26	0-3	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	272
S-34	01/13/26	0-1	Excavated	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,760
S-34	03/16/26	0-3	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	288
S-35	01/13/26	0-1	Excavated	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,450
S-35	03/16/26	0-3	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	256
S-36	01/13/26	0-1	Excavated	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,180
S-36	03/16/26	0-3	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	288
S-37	01/13/26	0-1	Excavated	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	3,520
S-37	03/16/26	0-3	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	288
S-38	01/13/26	0-1	Excavated	<10.0	87.7	56.8	144.5	<0.050	<0.050	<0.050	<0.150	<0.300	7,330
S-38	03/16/26	0-4	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	352

Table 1
Summary of Soil Sample Analytical Results
 Clearwater SWD, LLC
 South Vacuum #274, SWD 300-025-31722
 Incident #nAPP2528757355

Sample ID	Sample Date	Sample Depth (feet bgs)	Soil Status	TPH (GRO)	TPH (DRO)	TPH (MRO)	Total TPH	Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX	Chloride
				milligrams per kilogram (mg/kg)									
NMOCD Closure Criteria				-	-	-	100	10	-	-	-	50	600
S-39	01/13/26	0-1	Excavated	<10.0	27.6	<10.0	27.6	<0.050	<0.050	<0.050	<0.150	<0.300	3,000
S-39	03/16/26	0-4	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	688
S-40	01/13/26	0-1	Excavated	<10.0	72.0	<10.0	72.0	<0.050	<0.050	<0.050	<0.150	<0.300	3,600
S-40	03/16/26	4	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	240
S-41	01/13/26	0-1	Excavated	<10.0	32.5	18.5	51.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,800
S-41	03/16/26	4	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	304
S-42	01/13/26	0-1	Excavated	<10.0	12.1	<10.0	12.1	<0.050	<0.050	<0.050	<0.150	<0.300	5,900
S-42	03/16/26	0-4	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	304
S-43	01/13/26	0-1	Excavated	<10.0	11.9	<10.0	11.9	<0.050	<0.050	<0.050	<0.150	<0.300	11,200
S-43	03/16/26	0-4	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,920
S-44	01/13/26	0-1	Excavated	<10.0	870	215	1,085	<0.050	<0.050	<0.050	<0.150	<0.300	2,960
S-44	03/16/26	3.5	In Situ	<10.0	34.3	<10.0	34.3	<0.050	<0.050	<0.050	<0.150	<0.300	4,240
S-45	01/13/26	0-1	Excavated	<10.0	25.8	<10.0	25.8	<0.050	<0.050	<0.050	<0.150	<0.300	2,680
S-45	03/16/26	3.5	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	320
S-46	01/13/26	0-1	Excavated	<10.0	101	50.9	151.9	<0.050	<0.050	<0.050	<0.150	<0.300	1,580
S-46	03/16/26	0-3	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	352
S-47	01/13/26	0-1	Excavated	<10.0	117	45.1	162.1	<0.050	<0.050	<0.050	<0.150	<0.300	3,520
S-47	03/16/26	0-3	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	400
S-48	01/13/26	0-1	Excavated	<10.0	34.2	23.7	57.9	<0.050	<0.050	<0.050	<0.150	<0.300	2,680
S-48	03/16/26	0-3	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	416
S-49	03/16/26	0-6"	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	4,240
S-50	03/16/26	0-6"	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	352
Confirmation Samples From Bottom of Excavation													
B-1	01/13/26	1	Excavated	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,770
B-1	03/16/26	2	In Situ	<10.0	16.4	<10.0	16.4	<0.050	<0.050	<0.050	<0.150	<0.300	1,790
B-2	01/13/26	1	Excavated	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	4,360
B-2	03/16/26	2	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,400
B-3	01/13/26	1	Excavated	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,100
B-3	03/16/26	2	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	3,600
B-4	01/13/26	1	Excavated	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	3,040
B-4	03/16/26	2	In Situ	<10.0	10.7	<10.0	10.7	<0.050	<0.050	<0.050	<0.150	<0.300	3,800
B-5	01/13/26	1	Excavated	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,060
B-5	03/16/26	2	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	800
B-6	01/13/26	1	Excavated	<10.0	398	209	607	<0.050	<0.050	<0.050	<0.150	<0.300	3,200
B-6	03/16/26	3	In Situ	<10.0	19.2	<10.0	19.2	<0.050	<0.050	<0.050	<0.150	<0.300	2,640
B-7	01/13/26	1	Excavated	<10.0	309	172	481	<0.050	<0.050	<0.050	<0.150	<0.300	3,600
B-7	03/16/26	3	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	976
B-8	01/13/26	1	Excavated	<10.0	23.4	12.4	35.8	<0.050	<0.050	<0.050	<0.150	<0.300	5,200
B-8	03/16/26	3	In Situ	<10.0	27.4	<10.0	27.4	<0.050	<0.050	<0.050	<0.150	<0.300	2,760
B-9	01/13/26	1	Excavated	<10.0	2,690	1,470	4,160	<0.050	<0.050	<0.050	<0.150	<0.300	3,160
B-9	03/16/26	3	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,820
B-10	01/13/26	1	Excavated	<10.0	623	393	1,016	<0.050	<0.050	<0.050	<0.150	<0.300	1,180
B-10	03/16/26	3	In Situ	<10.0	36.0	<10.0	36.0	<0.050	<0.050	<0.050	<0.150	<0.300	3,320
B-11	01/13/26	1	Excavated	<10.0	356	218	574	<0.050	<0.050	<0.050	<0.150	<0.300	5,880
B-11	03/16/26	3	In Situ	<10.0	14.0	<10.0	14.0	<0.050	<0.050	<0.050	<0.150	<0.300	3,600
B-12	01/13/26	1	Excavated	<10.0	1,350	818	2,168	<0.050	<0.050	<0.050	<0.150	<0.300	928
B-12	03/16/26	3.5	In Situ	<10.0	46.3	19.0	65.3	<0.050	<0.050	<0.050	<0.150	<0.300	3,080
B-13	01/13/26	1	Excavated	<10.0	784	490	1,274	<0.050	<0.050	<0.050	<0.150	<0.300	432
B-13	03/16/26	3'	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	288
B-14	01/13/26	1	Excavated	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,630
B-14	03/16/26	3	In Situ	<10.0	309	186	495	<0.050	<0.050	<0.050	<0.150	<0.300	12,900
B-15	01/13/26	1	Excavated	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,630
B-15	03/16/26	3	In Situ	<10.0	1,350	821	2,171	<0.050	<0.050	<0.050	<0.150	<0.300	400
B-16	01/13/26	1	Excavated	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	4,080
B-16	03/16/26	4	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,540
B-17	01/13/26	1	Excavated	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	3,520
B-17	03/16/26	4	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,230
B-18	01/13/26	1	Excavated	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,960
B-18	03/16/26	4	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,960
B-19	01/13/26	1	Excavated	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	3,880
B-19	03/16/26	4	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,300
B-20	01/13/26	1	Excavated	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	3,560
B-20	03/16/26	4	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,810
B-21	01/13/26	1	Excavated	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	3,040
B-21	03/16/26	3	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	5,840
B-22	01/13/26	1	Excavated	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,880
B-22	03/16/26	3	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,780
B-23	01/13/26	1	Excavated	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,490
B-23	03/16/26	3	In Situ	<10.0	58.2	29.9	88.1	<0.050	<0.050	<0.050	<0.150	<0.300	3,360
B-24	01/13/26	1	Excavated	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	3,880
B-24	03/16/26	3	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	3,520

Table 1
Summary of Soil Sample Analytical Results
 Clearwater SWD, LLC
 South Vacuum #274, SWD 300-025-31722
 Incident #nAPP2528757355

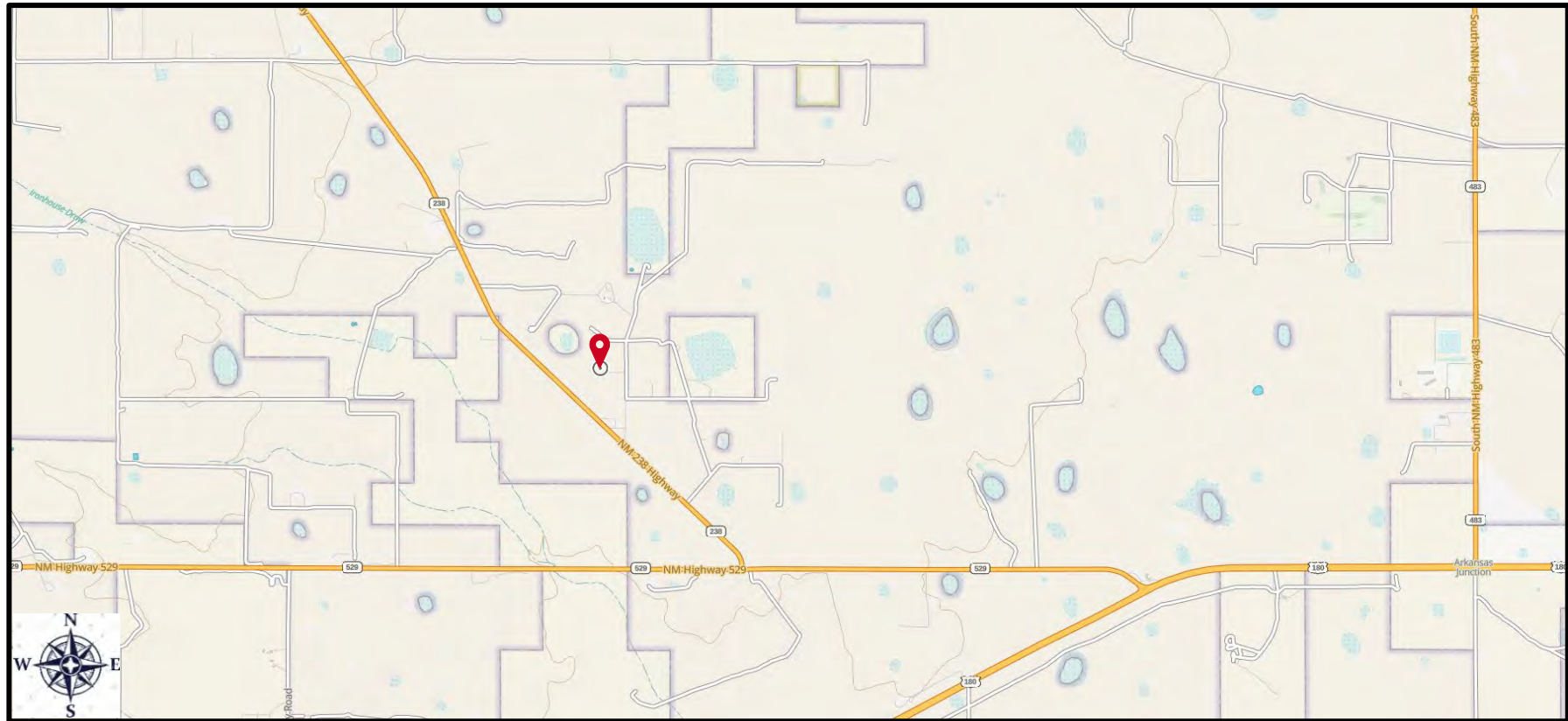
Sample ID	Sample Date	Sample Depth (feet bgs)	Soil Status	TPH (GRO)	TPH (DRO)	TPH (MRO)	Total TPH	Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX	Chloride
				milligrams per kilogram (mg/kg)									
NMOCD Closure Criteria				-	-	-	100	10	-	-	-	50	600
B-25	01/13/26	1	Excavated	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,880
B-25	03/16/26	3	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	13,100
B-26	01/13/26	1	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	448
B-27	01/13/26	1	Excavated	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,330
B-27	03/16/26	3	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,020
B-28	01/13/26	1	Excavated	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	3,520
B-28	03/16/26	3	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	272
B-29	01/13/26	1	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
B-30	01/13/26	2	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	992
B-31	01/13/26	2	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,890



Notes:

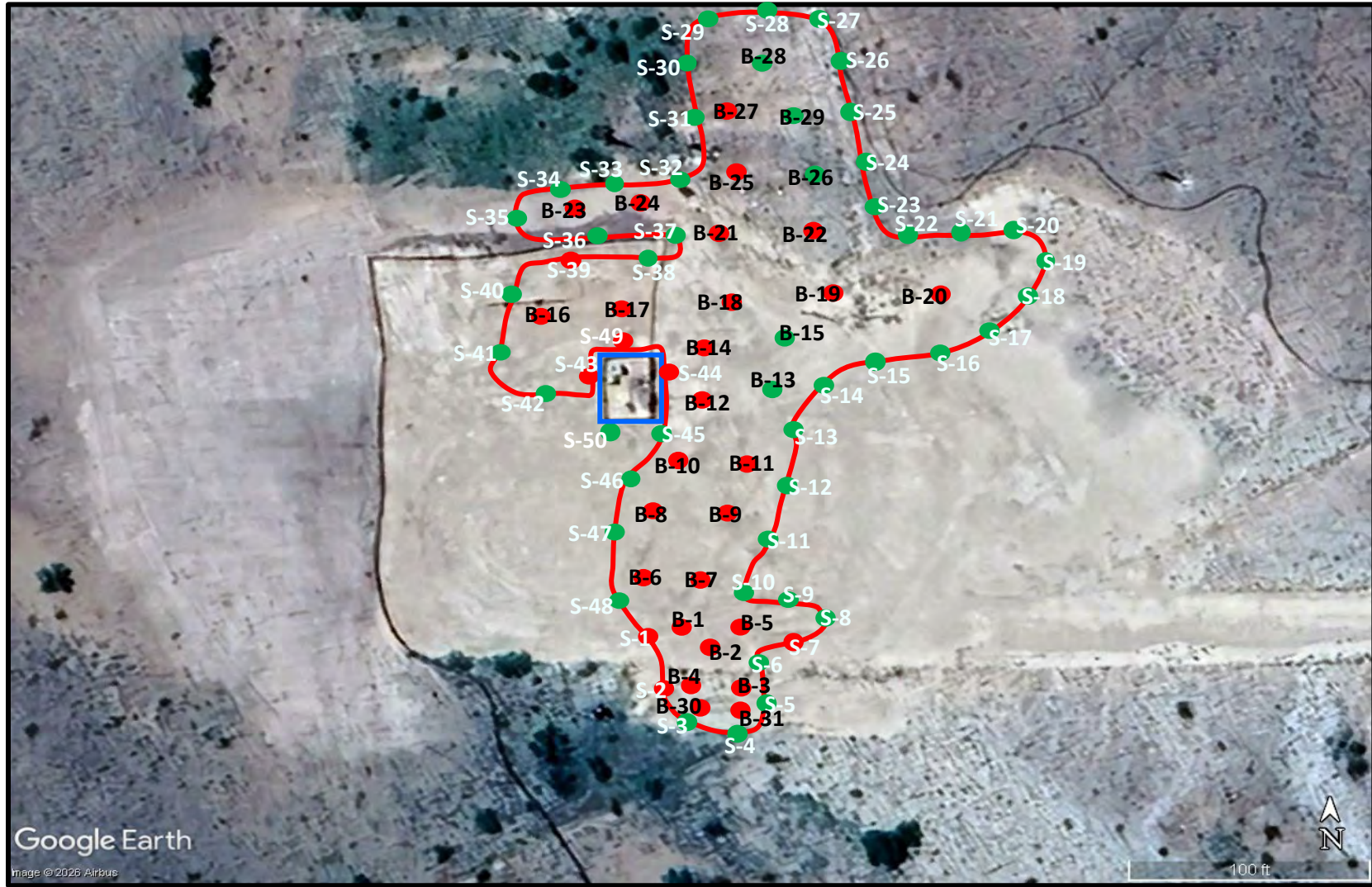
1. GRO: Gasoline Range Organics
2. DRO: Diesel Range Organics
3. MRO: Motor Oil Range Organics
4. bgs: below ground surface
5. Bold and highlighting indicates the COC was detected above the NMOCD Closure Criteria.
6. < indicates the COC was below the appropriate laboratory method/sample detection limit
7. Yellow highlighting indicates the COC concentration exceeds the NMOCD Closure Criteria
8. Green highlighting indicates soil was excavated and disposed.



FIGURES






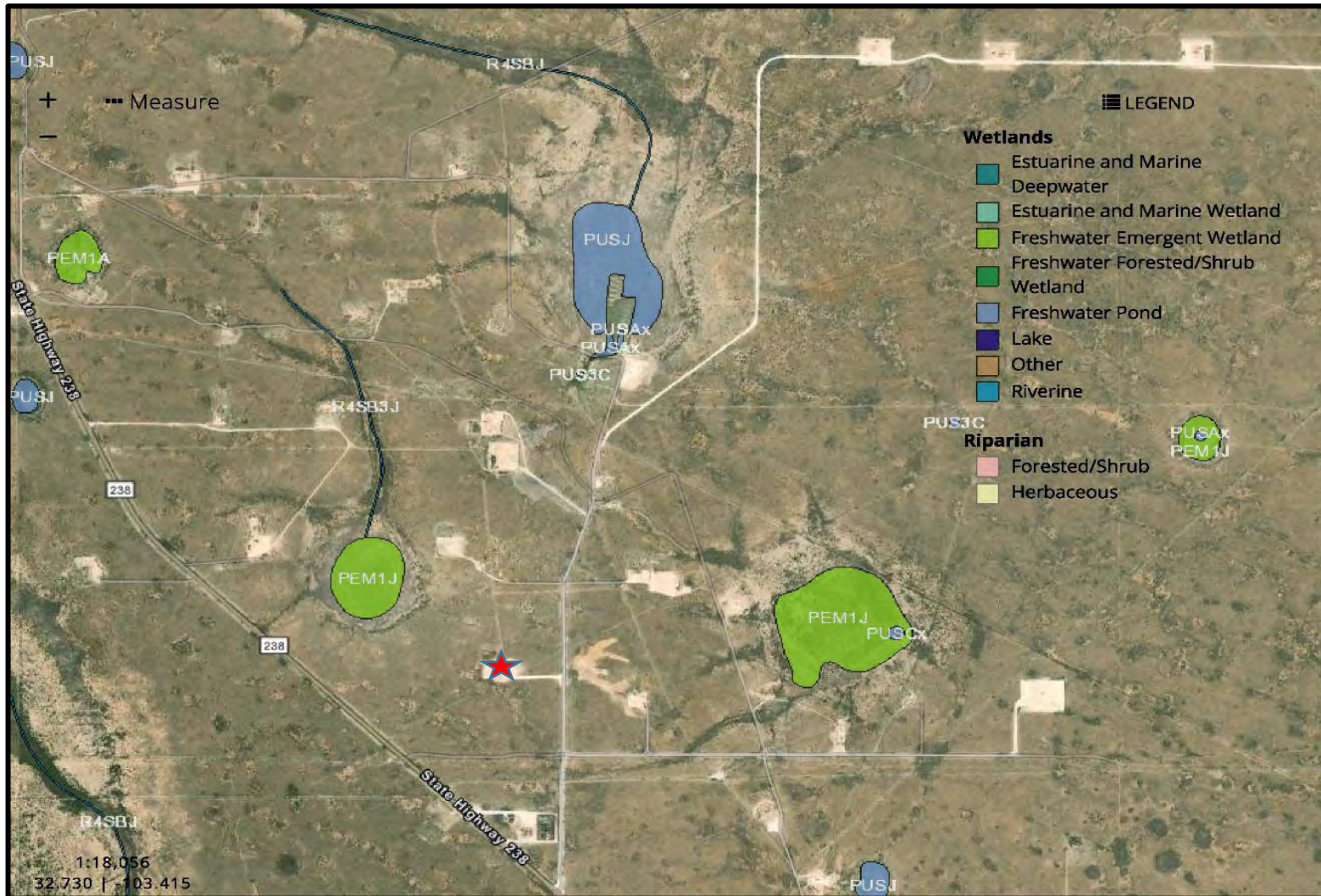
LEGEND:  Site Location	Figure 1 Site Location Map Clearwater SWD, LLC South Vacuum #274 SWD Lea County, New Mexico	Drafted by: CC Checked by: CC	
		Draft: April 11, 2026	
GPS: 32.713942° -103.438893°			
Base Map from GAIA GPS			





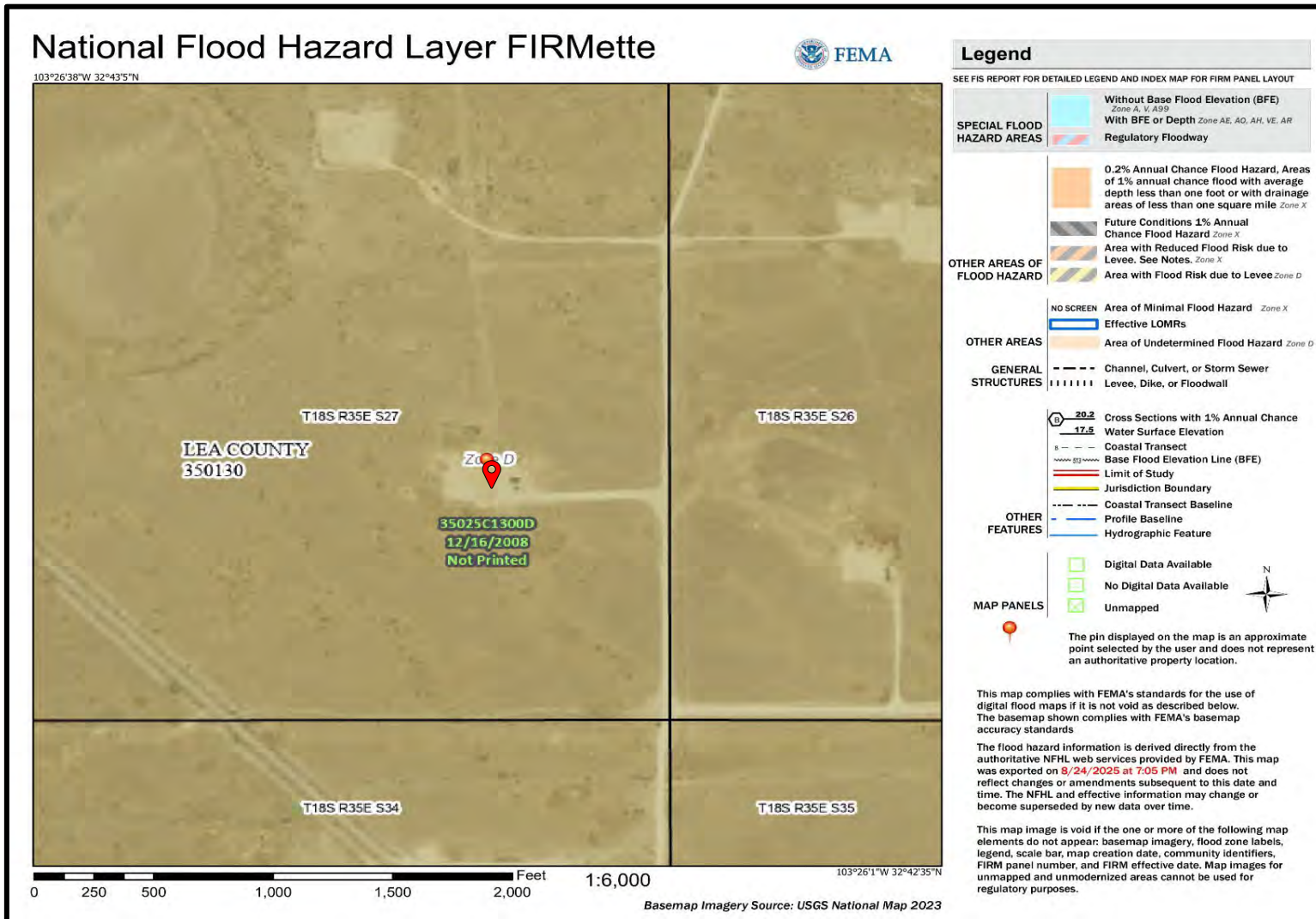
LEGEND: Sample Location Needs Excavation Sample Location Needs No Further Excavation Excavation Boundary Area of Potential Deferral	Figure 2 Soil Sample Analytical Results Map Clearwater SWD, LLC South Vacuum #274 SWD October 14, 2025 Release Lea County, New Mexico	Drafted by: CC Checked by: CC	
		Draft: April 11, 2026	
GPS: 32.713942° -103.438893°			
Base Map from Google Earth			





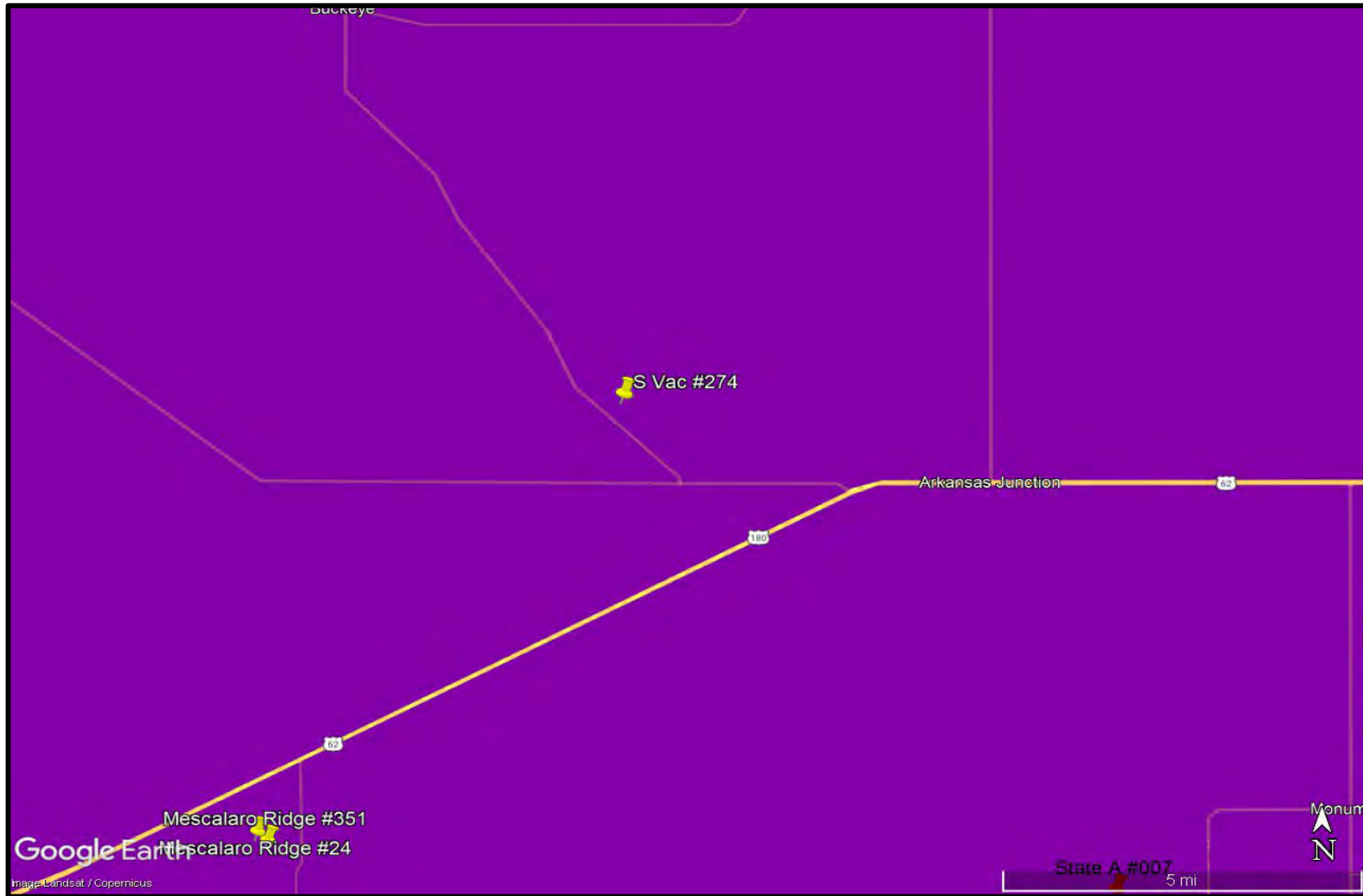
LEGEND:  Site and Water Well Locations With Depth to Groundwater (feet below ground surface)  0.5 Mile Radius Base Map from Google Earth Pro	Figure 3 Wellhead Protection Area Map Clearwater SWD, LLC South Vacuum #274 SWD Lea County, New Mexico	Drafted by: CC Checked by: CC	
		Draft: April 11, 2026	
GPS: 32.713942° -103.438893°			






LEGEND:  Site Location	Figure 4 National Wetlands Inventory Map Clearwater SWD, LLC South Vacuum #274 SWD Lea County, New Mexico	Drafted by: CC Checked by: CC	
		Draft: April 11, 2026	
GPS: 32.713942° -103.438893°			
Base Map from US Fish & Wildlife Service			
(Empty cell)			



LEGEND:  Site Location Base Map from FEMA	Figure 5 FEMA Floodplain Map Clearwater SWD, LLC South Vacuum #274 SWD Lea County, New Mexico	Drafted by: CC Checked by: CC Draft: April 11, 2026 GPS: 32.713942° -103.438893°	
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LEGEND:

	Low Karst Potential
	Medium Karst Potential
	High Karst Potential

Base Map from Google Earth Pro and BLM

Figure 6
Karst Potential Map
 Clearwater SWD, LLC
 South Vacuum #274 SWD
 Lea County, New Mexico

Drafted by: CC Checked by: CC	
Draft: April 11, 2026	
GPS:	32.713942° -103.438893°





APPENDIX A: OCD COMMUNICATION

South Vacuum #274 SWD
Revised Site Characterization Report and Remediation Workplan



Cindy Crain <cindy.crain@gmail.com>

Request for Extension - Clearwater SWD - South Vacuum #274 (Incident #nAPP25258757355)

3 messages

Cindy Crain <cindy.crain@gmail.com>

Fri, Jan 9, 2026 at 10:18 AM

To: "Velez, Nelson, EMNRD" <Nelson.Velez@emnrd.nm.gov>

Bcc: Larry D Gandy <Lgandy@gandycorporation.com>

Good morning,

Excavation of impacted soil is being completed today at the above referenced site, and confirmation samples will be collected from the bottom and sidewalls of the excavation next week (1/13/26).

As the due date for the Closure Report is listed as 1/12/26, Clearwater respectfully requests a 90-day extension to complete remediation and submit a Closure Report.

Please let me know if you have any questions, need additional information, or approve the extension.

Thank you,
Cindy Crain

--
Crain Environmental
2925 East 17th Street
Odessa, TX 79761
(575) 441-7244

Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>

Tue, Jan 13, 2026 at 10:17 AM

To: Cindy Crain <cindy.crain@gmail.com>

Good morning Cindy,

Thank you for the correspondence. OCD had a snow day on Friday and I was off yesterday, so apologize for the late response.

Your 90-day time extension is approved. Remediation Due date has been updated to April 13, 2026.

Please keep a copy of this communication for inclusion within the appropriate report submittal.

The OCD requires a copy of all correspondence related to remedial activities to be included in all proposals and/or final closure reports. Correspondence required to be included in reports may include, but not limited to, notifications for liner inspections, sample events, request for time extensions, an alternative sampling plan, and/or variances.

Regards,

Nelson Velez • Senior Environmental Scientist
Environmental Bureau | EMNRD - Oil Conservation Division
1000 Rio Brazos Road | Aztec, NM 87410
(505) 469-6146 | nelson.velez@emnrd.nm.gov
<http://www.emnrd.nm.gov/ocd>



From: Cindy Crain <cindy.crain@gmail.com>
Sent: Friday, January 9, 2026 9:18 AM
To: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Subject: [EXTERNAL] Request for Extension - Clearwater SWD - South Vacuum #274 (Incident #nAPP25258757355)

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

[Quoted text hidden]

Cindy Crain <cindy.crain@gmail.com> Wed, Jan 14, 2026 at 1:12 PM
To: "Velez, Nelson, EMNRD" <Nelson.Velez@emnrd.nm.gov>
Bcc: Larry D Gandy <Lgandy@gandycorporation.com>, Tonya Mitchell <tmitchell@gandycorporation.com>

Thank you, Nelson.

I hope you enjoyed your snow day!

Cindy Crain
[Quoted text hidden]



Cindy Crain <cindy.crain@gmail.com>

The Oil Conservation Division (OCD) has rejected the application, Application ID: 574264

1 message

OCDOnline@emnrd.nm.gov <OCDOnline@emnrd.nm.gov>
To: cindy.crain@gmail.com

Mon, May 18, 2026 at 2:16 PM

To whom it may concern (c/o Cindy Crain for CLEARWATER SWD, LLC),

The OCD has rejected the submitted *Application for administrative approval of a release notification and corrective action* (C-141), for incident ID (n#) nAPP2528757355, for the following reasons:

- **This application has been rejected because the C-141 is incomplete. The submitted application indicates a conflict between the questions answered and the attachments that have been submitted. For example the answer “Yes” was selected when requesting a deferral report approval; however, your attachments indicate that your intent is to request a Site Characterization/Remediation Plan approval. Please review the December 1, 2023 Public Notice titled “Implementation of Digital C-141 and New Incident Statuses” found on the EMNRD website. Review your C-141 submission and submit a new C-141 answering the appropriate questions for your circumstance. Clearwater SWD has 30-days (June 17, 2026) to submit its appropriate or final remediation closure report.**

The rejected C-141 can be found in the OCD Online: Permitting - Action Status, under the Application ID: 574264. Please review and make the required correction(s) prior to resubmitting.

If you have any questions why this application was rejected or believe it was rejected in error, please contact me prior to submitting an additional C-141.

Thank you,
Nelson Velez
Environmental Specialist - Advanced
505-469-6146
Nelson.Velez@emnrd.nm.gov

New Mexico Energy, Minerals and Natural Resources Department
[1220 South St. Francis Drive](#)
[Santa Fe, NM 87505](#)



APPENDIX B: NMOSE WATER WELL RECORDS

South Vacuum #274 SWD
Revised Site Characterization Report and Remediation Workplan

Point of Diversion Summary

quarters are 1=NW 2=NE 3=SW 4=SE
quarters are smallest to largest

NAD83 UTM in meters

Well Tag	POD Nbr	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map
L 06868	NW	SE	SW	26	18S	35E	647026.0	3620666.0 *		

* UTM location was derived from PLSS - see Help

Driller License: 46	Driller Company: ABBOTT BROTHERS COMPANY		
Driller Name:			
Drill Start Date: 1971-10-30	Drill Finish Date: 1971-11-01	Plug Date: 1972-08-21	
Log File Date: 1971-11-03	PCW Rcv Date:	Source: Shallow	
Pump Type:	Pipe Discharge Size:	Estimated Yield:	
Casing Size: 6.63	Depth Well: 110	Depth Water: 57	

Water Bearing Stratifications:

Top	Bottom	Description
57	110	Sandstone/Gravel/Conglomerate

Casing Perforations:

Top	Bottom
68	110

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

8/24/25 12:07 PM MST


Point of Diversion Summary

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Point of Diversion Summary

quarters are 1=NW 2=NE 3=SW 4=SE
quarters are smallest to largest

NAD83 UTM in meters

Well Tag	POD Nbr	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map
L 06869			NW	SW	26	18S	35E	646717.0	3620966.0 *	

* UTM location was derived from PLSS - see Help

Driller License: 531 **Driller Company:** GRIFFIN WATER WELL SERVICE

Driller Name:

Drill Start Date: 1971-11-09 **Drill Finish Date:** 1971-11-11 **Plug Date:** 1972-12-21

Log File Date: 1971-11-16 **PCW Rcv Date:** **Source:** Shallow

Pump Type: **Pipe Discharge Size:** **Estimated Yield:**

Casing Size: 7.00 **Depth Well:** 125 **Depth Water:** 60

Water Bearing Stratifications:

Top	Bottom	Description
70	125	Sandstone/Gravel/Conglomerate

Casing Perforations:

Top	Bottom
105	125

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8/24/25 12:09 PM MST


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Point of Diversion Summary

quarters are 1=NW 2=NE 3=SW 4=SE
quarters are smallest to largest

NAD83 UTM in meters

Well Tag	POD Nbr	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map
L 07129	SE	SW	SW	SW	34	18S	35E	645237.0	3618830.0 *	

* UTM location was derived from PLSS - see Help

Driller License:	208	Driller Company:	VAN NOY, W.L.
Driller Name:	W L VAN NOY		
Drill Start Date:	1973-10-12	Drill Finish Date:	1973-10-15
Plug Date:			
Log File Date:	1973-10-24	PCW Rcv Date:	
Source:	Shallow		
Pump Type:		Pipe Discharge Size:	
Estimated Yield:			
Casing Size:	6.63	Depth Well:	60
Depth Water:	40		

Water Bearing Stratifications:

Top	Bottom	Description
50	60	Other/Unknown

Casing Perforations:

Top	Bottom
45	55

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

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APPENDIX C: NMSLO CULTURAL RESOURCES COVER SHEET

South Vacuum #274 SWD
Revised Site Characterization Report and Remediation Workplan



Stephanie Garcia Richard, Commissioner of Public Lands
State of New Mexico

NMSLO Cultural Resources Cover Sheet Exhibit 25-08-04

NMCRIS Activity Number: 159334

(if applicable)

Exhibit Type (select one)

ARMS Inspection/Review - Summarize the results (select one):

- (A) The entire area of potential effect or project area has been previously surveyed to current standards and **no cultural properties** were found within the survey area.
- (B) The entire area of potential effect or project area has been previously surveyed to current standards and **cultural properties were found** within the survey area.
- (C) The entire area of potential effect or project area has **not** been previously surveyed or **has not been surveyed** to current standards. A complete archaeological survey will be conducted and submitted for review.

Archaeological Survey

Findings:

Negative - No further archaeological review is required.

Positive - Have avoidance and protection measures been devised? Select one:

Comments: The cultural survey located no cultural materials in the project area of the proposed South Vacuum #274 SWD Pad reclamation project for Gandy Corporation represented by Crain Environmental. These findings will allow for archaeological clearance to be recommended for

Project Details:

NMSLO Lease Number (if available):

Cultural Resources Consultant: APAC Jeffrey Pangburn

Project Proponent (Applicant): Gandy Corporation represented by Crain Environmental

Project Title/Description: An Archaeological Survey for the Existing South Vacuum #274 SWD Pad Reclamation in Lea County, New Mexico

Project Location:

County(ies): Lea County, New Mexico

PLSS/Section/Township/Range): T18S R35E S27

For NMSLO Agency Use Only:

NMSLO Lease Number:

Acknowledgment-Only:

Lease Analyst:

Date Exhibit Routed to Cultural Resources Office:

No person may alter the wording of the questions or layout of the cover sheet. The completion of this cover sheet by itself does not authorize anyone to engage in new surface disturbing activity before the review and approvals required by the Cultural Properties Protections Rule.

Form Revised 12 22



APPENDIX D: BIOLOGICAL DESKTOP REVIEW

South Vacuum #274 SWD
Revised Site Characterization Report and Remediation Workplan



United States Department of the Interior



FISH AND WILDLIFE SERVICE
New Mexico Ecological Services Field Office
2105 Osuna Road Ne
Albuquerque, NM 87113-1001
Phone: (505) 346-2525 Fax: (505) 346-2542

In Reply Refer To:
Project Code: 2025-0140053
Project Name: South Vacuum #274 SWD

08/24/2025 19:10:46 UTC

Subject: List of threatened and endangered species that may occur in your proposed project location or may be affected by your proposed project

To Whom It May Concern:

Thank you for your recent request for information on federally listed species and important wildlife habitats that may occur in your project area. The U.S. Fish and Wildlife Service (Service) has responsibility for certain species of New Mexico wildlife under the Endangered Species Act (ESA) of 1973 as amended (16 USC 1531 et seq.), the Migratory Bird Treaty Act as amended (16 USC 701-715), and the Bald and Golden Eagle Protection Act as amended (16 USC 668-668(c)). We are providing the following guidance to assist you in determining which federally imperiled species may or may not occur within your project area, and to recommend some conservation measures that can be included in your project design.

The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the ESA of 1973, as amended (16 U.S.C. 1531 et seq.).

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the ESA, the accuracy of this species list should be verified after 90 days. The Service recommends that verification be completed by visiting the IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the IPaC system by completing the same process used to receive the enclosed list.

The purpose of the ESA is to provide a means whereby threatened and endangered species and

the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the ESA and its implementing regulations (50 CFR 402 *et seq.*), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat.

A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (NEPA; 42 USC 4332(2) (c)). For projects other than major construction activities, the Service suggests that a biological evaluation similar to a Biological Assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

If a Federal agency determines, based on the Biological Assessment or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species and proposed critical habitat be addressed within the consultation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at <https://www.fws.gov/sites/default/files/documents/endangered-species-consultation-handbook.pdf>.

Candidate Species and Other Sensitive Species

A list of candidate and other sensitive species in your area is also attached. Candidate species and other sensitive species are species that have no legal protection under the ESA, although we recommend that candidate and other sensitive species be included in your surveys and considered for planning purposes. The Service monitors the status of these species. If significant declines occur, these species could potentially be listed. Therefore, actions that may contribute to their decline should be avoided.

Lists of sensitive species including State-listed endangered and threatened species are compiled by New Mexico State agencies. These lists, along with species information, can be found at the following websites.

Biota Information System of New Mexico (BISON-M): www.bison-m.org

New Mexico State Forestry. The New Mexico Endangered Plant Program:
<https://www.emnrd.nm.gov/sfd/rare-plants/>

New Mexico Rare Plant Technical Council, New Mexico Rare Plants: nmrareplants.unm.edu

Natural Heritage New Mexico, online species database: nhnm.unm.edu

WETLANDS AND FLOODPLAINS

Under Executive Orders 11988 and 11990, Federal agencies are required to minimize the destruction, loss, or degradation of wetlands and floodplains, and preserve and enhance their natural and beneficial values. These habitats should be conserved through avoidance, or mitigated to ensure that there would be no net loss of wetlands function and value.

We encourage you to use the National Wetland Inventory (NWI) maps in conjunction with ground-truthing to identify wetlands occurring in your project area. The Service's NWI program website, www.fws.gov/wetlands/Data/Mapper.html, integrates digital map data with other resource information. We also recommend you contact the U.S. Army Corps of Engineers for permitting requirements under section 404 of the Clean Water Act if your proposed action could impact floodplains or wetlands.

MIGRATORY BIRDS

In addition to responsibilities to protect threatened and endangered species under the ESA, there are additional responsibilities under the Migratory Bird Treaty Act (MBTA) and the Bald and Golden Eagle Protection Act (BGEPA) to protect native birds from project-related impacts. Any activity resulting in take of migratory birds, including eagles, is prohibited unless otherwise permitted by the Service (50 CFR 10.12 and 16 USC 668(a)). For more information regarding these Acts, see <https://www.fws.gov/program/migratory-bird-permit/what-we-do>.

It is the responsibility of the project proponent to comply with these Acts by identifying potential impacts to migratory birds and eagles within applicable NEPA documents (when there is a Federal nexus) or a Bird/Eagle Conservation Plan (when there is no Federal nexus). Proponents should implement conservation measures to avoid or minimize the production of project-related stressors or minimize the exposure of birds and their resources to the project-related stressors. For more information on avian stressors and recommended conservation measures, see <https://www.fws.gov/library/collections/threats-birds>. We also recommend review of the Birds of Conservation Concern list (<https://www.fws.gov/media/birds-conservation-concern-2021>) to fully evaluate the effects to the birds at your site. This list identifies migratory and non-migratory bird species (beyond those already designated as federally threatened or endangered) that represent top conservation priorities for the Service, and are potentially threatened by disturbance, habitat impacts, or other project development activities.

In addition to MBTA and BGEPA, Executive Order 13186: *Responsibilities of Federal Agencies to Protect Migratory Birds*, obligates all Federal agencies that engage in or authorize activities that might affect migratory birds, to minimize those effects and encourage conservation measures that will improve bird populations. Executive Order 13186 thereby provides additional protection for both migratory birds and migratory bird habitat. Please visit <https://www.fws.gov/partner/council-conservation-migratory-birds> for information regarding the implementation of Executive Order 13186.

We suggest you contact the New Mexico Department of Game and Fish, and the New Mexico

Project code: 2025-0140053

08/24/2025 19:10:46 UTC

Energy, Minerals, and Natural Resources Department, Forestry Division for information regarding State protected and at-risk species fish, wildlife, and plants.

For further consultation with the Service we recommend submitting inquiries or assessments electronically to our incoming email box at nmesfo@fws.gov, where it will be more promptly routed to the appropriate biologist for review.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Please include the Consultation Code in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.

Attachment(s):

- Official Species List
- Bald & Golden Eagles
- Migratory Birds

OFFICIAL SPECIES LIST

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

New Mexico Ecological Services Field Office
2105 Osuna Road Ne
Albuquerque, NM 87113-1001
(505) 346-2525

Project code: 2025-0140053

08/24/2025 19:10:46 UTC

PROJECT SUMMARY

Project Code: 2025-0140053
Project Name: South Vacuum #274 SWD
Project Type: Easement / Right-of-Way
Project Description: Salt Water Disposal facility
Project Location:

The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@32.713842799999995,-103.43867655987142,14z>



Counties: Lea County, New Mexico

ENDANGERED SPECIES ACT SPECIES

There is a total of 3 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries¹, as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

-
1. [NOAA Fisheries](#), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

Project code: 2025-0140053

08/24/2025 19:10:46 UTC

BIRDS

NAME	STATUS
Lesser Prairie-chicken <i>Tympanuchus pallidicinctus</i> Population: Southern DPS No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/1924 General project design guidelines: https://ipac.ecosphere.fws.gov/project/DHHTOZQJMRCTZMGKTKVYJMPNWA/documents/generated/9126.pdf	Endangered
Northern Aplomado Falcon <i>Falco femoralis septentrionalis</i> Population: U.S.A (AZ, NM) No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/1923 General project design guidelines: https://ipac.ecosphere.fws.gov/project/DHHTOZQJMRCTZMGKTKVYJMPNWA/documents/generated/8928.pdf	Experimental Population, Non- Essential

INSECTS

NAME	STATUS
Monarch Butterfly <i>Danaus plexippus</i> There is proposed critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/9743	Proposed Threatened

CRITICAL HABITATS

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.

YOU ARE STILL REQUIRED TO DETERMINE IF YOUR PROJECT(S) MAY HAVE EFFECTS ON ALL ABOVE LISTED SPECIES.

BALD & GOLDEN EAGLES

Bald and Golden Eagles are protected under the Bald and Golden Eagle Protection Act ² and the Migratory Bird Treaty Act (MBTA) ¹. Any person or organization who plans or conducts activities that may result in impacts to Bald or Golden Eagles, or their habitats, should follow appropriate regulations and consider implementing appropriate avoidance and minimization measures, as described in the various links on this page.

1. The [Bald and Golden Eagle Protection Act](#) of 1940.
2. The [Migratory Birds Treaty Act](#) of 1918.
3. 50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)

Bald and Golden Eagles are protected under the Bald and Golden Eagle Protection Act and the Migratory Bird Treaty Act (MBTA). Any person or organization who plans or conducts activities that may result in impacts to Bald or Golden Eagles, or their nests, should follow appropriate regulations and implement required avoidance and minimization measures, as described in the various links on this page.

The data in this location indicates that no eagles have been observed in this area. This does not mean eagles are not present in your project area, especially if the area is difficult to survey. Please review the 'Steps to Take When No Results Are Returned' section of the Supplemental Information on Migratory Birds and Eagles document to determine if your project is in a poorly surveyed area. If it is, you may need to rely on other resources to determine if eagles may be present (e.g. your local FWS field office, state surveys, your own surveys).

Any person or organization who plans or conducts activities that may result in impacts to bald or golden eagles, or their habitats, should follow appropriate regulations and consider implementing appropriate conservation measures, as described in the links below. Specifically, please review the "Supplemental Information on Migratory Birds and Eagles".

MIGRATORY BIRDS

The Migratory Bird Treaty Act (MBTA) ¹ prohibits the take (including killing, capturing, selling, trading, and transport) of protected migratory bird species without prior authorization by the Department of Interior U.S. Fish and Wildlife Service (Service).

-
1. The [Migratory Birds Treaty Act](#) of 1918.
 2. The [Bald and Golden Eagle Protection Act](#) of 1940.
 3. 50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)

For guidance on when to schedule activities or implement avoidance and minimization measures to reduce impacts to migratory birds on your list, see the "Probability of Presence Summary" below to see when these birds are most likely to be present and breeding in your project area.

NAME	BREEDING SEASON
Chestnut-collared Longspur <i>Calcarius ornatus</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9437	Breeds May 1 to Aug 10

PROBABILITY OF PRESENCE SUMMARY

The graphs below provide our best understanding of when birds of concern are most likely to be present in your project area. This information can be used to tailor and schedule your project activities to avoid or minimize impacts to birds. Please make sure you read "[Supplemental Information on Migratory Birds and Eagles](#)", specifically the FAQ section titled "Proper

Interpretation and Use of Your Migratory Bird Report" before using or attempting to interpret this report.

Probability of Presence (■)

Green bars; the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during that week of the year.

Breeding Season (■)

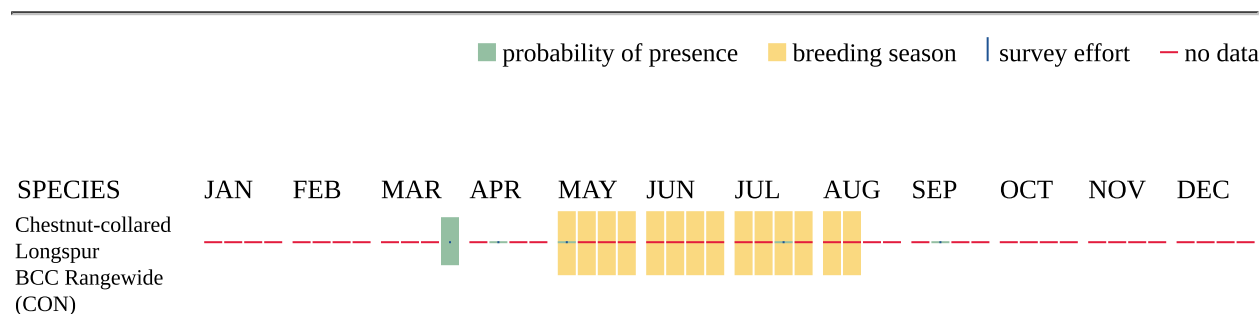
Yellow bars; liberal estimate of the timeframe inside which the bird breeds across its entire range.

Survey Effort (|)

Vertical black lines; the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps.

No Data (-)

A week is marked as having no data if there were no survey events for that week.



Additional information can be found using the following links:

- Eagle Management <https://www.fws.gov/program/eagle-management>
- Measures for avoiding and minimizing impacts to birds <https://www.fws.gov/library/collections/avoiding-and-minimizing-incident-take-migratory-birds>
- Nationwide avoidance and minimization measures for birds
- Supplemental Information for Migratory Birds and Eagles in IPaC <https://www.fws.gov/media/supplemental-information-migratory-birds-and-bald-and-golden-eagles-may-occur-project-action>

- [new mexico department of game and fish \(http://www.wildlife.state.nm.us/\)](http://www.wildlife.state.nm.us/)
- [New Mexico Conservation Information System \(https://nhnm.unm.edu/data\)](https://nhnm.unm.edu/data)
- [BISON-M \(http://www.bison-m.org/\)](http://www.bison-m.org/)
- [NM ERT \(https://nmert.org\)](https://nmert.org)
- [NM CHAT \(http://nmchat.org/\)](http://nmchat.org/)
- [SWAP \(http://nmswap.org/\)](http://nmswap.org/)
- [Share with Wildlife \(http://www.wildlife.state.nm.us/conservation/share-with-wildlife/\)](http://www.wildlife.state.nm.us/conservation/share-with-wildlife/)

Environmental Review Tool

Switch Basemap
Add Resources

Layers

Feature Search

Resource Layers ▲▼

- NM Riparian Habitat Map
- NM SWAP Habitats
- NMDGF Fish Management Plan Waters (20: Riparian Corridors
- NM SWAP Conservation Opportunity Areas
- NM Audubon Important Bird Areas
- NM Important Plant Areas
- USFWS Critical Habitat
- USFWS Refuges
- NM State Forestry Priority Landscapes

CHAT Layers ▲▼

- Crucial Habitat
- Species Of Concern
- Large Natural Areas
- Natural Vegetation
- Terrestrial SERI
- Aquatic SERI
- Freshwater Integrity
- Wetland and Riparian Areas

Reference Layers ▲▼

- Counties

The map displays a geographical area with several labeled features: Vacuum Oil Field, Corbin Oil Field, E-K Oil Field, Iron House Draw, Reeves Oil Field, South Corbin Oil And Gas Field, Querecho Plains, West Tonto Oil Field, Quail Oil Field, and Mescalero Ridge. A blue location pin is placed on the Iron House Draw area, with coordinates 32.714002, -103.439334. The map includes a scale bar (3km / 2mi), a scale of 1:144,448, and coordinates (Latitude: 32.7202, Longitude: -103.3735). Highway markers for 238, 483, 529, and 62 are visible. The bottom right corner of the map area contains the text 'Esri, CGIAR, USGS | Texas Parks & Wildl'.



APPENDIX E: LABORATORY REPORTS AND CHAIN-OF-CUSTODY DOCUMENTATION

South Vacuum #274 SWD
Revised Site Characterization Report and Remediation Workplan



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

January 20, 2026

CINDY CRAIN
CRAIN ENVIRONMENTAL
2925 E. 17TH STREET
ODESSA, TX 79761

RE: SOUTH VACUUM #274 FLOW LINE

Enclosed are the results of analyses for samples received by the laboratory on 01/15/26 9:19.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab_accred_certif.html.

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

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

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

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

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

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

Sincerely,

Celey D. Keene
Lab Director/Quality Manager



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

Analytical Results For:

CRAIN ENVIRONMENTAL
2925 E. 17TH STREET
ODESSA TX, 79761

Project: SOUTH VACUUM #274 FLOW LINE
Project Number: nAPP2528757355
Project Manager: CINDY CRAIN
Fax To: (432) 272-0304

Reported:
20-Jan-26 16:37

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
S - 1	H260230-01	Soil	13-Jan-26 12:30	15-Jan-26 09:19
S - 2	H260230-02	Soil	13-Jan-26 12:32	15-Jan-26 09:19
S - 3	H260230-03	Soil	13-Jan-26 12:34	15-Jan-26 09:19
S - 4	H260230-04	Soil	13-Jan-26 12:36	15-Jan-26 09:19
S - 5	H260230-05	Soil	13-Jan-26 12:38	15-Jan-26 09:19
S - 6	H260230-06	Soil	13-Jan-26 12:40	15-Jan-26 09:19
S - 7	H260230-07	Soil	13-Jan-26 12:42	15-Jan-26 09:19
S - 8	H260230-08	Soil	13-Jan-26 12:44	15-Jan-26 09:19
S - 9	H260230-09	Soil	13-Jan-26 12:46	15-Jan-26 09:19
S - 10	H260230-10	Soil	13-Jan-26 12:48	15-Jan-26 09:19
S - 11	H260230-11	Soil	13-Jan-26 12:50	15-Jan-26 09:19
S - 12	H260230-12	Soil	13-Jan-26 12:52	15-Jan-26 09:19
S - 13	H260230-13	Soil	13-Jan-26 12:54	15-Jan-26 09:19
S - 14	H260230-14	Soil	13-Jan-26 12:56	15-Jan-26 09:19
S - 15	H260230-15	Soil	13-Jan-26 12:58	15-Jan-26 09:19
S - 16	H260230-16	Soil	13-Jan-26 13:00	15-Jan-26 09:19
S - 17	H260230-17	Soil	13-Jan-26 13:02	15-Jan-26 09:19
S - 18	H260230-18	Soil	13-Jan-26 13:04	15-Jan-26 09:19
S - 19	H260230-19	Soil	13-Jan-26 13:06	15-Jan-26 09:19
S - 20	H260230-20	Soil	13-Jan-26 13:08	15-Jan-26 09:19
S - 21	H260230-21	Soil	13-Jan-26 13:10	15-Jan-26 09:19
S - 22	H260230-22	Soil	13-Jan-26 13:12	15-Jan-26 09:19
S - 23	H260230-23	Soil	13-Jan-26 13:14	15-Jan-26 09:19
S - 24	H260230-24	Soil	13-Jan-26 13:16	15-Jan-26 09:19
S - 25	H260230-25	Soil	13-Jan-26 13:18	15-Jan-26 09:19
S - 26	H260230-26	Soil	13-Jan-26 13:20	15-Jan-26 09:19
S - 27	H260230-27	Soil	13-Jan-26 13:22	15-Jan-26 09:19

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 20-Jan-26 16:37
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S - 28	H260230-28	Soil	13-Jan-26 13:24	15-Jan-26 09:19
S - 29	H260230-29	Soil	13-Jan-26 13:26	15-Jan-26 09:19
S - 30	H260230-30	Soil	13-Jan-26 13:28	15-Jan-26 09:19
S - 31	H260230-31	Soil	13-Jan-26 13:30	15-Jan-26 09:19
S - 32	H260230-32	Soil	13-Jan-26 13:32	15-Jan-26 09:19
S - 33	H260230-33	Soil	13-Jan-26 13:34	15-Jan-26 09:19
S - 34	H260230-34	Soil	13-Jan-26 13:36	15-Jan-26 09:19
S - 35	H260230-35	Soil	13-Jan-26 13:38	15-Jan-26 09:19
S - 36	H260230-36	Soil	13-Jan-26 13:40	15-Jan-26 09:19
S - 37	H260230-37	Soil	13-Jan-26 13:42	15-Jan-26 09:19
S - 38	H260230-38	Soil	13-Jan-26 13:44	15-Jan-26 09:19
S - 39	H260230-39	Soil	13-Jan-26 13:46	15-Jan-26 09:19
S - 40	H260230-40	Soil	13-Jan-26 13:48	15-Jan-26 09:19
S - 41	H260230-41	Soil	13-Jan-26 13:50	15-Jan-26 09:19
S - 42	H260230-42	Soil	13-Jan-26 13:52	15-Jan-26 09:19
S - 43	H260230-43	Soil	13-Jan-26 13:54	15-Jan-26 09:19
S - 44	H260230-44	Soil	13-Jan-26 13:56	15-Jan-26 09:19
S - 45	H260230-45	Soil	13-Jan-26 13:58	15-Jan-26 09:19
S - 46	H260230-46	Soil	13-Jan-26 14:00	15-Jan-26 09:19
S - 47	H260230-47	Soil	13-Jan-26 14:02	15-Jan-26 09:19
S - 48	H260230-48	Soil	13-Jan-26 14:04	15-Jan-26 09:19
B - 1	H260230-49	Soil	13-Jan-26 14:06	15-Jan-26 09:19
B - 2	H260230-50	Soil	13-Jan-26 14:08	15-Jan-26 09:19
B - 3	H260230-51	Soil	13-Jan-26 14:10	15-Jan-26 09:19
B - 4	H260230-52	Soil	13-Jan-26 14:12	15-Jan-26 09:19
B - 5	H260230-53	Soil	13-Jan-26 14:14	15-Jan-26 09:19
B - 6	H260230-54	Soil	13-Jan-26 14:16	15-Jan-26 09:19
B - 7	H260230-55	Soil	13-Jan-26 14:18	15-Jan-26 09:19
B - 8	H260230-56	Soil	13-Jan-26 14:20	15-Jan-26 09:19
B - 9	H260230-57	Soil	13-Jan-26 14:22	15-Jan-26 09:19

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 20-Jan-26 16:37
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B - 10	H260230-58	Soil	13-Jan-26 14:24	15-Jan-26 09:19
B - 11	H260230-59	Soil	13-Jan-26 14:26	15-Jan-26 09:19
B - 12	H260230-60	Soil	13-Jan-26 14:28	15-Jan-26 09:19
B - 13	H260230-61	Soil	13-Jan-26 14:30	15-Jan-26 09:19
B - 14	H260230-62	Soil	13-Jan-26 14:32	15-Jan-26 09:19
B - 15	H260230-63	Soil	13-Jan-26 14:34	15-Jan-26 09:19
B - 16	H260230-64	Soil	13-Jan-26 14:36	15-Jan-26 09:19
B - 17	H260230-65	Soil	13-Jan-26 14:38	15-Jan-26 09:19
B - 18	H260230-66	Soil	13-Jan-26 14:40	15-Jan-26 09:19
B - 19	H260230-67	Soil	13-Jan-26 14:42	15-Jan-26 09:19
B - 20	H260230-68	Soil	13-Jan-26 14:44	15-Jan-26 09:19
B - 21	H260230-69	Soil	13-Jan-26 14:46	15-Jan-26 09:19
B - 22	H260230-70	Soil	13-Jan-26 14:48	15-Jan-26 09:19
B - 23	H260230-71	Soil	13-Jan-26 14:50	15-Jan-26 09:19
B - 24	H260230-72	Soil	13-Jan-26 14:52	15-Jan-26 09:19
B - 25	H260230-73	Soil	13-Jan-26 14:54	15-Jan-26 09:19
B - 26	H260230-74	Soil	13-Jan-26 14:56	15-Jan-26 09:19
B - 27	H260230-75	Soil	13-Jan-26 14:58	15-Jan-26 09:19
B - 28	H260230-76	Soil	13-Jan-26 15:00	15-Jan-26 09:19
B - 29	H260230-77	Soil	13-Jan-26 15:02	15-Jan-26 09:19

CASE NARRATIVE:

Sample containers not provided by Cardinal Laboratories.

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 20-Jan-26 16:37
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S - 1

H260230-01 (Soil)

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

Inorganic Compounds

Chloride	2800		16.0	mg/kg	4	6011513	AC	15-Jan-26	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6011512	JH	17-Jan-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6011512	JH	17-Jan-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6011512	JH	17-Jan-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6011512	JH	17-Jan-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6011512	JH	17-Jan-26	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			111 %		70.4-141	6011512	JH	17-Jan-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6011523	MS	16-Jan-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6011523	MS	16-Jan-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6011523	MS	16-Jan-26	8015B	

Surrogate: 1-Chlorooctane			91.5 %		52.4-130	6011523	MS	16-Jan-26	8015B	
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Surrogate: 1-Chlorooctadecane			91.9 %		39.9-141	6011523	MS	16-Jan-26	8015B	
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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 20-Jan-26 16:37
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S - 2

H260230-02 (Soil)

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

Inorganic Compounds

Chloride	4800		16.0	mg/kg	4	6011513	AC	15-Jan-26	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6011512	JH	17-Jan-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6011512	JH	17-Jan-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6011512	JH	17-Jan-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6011512	JH	17-Jan-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6011512	JH	17-Jan-26	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			123 %	70.4-141		6011512	JH	17-Jan-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6011523	MS	16-Jan-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6011523	MS	16-Jan-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6011523	MS	16-Jan-26	8015B	

Surrogate: 1-Chlorooctane			97.7 %	52.4-130		6011523	MS	16-Jan-26	8015B	
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Surrogate: 1-Chlorooctadecane			98.4 %	39.9-141		6011523	MS	16-Jan-26	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 20-Jan-26 16:37
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S - 3

H260230-03 (Soil)

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

Inorganic Compounds

Chloride	2560		16.0	mg/kg	4	6011513	AC	15-Jan-26	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6011512	JH	17-Jan-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6011512	JH	17-Jan-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6011512	JH	17-Jan-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6011512	JH	17-Jan-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6011512	JH	17-Jan-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			114 %	70.4-141		6011512	JH	17-Jan-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6011523	MS	16-Jan-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6011523	MS	16-Jan-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6011523	MS	16-Jan-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			101 %	52.4-130		6011523	MS	16-Jan-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			103 %	39.9-141		6011523	MS	16-Jan-26	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 20-Jan-26 16:37
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S - 4

H260230-04 (Soil)

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

Inorganic Compounds

Chloride	64.0		16.0	mg/kg	4	6011513	AC	15-Jan-26	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6011512	JH	17-Jan-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6011512	JH	17-Jan-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6011512	JH	17-Jan-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6011512	JH	17-Jan-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6011512	JH	17-Jan-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			114 %	70.4-141		6011512	JH	17-Jan-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6011523	MS	16-Jan-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6011523	MS	16-Jan-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6011523	MS	16-Jan-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			86.6 %	52.4-130		6011523	MS	16-Jan-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			88.8 %	39.9-141		6011523	MS	16-Jan-26	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 20-Jan-26 16:37
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S - 5

H260230-05 (Soil)

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

Inorganic Compounds

Chloride	112		16.0	mg/kg	4	6011513	AC	15-Jan-26	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6011512	JH	17-Jan-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6011512	JH	17-Jan-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6011512	JH	17-Jan-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6011512	JH	17-Jan-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6011512	JH	17-Jan-26	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			116 %	70.4-141		6011512	JH	17-Jan-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6011523	MS	16-Jan-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6011523	MS	16-Jan-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6011523	MS	16-Jan-26	8015B	

Surrogate: 1-Chlorooctane			93.9 %	52.4-130		6011523	MS	16-Jan-26	8015B	
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Surrogate: 1-Chlorooctadecane			95.4 %	39.9-141		6011523	MS	16-Jan-26	8015B	
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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 20-Jan-26 16:37
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S - 6

H260230-06 (Soil)

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

Inorganic Compounds

Chloride	560		16.0	mg/kg	4	6011514	KH	15-Jan-26	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6011516	JH	17-Jan-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6011516	JH	17-Jan-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6011516	JH	17-Jan-26	8021B	QM-07
Total Xylenes*	<0.150		0.150	mg/kg	50	6011516	JH	17-Jan-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6011516	JH	17-Jan-26	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			109 %	70.4-141		6011516	JH	17-Jan-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6011523	MS	16-Jan-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6011523	MS	16-Jan-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6011523	MS	16-Jan-26	8015B	

Surrogate: 1-Chlorooctane			95.0 %	52.4-130		6011523	MS	16-Jan-26	8015B	
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Surrogate: 1-Chlorooctadecane			96.9 %	39.9-141		6011523	MS	16-Jan-26	8015B	
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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 20-Jan-26 16:37
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S - 7

H260230-07 (Soil)

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

Inorganic Compounds

Chloride	2380		16.0	mg/kg	4	6011514	KH	15-Jan-26	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6011516	JH	17-Jan-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6011516	JH	17-Jan-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6011516	JH	17-Jan-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6011516	JH	17-Jan-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6011516	JH	17-Jan-26	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			115 %	70.4-141		6011516	JH	17-Jan-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6011523	MS	16-Jan-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6011523	MS	16-Jan-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6011523	MS	16-Jan-26	8015B	

Surrogate: 1-Chlorooctane			74.1 %	52.4-130		6011523	MS	16-Jan-26	8015B	
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Surrogate: 1-Chlorooctadecane			75.4 %	39.9-141		6011523	MS	16-Jan-26	8015B	
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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 20-Jan-26 16:37
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S - 8

H260230-08 (Soil)

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

Inorganic Compounds

Chloride	224		16.0	mg/kg	4	6011514	KH	15-Jan-26	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6011516	JH	17-Jan-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6011516	JH	17-Jan-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6011516	JH	17-Jan-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6011516	JH	17-Jan-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6011516	JH	17-Jan-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			111 %	70.4-141		6011516	JH	17-Jan-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6011523	MS	16-Jan-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6011523	MS	16-Jan-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6011523	MS	16-Jan-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			94.7 %	52.4-130		6011523	MS	16-Jan-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			97.1 %	39.9-141		6011523	MS	16-Jan-26	8015B	
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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 20-Jan-26 16:37
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S - 9

H260230-09 (Soil)

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

Inorganic Compounds

Chloride	3960		16.0	mg/kg	4	6011514	KH	15-Jan-26	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6011516	JH	17-Jan-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6011516	JH	17-Jan-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6011516	JH	17-Jan-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6011516	JH	17-Jan-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6011516	JH	17-Jan-26	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			117 %	70.4-141		6011516	JH	17-Jan-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6011523	MS	16-Jan-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6011523	MS	16-Jan-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6011523	MS	16-Jan-26	8015B	

Surrogate: 1-Chlorooctane			78.2 %	52.4-130		6011523	MS	16-Jan-26	8015B	
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Surrogate: 1-Chlorooctadecane			79.4 %	39.9-141		6011523	MS	16-Jan-26	8015B	
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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 20-Jan-26 16:37
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S - 10

H260230-10 (Soil)

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

Inorganic Compounds

Chloride	2400		16.0	mg/kg	4	6011514	KH	15-Jan-26	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6011516	JH	17-Jan-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6011516	JH	17-Jan-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6011516	JH	17-Jan-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6011516	JH	17-Jan-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6011516	JH	17-Jan-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			118 %	70.4-141		6011516	JH	17-Jan-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6011523	MS	16-Jan-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6011523	MS	16-Jan-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6011523	MS	16-Jan-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			83.1 %	52.4-130		6011523	MS	16-Jan-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			84.7 %	39.9-141		6011523	MS	16-Jan-26	8015B	
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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 20-Jan-26 16:37
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S - 11

H260230-11 (Soil)

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

Inorganic Compounds

Chloride	1380		16.0	mg/kg	4	6011514	KH	15-Jan-26	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6011516	JH	17-Jan-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6011516	JH	17-Jan-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6011516	JH	17-Jan-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6011516	JH	17-Jan-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6011516	JH	17-Jan-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			115 %	70.4-141		6011516	JH	17-Jan-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6011523	MS	16-Jan-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6011523	MS	16-Jan-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6011523	MS	16-Jan-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			93.0 %	52.4-130		6011523	MS	16-Jan-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			95.1 %	39.9-141		6011523	MS	16-Jan-26	8015B	
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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 20-Jan-26 16:37
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S - 12

H260230-12 (Soil)

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

Inorganic Compounds

Chloride	1970		16.0	mg/kg	4	6011514	KH	15-Jan-26	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6011516	JH	17-Jan-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6011516	JH	17-Jan-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6011516	JH	17-Jan-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6011516	JH	17-Jan-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6011516	JH	17-Jan-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			113 %	70.4-141		6011516	JH	17-Jan-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6011523	MS	16-Jan-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6011523	MS	16-Jan-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6011523	MS	16-Jan-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			98.5 %	52.4-130		6011523	MS	16-Jan-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			100 %	39.9-141		6011523	MS	16-Jan-26	8015B	
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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 20-Jan-26 16:37
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S - 13

H260230-13 (Soil)

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

Inorganic Compounds

Chloride	2480		16.0	mg/kg	4	6011514	KH	15-Jan-26	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6011516	JH	17-Jan-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6011516	JH	17-Jan-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6011516	JH	17-Jan-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6011516	JH	17-Jan-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6011516	JH	17-Jan-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			119 %	70.4-141		6011516	JH	17-Jan-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6011634	JF	17-Jan-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6011634	JF	17-Jan-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6011634	JF	17-Jan-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			79.3 %	52.4-130		6011634	JF	17-Jan-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			79.8 %	39.9-141		6011634	JF	17-Jan-26	8015B	
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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 20-Jan-26 16:37
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S - 14

H260230-14 (Soil)

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

Inorganic Compounds

Chloride	1650		16.0	mg/kg	4	6011514	KH	15-Jan-26	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6011516	JH	17-Jan-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6011516	JH	17-Jan-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6011516	JH	17-Jan-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6011516	JH	17-Jan-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6011516	JH	17-Jan-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			118 %	70.4-141		6011516	JH	17-Jan-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6011524	MS	16-Jan-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6011524	MS	16-Jan-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6011524	MS	16-Jan-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			76.6 %	52.4-130		6011524	MS	16-Jan-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			66.5 %	39.9-141		6011524	MS	16-Jan-26	8015B	
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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 20-Jan-26 16:37
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S - 15

H260230-15 (Soil)

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

Inorganic Compounds

Chloride	1710		16.0	mg/kg	4	6011514	KH	15-Jan-26	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6011516	JH	17-Jan-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6011516	JH	17-Jan-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6011516	JH	17-Jan-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6011516	JH	17-Jan-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6011516	JH	17-Jan-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			113 %	70.4-141		6011516	JH	17-Jan-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6011524	MS	16-Jan-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6011524	MS	16-Jan-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6011524	MS	16-Jan-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			77.0 %	52.4-130		6011524	MS	16-Jan-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			66.3 %	39.9-141		6011524	MS	16-Jan-26	8015B	
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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 20-Jan-26 16:37
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S - 16

H260230-16 (Soil)

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

Inorganic Compounds

Chloride	2520		16.0	mg/kg	4	6011514	KH	15-Jan-26	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6011516	JH	17-Jan-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6011516	JH	17-Jan-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6011516	JH	17-Jan-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6011516	JH	17-Jan-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6011516	JH	17-Jan-26	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			112 %	70.4-141		6011516	JH	17-Jan-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6011524	MS	16-Jan-26	8015B	
DRO >C10-C28*	638		10.0	mg/kg	1	6011524	MS	16-Jan-26	8015B	
EXT DRO >C28-C36	346		10.0	mg/kg	1	6011524	MS	16-Jan-26	8015B	

Surrogate: 1-Chlorooctane			72.4 %	52.4-130		6011524	MS	16-Jan-26	8015B	
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Surrogate: 1-Chlorooctadecane			65.7 %	39.9-141		6011524	MS	16-Jan-26	8015B	
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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 20-Jan-26 16:37
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S - 17

H260230-17 (Soil)

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

Inorganic Compounds

Chloride	912		16.0	mg/kg	4	6011514	KH	15-Jan-26	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6011516	JH	17-Jan-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6011516	JH	17-Jan-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6011516	JH	17-Jan-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6011516	JH	17-Jan-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6011516	JH	17-Jan-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			112 %		70.4-141	6011516	JH	17-Jan-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6011524	MS	16-Jan-26	8015B	
DRO >C10-C28*	10.2		10.0	mg/kg	1	6011524	MS	16-Jan-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6011524	MS	16-Jan-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			78.0 %		52.4-130	6011524	MS	16-Jan-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			67.0 %		39.9-141	6011524	MS	16-Jan-26	8015B	
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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 20-Jan-26 16:37
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S - 18

H260230-18 (Soil)

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

Inorganic Compounds

Chloride	288		16.0	mg/kg	4	6011514	KH	15-Jan-26	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6011516	JH	17-Jan-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6011516	JH	17-Jan-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6011516	JH	17-Jan-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6011516	JH	17-Jan-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6011516	JH	17-Jan-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			110 %	70.4-141		6011516	JH	17-Jan-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6011524	MS	16-Jan-26	8015B	
DRO >C10-C28*	28.8		10.0	mg/kg	1	6011524	MS	16-Jan-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6011524	MS	16-Jan-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			86.2 %	52.4-130		6011524	MS	16-Jan-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			74.7 %	39.9-141		6011524	MS	16-Jan-26	8015B	
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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 20-Jan-26 16:37
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S - 19

H260230-19 (Soil)

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

Inorganic Compounds

Chloride	1440		16.0	mg/kg	4	6011514	KH	15-Jan-26	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6011516	JH	17-Jan-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6011516	JH	17-Jan-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6011516	JH	17-Jan-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6011516	JH	17-Jan-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6011516	JH	17-Jan-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			117 %	70.4-141		6011516	JH	17-Jan-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6011524	MS	16-Jan-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6011524	MS	16-Jan-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6011524	MS	16-Jan-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			68.8 %	52.4-130		6011524	MS	16-Jan-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			59.7 %	39.9-141		6011524	MS	16-Jan-26	8015B	
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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 20-Jan-26 16:37
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S - 20

H260230-20 (Soil)

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

Inorganic Compounds

Chloride	2800		16.0	mg/kg	4	6011514	KH	15-Jan-26	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6011516	JH	17-Jan-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6011516	JH	17-Jan-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6011516	JH	17-Jan-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6011516	JH	17-Jan-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6011516	JH	17-Jan-26	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			122 %	70.4-141		6011516	JH	17-Jan-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6011524	MS	16-Jan-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6011524	MS	16-Jan-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6011524	MS	16-Jan-26	8015B	

Surrogate: 1-Chlorooctane			86.1 %	52.4-130		6011524	MS	16-Jan-26	8015B	
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Surrogate: 1-Chlorooctadecane			75.0 %	39.9-141		6011524	MS	16-Jan-26	8015B	
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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 20-Jan-26 16:37
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S - 21

H260230-21 (Soil)

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

Inorganic Compounds

Chloride	1280		16.0	mg/kg	4	6011514	KH	15-Jan-26	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6011516	JH	17-Jan-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6011516	JH	17-Jan-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6011516	JH	17-Jan-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6011516	JH	17-Jan-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6011516	JH	17-Jan-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			117 %	70.4-141		6011516	JH	17-Jan-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6011524	MS	16-Jan-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6011524	MS	16-Jan-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6011524	MS	16-Jan-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			70.9 %	52.4-130		6011524	MS	16-Jan-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			61.1 %	39.9-141		6011524	MS	16-Jan-26	8015B	
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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 20-Jan-26 16:37
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S - 22

H260230-22 (Soil)

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

Inorganic Compounds

Chloride	976		16.0	mg/kg	4	6011514	KH	15-Jan-26	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6011516	JH	17-Jan-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6011516	JH	17-Jan-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6011516	JH	17-Jan-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6011516	JH	17-Jan-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6011516	JH	17-Jan-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			115 %	70.4-141		6011516	JH	17-Jan-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6011524	MS	16-Jan-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6011524	MS	16-Jan-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6011524	MS	16-Jan-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			73.2 %	52.4-130		6011524	MS	16-Jan-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			63.6 %	39.9-141		6011524	MS	16-Jan-26	8015B	
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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 20-Jan-26 16:37
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S - 23

H260230-23 (Soil)

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

Inorganic Compounds

Chloride	144		16.0	mg/kg	4	6011514	KH	15-Jan-26	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6011516	JH	17-Jan-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6011516	JH	17-Jan-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6011516	JH	17-Jan-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6011516	JH	17-Jan-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6011516	JH	17-Jan-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			118 %	70.4-141		6011516	JH	17-Jan-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6011524	MS	16-Jan-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6011524	MS	16-Jan-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6011524	MS	16-Jan-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			76.1 %	52.4-130		6011524	MS	16-Jan-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			65.8 %	39.9-141		6011524	MS	16-Jan-26	8015B	
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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 20-Jan-26 16:37
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S - 24

H260230-24 (Soil)

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

Inorganic Compounds

Chloride	96.0		16.0	mg/kg	4	6011514	KH	15-Jan-26	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6011516	JH	17-Jan-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6011516	JH	17-Jan-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6011516	JH	17-Jan-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6011516	JH	17-Jan-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6011516	JH	17-Jan-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			114 %	70.4-141		6011516	JH	17-Jan-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6011524	MS	16-Jan-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6011524	MS	16-Jan-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6011524	MS	16-Jan-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			65.1 %	52.4-130		6011524	MS	16-Jan-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			55.3 %	39.9-141		6011524	MS	16-Jan-26	8015B	
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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 20-Jan-26 16:37
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S - 25

H260230-25 (Soil)

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

Inorganic Compounds

Chloride	432		16.0	mg/kg	4	6011514	KH	15-Jan-26	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6011516	JH	17-Jan-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6011516	JH	17-Jan-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6011516	JH	17-Jan-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6011516	JH	17-Jan-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6011516	JH	17-Jan-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			118 %	70.4-141		6011516	JH	17-Jan-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6011524	MS	16-Jan-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6011524	MS	16-Jan-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6011524	MS	16-Jan-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			64.1 %	52.4-130		6011524	MS	16-Jan-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			55.3 %	39.9-141		6011524	MS	16-Jan-26	8015B	
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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 20-Jan-26 16:37
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S - 26

H260230-26 (Soil)

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

Inorganic Compounds

Chloride	5900		16.0	mg/kg	4	6011531	HM	15-Jan-26	4500-CI-B	QM-07
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6011517	JH	16-Jan-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6011517	JH	16-Jan-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6011517	JH	16-Jan-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6011517	JH	16-Jan-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6011517	JH	16-Jan-26	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 80.7 % 70.4-141 6011517 JH 16-Jan-26 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6011524	MS	16-Jan-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6011524	MS	16-Jan-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6011524	MS	16-Jan-26	8015B	

Surrogate: 1-Chlorooctane 68.3 % 52.4-130 6011524 MS 16-Jan-26 8015B

Surrogate: 1-Chlorooctadecane 59.2 % 39.9-141 6011524 MS 16-Jan-26 8015B

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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 20-Jan-26 16:37
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S - 27

H260230-27 (Soil)

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

Inorganic Compounds

Chloride	<16.0		16.0	mg/kg	4	6011531	HM	15-Jan-26	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6011517	JH	16-Jan-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6011517	JH	16-Jan-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6011517	JH	16-Jan-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6011517	JH	16-Jan-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6011517	JH	16-Jan-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			84.6 %		70.4-141	6011517	JH	16-Jan-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6011524	MS	16-Jan-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6011524	MS	16-Jan-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6011524	MS	16-Jan-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			80.6 %		52.4-130	6011524	MS	16-Jan-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			71.8 %		39.9-141	6011524	MS	16-Jan-26	8015B	
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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 20-Jan-26 16:37
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S - 28

H260230-28 (Soil)

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

Inorganic Compounds

Chloride	32.0		16.0	mg/kg	4	6011531	HM	15-Jan-26	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6011517	JH	16-Jan-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6011517	JH	16-Jan-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6011517	JH	16-Jan-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6011517	JH	16-Jan-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6011517	JH	16-Jan-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			80.5 %	70.4-141		6011517	JH	16-Jan-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6011524	MS	16-Jan-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6011524	MS	16-Jan-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6011524	MS	16-Jan-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			75.8 %	52.4-130		6011524	MS	16-Jan-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			64.9 %	39.9-141		6011524	MS	16-Jan-26	8015B	
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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 20-Jan-26 16:37
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S - 29

H260230-29 (Soil)

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

Inorganic Compounds

Chloride	<16.0		16.0	mg/kg	4	6011531	HM	15-Jan-26	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6011517	JH	16-Jan-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6011517	JH	16-Jan-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6011517	JH	16-Jan-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6011517	JH	16-Jan-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6011517	JH	16-Jan-26	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			81.0 %	70.4-141		6011517	JH	16-Jan-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6011524	MS	16-Jan-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6011524	MS	16-Jan-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6011524	MS	16-Jan-26	8015B	

Surrogate: 1-Chlorooctane			82.5 %	52.4-130		6011524	MS	16-Jan-26	8015B	
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Surrogate: 1-Chlorooctadecane			71.5 %	39.9-141		6011524	MS	16-Jan-26	8015B	
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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 20-Jan-26 16:37
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S - 30

H260230-30 (Soil)

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

Inorganic Compounds

Chloride	32.0		16.0	mg/kg	4	6011531	HM	15-Jan-26	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6011517	JH	16-Jan-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6011517	JH	16-Jan-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6011517	JH	16-Jan-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6011517	JH	16-Jan-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6011517	JH	16-Jan-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			80.8 %		70.4-141	6011517	JH	16-Jan-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6011524	MS	16-Jan-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6011524	MS	16-Jan-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6011524	MS	16-Jan-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			75.7 %		52.4-130	6011524	MS	16-Jan-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			65.1 %		39.9-141	6011524	MS	16-Jan-26	8015B	
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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 20-Jan-26 16:37
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S - 31

H260230-31 (Soil)

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

Inorganic Compounds

Chloride	912		16.0	mg/kg	4	6011531	HM	15-Jan-26	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6011517	JH	16-Jan-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6011517	JH	16-Jan-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6011517	JH	16-Jan-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6011517	JH	16-Jan-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6011517	JH	16-Jan-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			80.3 %		70.4-141	6011517	JH	16-Jan-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6011524	MS	16-Jan-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6011524	MS	16-Jan-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6011524	MS	16-Jan-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			86.8 %		52.4-130	6011524	MS	16-Jan-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			76.7 %		39.9-141	6011524	MS	16-Jan-26	8015B	
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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 20-Jan-26 16:37
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S - 32

H260230-32 (Soil)

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

Inorganic Compounds

Chloride	2800		16.0	mg/kg	4	6011531	HM	15-Jan-26	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6011517	JH	16-Jan-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6011517	JH	16-Jan-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6011517	JH	16-Jan-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6011517	JH	16-Jan-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6011517	JH	16-Jan-26	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			79.6 %	70.4-141		6011517	JH	16-Jan-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6011524	MS	16-Jan-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6011524	MS	16-Jan-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6011524	MS	16-Jan-26	8015B	

Surrogate: 1-Chlorooctane			75.9 %	52.4-130		6011524	MS	16-Jan-26	8015B	
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Surrogate: 1-Chlorooctadecane			65.4 %	39.9-141		6011524	MS	16-Jan-26	8015B	
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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 20-Jan-26 16:37
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S - 33

H260230-33 (Soil)

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

Inorganic Compounds

Chloride	992		16.0	mg/kg	4	6011531	HM	15-Jan-26	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6011517	JH	16-Jan-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6011517	JH	16-Jan-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6011517	JH	16-Jan-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6011517	JH	16-Jan-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6011517	JH	16-Jan-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			79.5 %		70.4-141	6011517	JH	16-Jan-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6011524	MS	16-Jan-26	8015B	
DRO >C10-C28*	38.0		10.0	mg/kg	1	6011524	MS	16-Jan-26	8015B	
EXT DRO >C28-C36	14.5		10.0	mg/kg	1	6011524	MS	16-Jan-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			82.2 %		52.4-130	6011524	MS	16-Jan-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			73.4 %		39.9-141	6011524	MS	16-Jan-26	8015B	
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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 20-Jan-26 16:37
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S - 34

H260230-34 (Soil)

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

Inorganic Compounds

Chloride	1760		16.0	mg/kg	4	6011531	HM	15-Jan-26	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6011517	JH	16-Jan-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6011517	JH	16-Jan-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6011517	JH	16-Jan-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6011517	JH	16-Jan-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6011517	JH	16-Jan-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			79.7 %	70.4-141		6011517	JH	16-Jan-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6011525	JF	16-Jan-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6011525	JF	16-Jan-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6011525	JF	16-Jan-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			99.1 %	52.4-130		6011525	JF	16-Jan-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			97.4 %	39.9-141		6011525	JF	16-Jan-26	8015B	
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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 20-Jan-26 16:37
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S - 35

H260230-35 (Soil)

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

Inorganic Compounds

Chloride	2450		16.0	mg/kg	4	6011531	HM	15-Jan-26	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6011517	JH	16-Jan-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6011517	JH	16-Jan-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6011517	JH	16-Jan-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6011517	JH	16-Jan-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6011517	JH	16-Jan-26	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			80.8 %		70.4-141	6011517	JH	16-Jan-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6011525	JF	16-Jan-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6011525	JF	16-Jan-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6011525	JF	16-Jan-26	8015B	

Surrogate: 1-Chlorooctane			87.2 %		52.4-130	6011525	JF	16-Jan-26	8015B	
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Surrogate: 1-Chlorooctadecane			83.2 %		39.9-141	6011525	JF	16-Jan-26	8015B	
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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 20-Jan-26 16:37
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S - 36

H260230-36 (Soil)

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

Inorganic Compounds

Chloride	1180		16.0	mg/kg	4	6011531	HM	15-Jan-26	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6011517	JH	16-Jan-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6011517	JH	16-Jan-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6011517	JH	16-Jan-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6011517	JH	16-Jan-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6011517	JH	16-Jan-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			78.2 %		70.4-141	6011517	JH	16-Jan-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6011525	JF	16-Jan-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6011525	JF	16-Jan-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6011525	JF	16-Jan-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			104 %		52.4-130	6011525	JF	16-Jan-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			97.3 %		39.9-141	6011525	JF	16-Jan-26	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 20-Jan-26 16:37
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S - 37

H260230-37 (Soil)

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

Inorganic Compounds

Chloride	3520		16.0	mg/kg	4	6011531	HM	15-Jan-26	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6011517	JH	16-Jan-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6011517	JH	16-Jan-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6011517	JH	16-Jan-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6011517	JH	16-Jan-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6011517	JH	16-Jan-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			79.6 %		70.4-141	6011517	JH	16-Jan-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6011525	JF	16-Jan-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6011525	JF	16-Jan-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6011525	JF	16-Jan-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			92.2 %		52.4-130	6011525	JF	16-Jan-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			88.1 %		39.9-141	6011525	JF	16-Jan-26	8015B	
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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 20-Jan-26 16:37
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S - 38

H260230-38 (Soil)

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

Inorganic Compounds

Chloride	7330		16.0	mg/kg	4	6011531	HM	15-Jan-26	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6011517	JH	16-Jan-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6011517	JH	16-Jan-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6011517	JH	16-Jan-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6011517	JH	16-Jan-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6011517	JH	16-Jan-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			79.2 %	70.4-141		6011517	JH	16-Jan-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6011525	JF	16-Jan-26	8015B	
DRO >C10-C28*	87.7		10.0	mg/kg	1	6011525	JF	16-Jan-26	8015B	
EXT DRO >C28-C36	56.8		10.0	mg/kg	1	6011525	JF	16-Jan-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			106 %	52.4-130		6011525	JF	16-Jan-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			103 %	39.9-141		6011525	JF	16-Jan-26	8015B	
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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 20-Jan-26 16:37
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S - 39

H260230-39 (Soil)

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

Inorganic Compounds

Chloride	3000		16.0	mg/kg	4	6011531	HM	15-Jan-26	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6011517	JH	16-Jan-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6011517	JH	16-Jan-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6011517	JH	16-Jan-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6011517	JH	16-Jan-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6011517	JH	16-Jan-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			79.8 %		70.4-141	6011517	JH	16-Jan-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6011525	JF	16-Jan-26	8015B	
DRO >C10-C28*	27.6		10.0	mg/kg	1	6011525	JF	16-Jan-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6011525	JF	16-Jan-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			96.0 %		52.4-130	6011525	JF	16-Jan-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			93.2 %		39.9-141	6011525	JF	16-Jan-26	8015B	
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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 20-Jan-26 16:37
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S - 40

H260230-40 (Soil)

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

Inorganic Compounds

Chloride	3600		16.0	mg/kg	4	6011531	HM	15-Jan-26	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6011517	JH	16-Jan-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6011517	JH	16-Jan-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6011517	JH	16-Jan-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6011517	JH	16-Jan-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6011517	JH	16-Jan-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			78.0 %		70.4-141	6011517	JH	16-Jan-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6011525	JF	16-Jan-26	8015B	
DRO >C10-C28*	72.0		10.0	mg/kg	1	6011525	JF	16-Jan-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6011525	JF	16-Jan-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			91.3 %		52.4-130	6011525	JF	16-Jan-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			95.1 %		39.9-141	6011525	JF	16-Jan-26	8015B	
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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 20-Jan-26 16:37
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S - 41

H260230-41 (Soil)

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

Inorganic Compounds

Chloride	1800		16.0	mg/kg	4	6011531	HM	15-Jan-26	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6011517	JH	17-Jan-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6011517	JH	17-Jan-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6011517	JH	17-Jan-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6011517	JH	17-Jan-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6011517	JH	17-Jan-26	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			82.7 %	70.4-141		6011517	JH	17-Jan-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6011525	JF	16-Jan-26	8015B	
DRO >C10-C28*	32.5		10.0	mg/kg	1	6011525	JF	16-Jan-26	8015B	
EXT DRO >C28-C36	18.5		10.0	mg/kg	1	6011525	JF	16-Jan-26	8015B	

Surrogate: 1-Chlorooctane			110 %	52.4-130		6011525	JF	16-Jan-26	8015B	
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Surrogate: 1-Chlorooctadecane			108 %	39.9-141		6011525	JF	16-Jan-26	8015B	
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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 20-Jan-26 16:37
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S - 42

H260230-42 (Soil)

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

Inorganic Compounds

Chloride	5900		16.0	mg/kg	4	6011531	HM	15-Jan-26	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6011517	JH	17-Jan-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6011517	JH	17-Jan-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6011517	JH	17-Jan-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6011517	JH	17-Jan-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6011517	JH	17-Jan-26	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			75.7 %		70.4-141	6011517	JH	17-Jan-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6011525	JF	16-Jan-26	8015B	
DRO >C10-C28*	12.1		10.0	mg/kg	1	6011525	JF	16-Jan-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6011525	JF	16-Jan-26	8015B	

Surrogate: 1-Chlorooctane			114 %		52.4-130	6011525	JF	16-Jan-26	8015B	
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Surrogate: 1-Chlorooctadecane			115 %		39.9-141	6011525	JF	16-Jan-26	8015B	
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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 20-Jan-26 16:37
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S - 43

H260230-43 (Soil)

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

Inorganic Compounds

Chloride	11200		16.0	mg/kg	4	6011531	HM	15-Jan-26	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6011517	JH	17-Jan-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6011517	JH	17-Jan-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6011517	JH	17-Jan-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6011517	JH	17-Jan-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6011517	JH	17-Jan-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			78.3 %		70.4-141	6011517	JH	17-Jan-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6011525	JF	16-Jan-26	8015B	
DRO >C10-C28*	11.9		10.0	mg/kg	1	6011525	JF	16-Jan-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6011525	JF	16-Jan-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			100 %		52.4-130	6011525	JF	16-Jan-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			102 %		39.9-141	6011525	JF	16-Jan-26	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 20-Jan-26 16:37
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S - 44

H260230-44 (Soil)

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

Inorganic Compounds

Chloride	2960		16.0	mg/kg	4	6011531	HM	15-Jan-26	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6011517	JH	17-Jan-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6011517	JH	17-Jan-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6011517	JH	17-Jan-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6011517	JH	17-Jan-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6011517	JH	17-Jan-26	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			78.7 %	70.4-141		6011517	JH	17-Jan-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6011525	JF	16-Jan-26	8015B	
DRO >C10-C28*	870		10.0	mg/kg	1	6011525	JF	16-Jan-26	8015B	
EXT DRO >C28-C36	215		10.0	mg/kg	1	6011525	JF	16-Jan-26	8015B	

Surrogate: 1-Chlorooctane			87.1 %	52.4-130		6011525	JF	16-Jan-26	8015B	
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Surrogate: 1-Chlorooctadecane			126 %	39.9-141		6011525	JF	16-Jan-26	8015B	
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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 20-Jan-26 16:37
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S - 45

H260230-45 (Soil)

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

Inorganic Compounds

Chloride	2680		16.0	mg/kg	4	6011531	HM	15-Jan-26	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6011517	JH	17-Jan-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6011517	JH	17-Jan-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6011517	JH	17-Jan-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6011517	JH	17-Jan-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6011517	JH	17-Jan-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			75.4 %		70.4-141	6011517	JH	17-Jan-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6011525	JF	16-Jan-26	8015B	
DRO >C10-C28*	25.8		10.0	mg/kg	1	6011525	JF	16-Jan-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6011525	JF	16-Jan-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			96.8 %		52.4-130	6011525	JF	16-Jan-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			97.2 %		39.9-141	6011525	JF	16-Jan-26	8015B	
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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 20-Jan-26 16:37
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S - 46

H260230-46 (Soil)

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

Inorganic Compounds

Chloride	1580		16.0	mg/kg	4	6011532	AC	16-Jan-26	4500-Cl-B	QM-07
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6011518	JH	17-Jan-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6011518	JH	17-Jan-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6011518	JH	17-Jan-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6011518	JH	17-Jan-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6011518	JH	17-Jan-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			75.9 %			70.4-141	6011518	JH	17-Jan-26	8021B
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6011525	JF	16-Jan-26	8015B	
DRO >C10-C28*	101		10.0	mg/kg	1	6011525	JF	16-Jan-26	8015B	
EXT DRO >C28-C36	50.9		10.0	mg/kg	1	6011525	JF	16-Jan-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			95.1 %			52.4-130	6011525	JF	16-Jan-26	8015B
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<i>Surrogate: 1-Chlorooctadecane</i>			96.3 %			39.9-141	6011525	JF	16-Jan-26	8015B
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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 20-Jan-26 16:37
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S - 47

H260230-47 (Soil)

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

Inorganic Compounds

Chloride	3520		16.0	mg/kg	4	6011532	AC	16-Jan-26	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6011518	JH	17-Jan-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6011518	JH	17-Jan-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6011518	JH	17-Jan-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6011518	JH	17-Jan-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6011518	JH	17-Jan-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			80.0 %		70.4-141	6011518	JH	17-Jan-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6011525	JF	16-Jan-26	8015B	
DRO >C10-C28*	117		10.0	mg/kg	1	6011525	JF	16-Jan-26	8015B	
EXT DRO >C28-C36	45.1		10.0	mg/kg	1	6011525	JF	16-Jan-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			99.4 %		52.4-130	6011525	JF	16-Jan-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			99.7 %		39.9-141	6011525	JF	16-Jan-26	8015B	
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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 20-Jan-26 16:37
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S - 48
H260230-48 (Soil)

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

Inorganic Compounds

Chloride	2680		16.0	mg/kg	4	6011532	AC	16-Jan-26	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6011518	JH	17-Jan-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6011518	JH	17-Jan-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6011518	JH	17-Jan-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6011518	JH	17-Jan-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6011518	JH	17-Jan-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			77.2 %			70.4-141	6011518	JH	17-Jan-26	8021B
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6011525	JF	16-Jan-26	8015B	
DRO >C10-C28*	34.2		10.0	mg/kg	1	6011525	JF	16-Jan-26	8015B	
EXT DRO >C28-C36	23.7		10.0	mg/kg	1	6011525	JF	16-Jan-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			94.0 %			52.4-130	6011525	JF	16-Jan-26	8015B
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<i>Surrogate: 1-Chlorooctadecane</i>			94.5 %			39.9-141	6011525	JF	16-Jan-26	8015B
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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 20-Jan-26 16:37
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B - 1

H260230-49 (Soil)

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

Inorganic Compounds

Chloride	2770		16.0	mg/kg	4	6011532	AC	16-Jan-26	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6011518	JH	17-Jan-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6011518	JH	17-Jan-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6011518	JH	17-Jan-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6011518	JH	17-Jan-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6011518	JH	17-Jan-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			78.1 %		70.4-141	6011518	JH	17-Jan-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6011525	JF	16-Jan-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6011525	JF	16-Jan-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6011525	JF	16-Jan-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			84.2 %		52.4-130	6011525	JF	16-Jan-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			81.5 %		39.9-141	6011525	JF	16-Jan-26	8015B	
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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 20-Jan-26 16:37
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B - 2

H260230-50 (Soil)

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

Inorganic Compounds

Chloride	4360		16.0	mg/kg	4	6011532	AC	16-Jan-26	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6011518	JH	17-Jan-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6011518	JH	17-Jan-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6011518	JH	17-Jan-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6011518	JH	17-Jan-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6011518	JH	17-Jan-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			78.3 %			70.4-141	6011518	JH	17-Jan-26	8021B
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6011525	JF	16-Jan-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6011525	JF	16-Jan-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6011525	JF	16-Jan-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			78.4 %			52.4-130	6011525	JF	16-Jan-26	8015B
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<i>Surrogate: 1-Chlorooctadecane</i>			74.8 %			39.9-141	6011525	JF	16-Jan-26	8015B
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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 20-Jan-26 16:37
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B - 3

H260230-51 (Soil)

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

Inorganic Compounds

Chloride	1100		16.0	mg/kg	4	6011532	AC	16-Jan-26	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6011518	JH	17-Jan-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6011518	JH	17-Jan-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6011518	JH	17-Jan-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6011518	JH	17-Jan-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6011518	JH	17-Jan-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			75.8 %			70.4-141	6011518	JH	17-Jan-26	8021B
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6011525	JF	16-Jan-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6011525	JF	16-Jan-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6011525	JF	16-Jan-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			87.0 %			52.4-130	6011525	JF	16-Jan-26	8015B
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<i>Surrogate: 1-Chlorooctadecane</i>			82.4 %			39.9-141	6011525	JF	16-Jan-26	8015B
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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 20-Jan-26 16:37
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B - 4

H260230-52 (Soil)

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

Inorganic Compounds

Chloride	3040		16.0	mg/kg	4	6011532	AC	16-Jan-26	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6011518	JH	17-Jan-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6011518	JH	17-Jan-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6011518	JH	17-Jan-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6011518	JH	17-Jan-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6011518	JH	17-Jan-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			71.7 %		70.4-141	6011518	JH	17-Jan-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6011525	JF	16-Jan-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6011525	JF	16-Jan-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6011525	JF	16-Jan-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			93.3 %		52.4-130	6011525	JF	16-Jan-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			89.3 %		39.9-141	6011525	JF	16-Jan-26	8015B	
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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 20-Jan-26 16:37
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B - 5

H260230-53 (Soil)

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

Inorganic Compounds

Chloride	2060		16.0	mg/kg	4	6011532	AC	16-Jan-26	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6011518	JH	17-Jan-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6011518	JH	17-Jan-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6011518	JH	17-Jan-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6011518	JH	17-Jan-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6011518	JH	17-Jan-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			78.3 %		70.4-141	6011518	JH	17-Jan-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6011634	JF	17-Jan-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6011634	JF	17-Jan-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6011634	JF	17-Jan-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			93.8 %		52.4-130	6011634	JF	17-Jan-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			97.1 %		39.9-141	6011634	JF	17-Jan-26	8015B	
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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 20-Jan-26 16:37
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B - 6

H260230-54 (Soil)

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

Inorganic Compounds

Chloride	3200		16.0	mg/kg	4	6011532	AC	16-Jan-26	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6011518	JH	17-Jan-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6011518	JH	17-Jan-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6011518	JH	17-Jan-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6011518	JH	17-Jan-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6011518	JH	17-Jan-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			77.8 %		70.4-141	6011518	JH	17-Jan-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6011526	JF	16-Jan-26	8015B	
DRO >C10-C28*	398		10.0	mg/kg	1	6011526	JF	16-Jan-26	8015B	
EXT DRO >C28-C36	209		10.0	mg/kg	1	6011526	JF	16-Jan-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			89.8 %		52.4-130	6011526	JF	16-Jan-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			115 %		39.9-141	6011526	JF	16-Jan-26	8015B	
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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 20-Jan-26 16:37
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B - 7

H260230-55 (Soil)

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

Inorganic Compounds

Chloride	3600		16.0	mg/kg	4	6011532	AC	16-Jan-26	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6011518	JH	17-Jan-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6011518	JH	17-Jan-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6011518	JH	17-Jan-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6011518	JH	17-Jan-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6011518	JH	17-Jan-26	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			77.1 %	70.4-141		6011518	JH	17-Jan-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6011526	JF	16-Jan-26	8015B	
DRO >C10-C28*	309		10.0	mg/kg	1	6011526	JF	16-Jan-26	8015B	
EXT DRO >C28-C36	172		10.0	mg/kg	1	6011526	JF	16-Jan-26	8015B	

Surrogate: 1-Chlorooctane			84.1 %	52.4-130		6011526	JF	16-Jan-26	8015B	
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Surrogate: 1-Chlorooctadecane			106 %	39.9-141		6011526	JF	16-Jan-26	8015B	
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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 20-Jan-26 16:37
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B - 8

H260230-56 (Soil)

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

Inorganic Compounds

Chloride	5200		16.0	mg/kg	4	6011532	AC	16-Jan-26	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6011518	JH	17-Jan-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6011518	JH	17-Jan-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6011518	JH	17-Jan-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6011518	JH	17-Jan-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6011518	JH	17-Jan-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			78.6 %		70.4-141	6011518	JH	17-Jan-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6011526	JF	16-Jan-26	8015B	
DRO >C10-C28*	23.4		10.0	mg/kg	1	6011526	JF	16-Jan-26	8015B	
EXT DRO >C28-C36	12.4		10.0	mg/kg	1	6011526	JF	16-Jan-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			82.1 %		52.4-130	6011526	JF	16-Jan-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			98.0 %		39.9-141	6011526	JF	16-Jan-26	8015B	
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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 20-Jan-26 16:37
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B - 9

H260230-57 (Soil)

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

Inorganic Compounds

Chloride	3160		16.0	mg/kg	4	6011532	AC	16-Jan-26	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6011518	JH	17-Jan-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6011518	JH	17-Jan-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6011518	JH	17-Jan-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6011518	JH	17-Jan-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6011518	JH	17-Jan-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			79.2 %		70.4-141	6011518	JH	17-Jan-26	8021B	
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Petroleum Hydrocarbons by GC FID

S-04

GRO C6-C10*	<10.0		10.0	mg/kg	1	6011526	JF	16-Jan-26	8015B	
DRO >C10-C28*	2690		10.0	mg/kg	1	6011526	JF	16-Jan-26	8015B	
EXT DRO >C28-C36	1470		10.0	mg/kg	1	6011526	JF	16-Jan-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			101 %		52.4-130	6011526	JF	16-Jan-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			154 %		39.9-141	6011526	JF	16-Jan-26	8015B	
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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 20-Jan-26 16:37
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**B - 10
H260230-58 (Soil)**

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

Inorganic Compounds

Chloride	1180		16.0	mg/kg	4	6011532	AC	16-Jan-26	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6011518	JH	17-Jan-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6011518	JH	17-Jan-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6011518	JH	17-Jan-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6011518	JH	17-Jan-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6011518	JH	17-Jan-26	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			76.3 %	70.4-141		6011518	JH	17-Jan-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6011526	JF	16-Jan-26	8015B	
DRO >C10-C28*	623		10.0	mg/kg	1	6011526	JF	16-Jan-26	8015B	
EXT DRO >C28-C36	393		10.0	mg/kg	1	6011526	JF	16-Jan-26	8015B	

Surrogate: 1-Chlorooctane			94.2 %	52.4-130		6011526	JF	16-Jan-26	8015B	
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Surrogate: 1-Chlorooctadecane			120 %	39.9-141		6011526	JF	16-Jan-26	8015B	
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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 20-Jan-26 16:37
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B - 11
H260230-59 (Soil)

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

Inorganic Compounds

Chloride	5880		16.0	mg/kg	4	6011532	AC	16-Jan-26	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6011518	JH	17-Jan-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6011518	JH	17-Jan-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6011518	JH	17-Jan-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6011518	JH	17-Jan-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6011518	JH	17-Jan-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			76.7 %		70.4-141	6011518	JH	17-Jan-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6011526	JF	16-Jan-26	8015B	
DRO >C10-C28*	356		10.0	mg/kg	1	6011526	JF	16-Jan-26	8015B	
EXT DRO >C28-C36	218		10.0	mg/kg	1	6011526	JF	16-Jan-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			111 %		52.4-130	6011526	JF	16-Jan-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			140 %		39.9-141	6011526	JF	16-Jan-26	8015B	
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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 20-Jan-26 16:37
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B - 12
H260230-60 (Soil)

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

Inorganic Compounds

Chloride	928		16.0	mg/kg	4	6011532	AC	16-Jan-26	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6011518	JH	17-Jan-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6011518	JH	17-Jan-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6011518	JH	17-Jan-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6011518	JH	17-Jan-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6011518	JH	17-Jan-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			76.7 %		70.4-141	6011518	JH	17-Jan-26	8021B	
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Petroleum Hydrocarbons by GC FID

S-04

GRO C6-C10*	<10.0		10.0	mg/kg	1	6011526	JF	16-Jan-26	8015B	
DRO >C10-C28*	1350		10.0	mg/kg	1	6011526	JF	16-Jan-26	8015B	
EXT DRO >C28-C36	818		10.0	mg/kg	1	6011526	JF	16-Jan-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			112 %		52.4-130	6011526	JF	16-Jan-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			154 %		39.9-141	6011526	JF	16-Jan-26	8015B	
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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 20-Jan-26 16:37
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B - 13
H260230-61 (Soil)

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

Inorganic Compounds

Chloride	432		16.0	mg/kg	4	6011532	AC	16-Jan-26	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6011518	JH	17-Jan-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6011518	JH	17-Jan-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6011518	JH	17-Jan-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6011518	JH	17-Jan-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6011518	JH	17-Jan-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			76.2 %		70.4-141	6011518	JH	17-Jan-26	8021B	
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Petroleum Hydrocarbons by GC FID

S-04

GRO C6-C10*	<10.0		10.0	mg/kg	1	6011526	JF	16-Jan-26	8015B	
DRO >C10-C28*	784		10.0	mg/kg	1	6011526	JF	16-Jan-26	8015B	
EXT DRO >C28-C36	490		10.0	mg/kg	1	6011526	JF	16-Jan-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			117 %		52.4-130	6011526	JF	16-Jan-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			154 %		39.9-141	6011526	JF	16-Jan-26	8015B	
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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 20-Jan-26 16:37
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B - 14
H260230-62 (Soil)

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

Inorganic Compounds

Chloride	1630		16.0	mg/kg	4	6011532	AC	16-Jan-26	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6011518	JH	17-Jan-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6011518	JH	17-Jan-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6011518	JH	17-Jan-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6011518	JH	17-Jan-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6011518	JH	17-Jan-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			76.2 %		70.4-141	6011518	JH	17-Jan-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6011526	JF	16-Jan-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6011526	JF	16-Jan-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6011526	JF	16-Jan-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			104 %		52.4-130	6011526	JF	16-Jan-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			125 %		39.9-141	6011526	JF	16-Jan-26	8015B	
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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 20-Jan-26 16:37
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B - 15
H260230-63 (Soil)

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

Inorganic Compounds

Chloride	1630		16.0	mg/kg	4	6011532	AC	16-Jan-26	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6011518	JH	17-Jan-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6011518	JH	17-Jan-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6011518	JH	17-Jan-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6011518	JH	17-Jan-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6011518	JH	17-Jan-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			77.3 %		70.4-141	6011518	JH	17-Jan-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6011526	JF	16-Jan-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6011526	JF	16-Jan-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6011526	JF	16-Jan-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			112 %		52.4-130	6011526	JF	16-Jan-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			135 %		39.9-141	6011526	JF	16-Jan-26	8015B	
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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 20-Jan-26 16:37
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B - 16
H260230-64 (Soil)

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

Inorganic Compounds

Chloride	4080		16.0	mg/kg	4	6011532	AC	16-Jan-26	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6011518	JH	17-Jan-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6011518	JH	17-Jan-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6011518	JH	17-Jan-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6011518	JH	17-Jan-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6011518	JH	17-Jan-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			76.8 %		70.4-141	6011518	JH	17-Jan-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6011526	JF	16-Jan-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6011526	JF	16-Jan-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6011526	JF	16-Jan-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			88.2 %		52.4-130	6011526	JF	16-Jan-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			105 %		39.9-141	6011526	JF	16-Jan-26	8015B	
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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 20-Jan-26 16:37
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**B - 17
H260230-65 (Soil)**

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

Inorganic Compounds

Chloride	3520		16.0	mg/kg	4	6011532	AC	16-Jan-26	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6011518	JH	17-Jan-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6011518	JH	17-Jan-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6011518	JH	17-Jan-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6011518	JH	17-Jan-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6011518	JH	17-Jan-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			77.3 %		70.4-141	6011518	JH	17-Jan-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6011526	JF	16-Jan-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6011526	JF	16-Jan-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6011526	JF	16-Jan-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			103 %		52.4-130	6011526	JF	16-Jan-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			123 %		39.9-141	6011526	JF	16-Jan-26	8015B	
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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 20-Jan-26 16:37
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B - 18
H260230-66 (Soil)

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

Inorganic Compounds

Chloride	2960		16.0	mg/kg	4	6011533	KH	16-Jan-26	4500-Cl-B	QM-07
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6011537	JH	17-Jan-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6011537	JH	17-Jan-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6011537	JH	17-Jan-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6011537	JH	17-Jan-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6011537	JH	17-Jan-26	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 96.5 % 70.4-141 6011537 JH 17-Jan-26 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6011526	JF	16-Jan-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6011526	JF	16-Jan-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6011526	JF	16-Jan-26	8015B	

Surrogate: 1-Chlorooctane 114 % 52.4-130 6011526 JF 16-Jan-26 8015B

Surrogate: 1-Chlorooctadecane 137 % 39.9-141 6011526 JF 16-Jan-26 8015B

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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 20-Jan-26 16:37
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B - 19
H260230-67 (Soil)

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

Inorganic Compounds

Chloride	3880		16.0	mg/kg	4	6011533	KH	16-Jan-26	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6011537	JH	17-Jan-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6011537	JH	17-Jan-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6011537	JH	17-Jan-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6011537	JH	17-Jan-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6011537	JH	17-Jan-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			97.2 %		70.4-141	6011537	JH	17-Jan-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6011526	JF	16-Jan-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6011526	JF	16-Jan-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6011526	JF	16-Jan-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			112 %		52.4-130	6011526	JF	16-Jan-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			135 %		39.9-141	6011526	JF	16-Jan-26	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 20-Jan-26 16:37
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B - 20
H260230-68 (Soil)

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

Inorganic Compounds

Chloride	3560		16.0	mg/kg	4	6011533	KH	16-Jan-26	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6011537	JH	17-Jan-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6011537	JH	17-Jan-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6011537	JH	17-Jan-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6011537	JH	17-Jan-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6011537	JH	17-Jan-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			96.6 %		70.4-141	6011537	JH	17-Jan-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6011526	JF	16-Jan-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6011526	JF	16-Jan-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6011526	JF	16-Jan-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			117 %		52.4-130	6011526	JF	16-Jan-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			141 %		39.9-141	6011526	JF	16-Jan-26	8015B	
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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 20-Jan-26 16:37
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**B - 21
H260230-69 (Soil)**

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

Inorganic Compounds

Chloride	3040		16.0	mg/kg	4	6011533	KH	16-Jan-26	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6011537	JH	17-Jan-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6011537	JH	17-Jan-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6011537	JH	17-Jan-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6011537	JH	17-Jan-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6011537	JH	17-Jan-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			97.2 %		70.4-141	6011537	JH	17-Jan-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6011526	JF	16-Jan-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6011526	JF	16-Jan-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6011526	JF	16-Jan-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			111 %		52.4-130	6011526	JF	16-Jan-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			133 %		39.9-141	6011526	JF	16-Jan-26	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 20-Jan-26 16:37
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B - 22
H260230-70 (Soil)

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

Inorganic Compounds

Chloride	2880		16.0	mg/kg	4	6011533	KH	16-Jan-26	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6011537	JH	17-Jan-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6011537	JH	17-Jan-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6011537	JH	17-Jan-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6011537	JH	17-Jan-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6011537	JH	17-Jan-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			96.9 %		70.4-141	6011537	JH	17-Jan-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6011526	JF	16-Jan-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6011526	JF	16-Jan-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6011526	JF	16-Jan-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			117 %		52.4-130	6011526	JF	16-Jan-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			140 %		39.9-141	6011526	JF	16-Jan-26	8015B	
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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 20-Jan-26 16:37
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B - 23
H260230-71 (Soil)

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

Inorganic Compounds

Chloride	1490		16.0	mg/kg	4	6011533	KH	16-Jan-26	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6011537	JH	17-Jan-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6011537	JH	17-Jan-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6011537	JH	17-Jan-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6011537	JH	17-Jan-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6011537	JH	17-Jan-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			96.5 %	70.4-141		6011537	JH	17-Jan-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6011526	JF	16-Jan-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6011526	JF	16-Jan-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6011526	JF	16-Jan-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			108 %	52.4-130		6011526	JF	16-Jan-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			129 %	39.9-141		6011526	JF	16-Jan-26	8015B	
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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 20-Jan-26 16:37
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B - 24
H260230-72 (Soil)

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

Inorganic Compounds

Chloride	3880		16.0	mg/kg	4	6011533	KH	16-Jan-26	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6011537	JH	17-Jan-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6011537	JH	17-Jan-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6011537	JH	17-Jan-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6011537	JH	17-Jan-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6011537	JH	17-Jan-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			97.2 %		70.4-141	6011537	JH	17-Jan-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6011526	JF	16-Jan-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6011526	JF	16-Jan-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6011526	JF	16-Jan-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			114 %		52.4-130	6011526	JF	16-Jan-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			137 %		39.9-141	6011526	JF	16-Jan-26	8015B	
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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 20-Jan-26 16:37
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B - 25
H260230-73 (Soil)

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

Inorganic Compounds

Chloride	2880		16.0	mg/kg	4	6011533	KH	16-Jan-26	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6011537	JH	17-Jan-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6011537	JH	17-Jan-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6011537	JH	17-Jan-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6011537	JH	17-Jan-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6011537	JH	17-Jan-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			96.7 %	70.4-141		6011537	JH	17-Jan-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6011526	JF	16-Jan-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6011526	JF	16-Jan-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6011526	JF	16-Jan-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			116 %	52.4-130		6011526	JF	16-Jan-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			139 %	39.9-141		6011526	JF	16-Jan-26	8015B	
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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 20-Jan-26 16:37
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B - 26
H260230-74 (Soil)

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

Inorganic Compounds

Chloride	448		16.0	mg/kg	4	6011533	KH	16-Jan-26	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6011537	JH	17-Jan-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6011537	JH	17-Jan-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6011537	JH	17-Jan-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6011537	JH	17-Jan-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6011537	JH	17-Jan-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			97.1 %		70.4-141	6011537	JH	17-Jan-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6011527	JF	16-Jan-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6011527	JF	16-Jan-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6011527	JF	16-Jan-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			65.2 %		52.4-130	6011527	JF	16-Jan-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			67.9 %		39.9-141	6011527	JF	16-Jan-26	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 20-Jan-26 16:37
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B - 27
H260230-75 (Soil)

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

Inorganic Compounds

Chloride	1330		16.0	mg/kg	4	6011533	KH	16-Jan-26	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6011537	JH	17-Jan-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6011537	JH	17-Jan-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6011537	JH	17-Jan-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6011537	JH	17-Jan-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6011537	JH	17-Jan-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			97.6 %	70.4-141		6011537	JH	17-Jan-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6011527	JF	16-Jan-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6011527	JF	16-Jan-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6011527	JF	16-Jan-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			83.3 %	52.4-130		6011527	JF	16-Jan-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			89.0 %	39.9-141		6011527	JF	16-Jan-26	8015B	
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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 20-Jan-26 16:37
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B - 28
H260230-76 (Soil)

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

Inorganic Compounds

Chloride	3520		16.0	mg/kg	4	6011533	KH	16-Jan-26	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6011537	JH	17-Jan-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6011537	JH	17-Jan-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6011537	JH	17-Jan-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6011537	JH	17-Jan-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6011537	JH	17-Jan-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			97.0 %		70.4-141	6011537	JH	17-Jan-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6011527	JF	16-Jan-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6011527	JF	16-Jan-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6011527	JF	16-Jan-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			84.5 %		52.4-130	6011527	JF	16-Jan-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			84.9 %		39.9-141	6011527	JF	16-Jan-26	8015B	
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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 20-Jan-26 16:37
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B - 29
H260230-77 (Soil)

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

Inorganic Compounds

Chloride	<16.0		16.0	mg/kg	4	6011533	KH	16-Jan-26	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6011537	JH	17-Jan-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6011537	JH	17-Jan-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6011537	JH	17-Jan-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6011537	JH	17-Jan-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6011537	JH	17-Jan-26	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			96.8 %		70.4-141	6011537	JH	17-Jan-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6011527	JF	16-Jan-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6011527	JF	16-Jan-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6011527	JF	16-Jan-26	8015B	

Surrogate: 1-Chlorooctane			86.7 %		52.4-130	6011527	JF	16-Jan-26	8015B	
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Surrogate: 1-Chlorooctadecane			88.0 %		39.9-141	6011527	JF	16-Jan-26	8015B	
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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE	Reported:
	Project Number: nAPP2528757355	20-Jan-26 16:37
	Project Manager: CINDY CRAIN	
	Fax To: (432) 272-0304	

Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 6011513 - 1:4 DI Water

Blank (6011513-BLK1)				Prepared & Analyzed: 15-Jan-26						
Chloride	ND	16.0	mg/kg							
LCS (6011513-BS1)				Prepared & Analyzed: 15-Jan-26						
Chloride	416	16.0	mg/kg	400		104	80-120			
LCS Dup (6011513-BSD1)				Prepared & Analyzed: 15-Jan-26						
Chloride	448	16.0	mg/kg	400		112	80-120	7.41	20	

Batch 6011514 - 1:4 DI Water

Blank (6011514-BLK1)				Prepared & Analyzed: 15-Jan-26						
Chloride	ND	16.0	mg/kg							
LCS (6011514-BS1)				Prepared & Analyzed: 15-Jan-26						
Chloride	400	16.0	mg/kg	400		100	80-120			
LCS Dup (6011514-BSD1)				Prepared & Analyzed: 15-Jan-26						
Chloride	416	16.0	mg/kg	400		104	80-120	3.92	20	

Batch 6011531 - 1:4 DI Water

Blank (6011531-BLK1)				Prepared & Analyzed: 15-Jan-26						
Chloride	ND	16.0	mg/kg							
LCS (6011531-BS1)				Prepared & Analyzed: 15-Jan-26						
Chloride	432	16.0	mg/kg	400		108	80-120			

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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 20-Jan-26 16:37
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Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 6011531 - 1:4 DI Water

LCS Dup (6011531-BSD1)				Prepared & Analyzed: 15-Jan-26						
Chloride	432	16.0	mg/kg	400		108	80-120	0.00	20	

Batch 6011532 - 1:4 DI Water

Blank (6011532-BLK1)				Prepared: 15-Jan-26 Analyzed: 16-Jan-26						
Chloride	ND	16.0	mg/kg							

LCS (6011532-BS1)				Prepared: 15-Jan-26 Analyzed: 16-Jan-26						
Chloride	432	16.0	mg/kg	400		108	80-120			

LCS Dup (6011532-BSD1)				Prepared: 15-Jan-26 Analyzed: 16-Jan-26						
Chloride	432	16.0	mg/kg	400		108	80-120	0.00	20	

Batch 6011533 - 1:4 DI Water

Blank (6011533-BLK1)				Prepared & Analyzed: 15-Jan-26						
Chloride	ND	16.0	mg/kg							

LCS (6011533-BS1)				Prepared & Analyzed: 15-Jan-26						
Chloride	400	16.0	mg/kg	400		100	80-120			

LCS Dup (6011533-BSD1)				Prepared & Analyzed: 15-Jan-26						
Chloride	432	16.0	mg/kg	400		108	80-120	7.69	20	

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Analytical Results For:

CRAIN ENVIRONMENTAL
2925 E. 17TH STREET
ODESSA TX, 79761

Project: SOUTH VACUUM #274 FLOW LINE
Project Number: nAPP2528757355
Project Manager: CINDY CRAIN
Fax To: (432) 272-0304

Reported:
20-Jan-26 16:37

Volatile Organic Compounds by EPA Method 8021 - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 6011512 - Volatiles**Blank (6011512-BLK1)**

Prepared: 15-Jan-26 Analyzed: 17-Jan-26

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0600		mg/kg	0.0500		120	70.4-141			

LCS (6011512-BS1)

Prepared: 15-Jan-26 Analyzed: 16-Jan-26

Benzene	2.09	0.050	mg/kg	2.00		105	71-111			
Toluene	1.98	0.050	mg/kg	2.00		99.0	75-116			
Ethylbenzene	2.11	0.050	mg/kg	2.00		106	74.2-119			
m,p-Xylene	4.39	0.100	mg/kg	4.00		110	72.5-123			
o-Xylene	2.21	0.050	mg/kg	2.00		111	70.5-124			
Total Xylenes	6.60	0.150	mg/kg	6.00		110	72.2-123			
Surrogate: 4-Bromofluorobenzene (PID)	0.0483		mg/kg	0.0500		96.6	70.4-141			

LCS Dup (6011512-BSD1)

Prepared: 15-Jan-26 Analyzed: 17-Jan-26

Benzene	2.08	0.050	mg/kg	2.00		104	71-111	0.798	17.6	
Toluene	1.98	0.050	mg/kg	2.00		99.0	75-116	0.00242	14.8	
Ethylbenzene	2.09	0.050	mg/kg	2.00		104	74.2-119	1.09	14.2	
m,p-Xylene	4.33	0.100	mg/kg	4.00		108	72.5-123	1.20	13.6	
o-Xylene	2.17	0.050	mg/kg	2.00		109	70.5-124	1.87	13.7	
Total Xylenes	6.50	0.150	mg/kg	6.00		108	72.2-123	1.42	13.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0489		mg/kg	0.0500		97.9	70.4-141			

Batch 6011516 - Volatiles**Blank (6011516-BLK1)**

Prepared: 15-Jan-26 Analyzed: 17-Jan-26

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							

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Analytical Results For:

CRAIN ENVIRONMENTAL
2925 E. 17TH STREET
ODESSA TX, 79761

Project: SOUTH VACUUM #274 FLOW LINE
Project Number: nAPP2528757355
Project Manager: CINDY CRAIN
Fax To: (432) 272-0304

Reported:
20-Jan-26 16:37

Volatile Organic Compounds by EPA Method 8021 - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 6011516 - Volatiles**Blank (6011516-BLK1)**

Prepared: 15-Jan-26 Analyzed: 17-Jan-26

Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0555		mg/kg	0.0500		111	70.4-141			

LCS (6011516-BS1)

Prepared: 15-Jan-26 Analyzed: 17-Jan-26

Benzene	2.12	0.050	mg/kg	2.00		106	71-111			
Toluene	2.08	0.050	mg/kg	2.00		104	75-116			
Ethylbenzene	2.17	0.050	mg/kg	2.00		109	74.2-119			
m,p-Xylene	4.43	0.100	mg/kg	4.00		111	72.5-123			
o-Xylene	2.22	0.050	mg/kg	2.00		111	70.5-124			
Total Xylenes	6.65	0.150	mg/kg	6.00		111	72.2-123			
Surrogate: 4-Bromofluorobenzene (PID)	0.0506		mg/kg	0.0500		101	70.4-141			

LCS Dup (6011516-BSD1)

Prepared: 15-Jan-26 Analyzed: 17-Jan-26

Benzene	2.18	0.050	mg/kg	2.00		109	71-111	2.36	17.6	
Toluene	2.16	0.050	mg/kg	2.00		108	75-116	4.07	14.8	
Ethylbenzene	2.27	0.050	mg/kg	2.00		114	74.2-119	4.52	14.2	
m,p-Xylene	4.66	0.100	mg/kg	4.00		116	72.5-123	4.86	13.6	
o-Xylene	2.35	0.050	mg/kg	2.00		117	70.5-124	5.81	13.7	
Total Xylenes	7.00	0.150	mg/kg	6.00		117	72.2-123	5.18	13.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0522		mg/kg	0.0500		104	70.4-141			

Batch 6011517 - Volatiles**Blank (6011517-BLK1)**

Prepared: 15-Jan-26 Analyzed: 17-Jan-26

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	ND		mg/kg	0.0500		78.1	70.4-141			

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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 20-Jan-26 16:37
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Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 6011517 - Volatiles

LCS (6011517-BS1)

Prepared: 15-Jan-26 Analyzed: 16-Jan-26

Benzene	1.90	0.050	mg/kg	2.00		94.8	71-111			
Toluene	1.87	0.050	mg/kg	2.00		93.4	75-116			
Ethylbenzene	2.01	0.050	mg/kg	2.00		100	74.2-119			
m,p-Xylene	4.10	0.100	mg/kg	4.00		103	72.5-123			
o-Xylene	1.89	0.050	mg/kg	2.00		94.3	70.5-124			
Total Xylenes	5.99	0.150	mg/kg	6.00		99.8	72.2-123			

Surrogate: 4-Bromofluorobenzene (PID) 0.0405 mg/kg 0.0500 80.9 70.4-141

LCS Dup (6011517-BS1)

Prepared: 15-Jan-26 Analyzed: 16-Jan-26

Benzene	1.84	0.050	mg/kg	2.00		91.8	71-111	3.22	17.6	
Toluene	1.81	0.050	mg/kg	2.00		90.5	75-116	3.15	14.8	
Ethylbenzene	1.94	0.050	mg/kg	2.00		97.2	74.2-119	3.21	14.2	
m,p-Xylene	4.00	0.100	mg/kg	4.00		99.9	72.5-123	2.59	13.6	
o-Xylene	1.85	0.050	mg/kg	2.00		92.7	70.5-124	1.75	13.7	
Total Xylenes	5.85	0.150	mg/kg	6.00		97.5	72.2-123	2.33	13.3	

Surrogate: 4-Bromofluorobenzene (PID) 0.0424 mg/kg 0.0500 84.8 70.4-141

Batch 6011518 - Volatiles

Blank (6011518-BLK1)

Prepared: 15-Jan-26 Analyzed: 17-Jan-26

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							

Surrogate: 4-Bromofluorobenzene (PID) ND mg/kg 0.0500 78.0 70.4-141

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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 20-Jan-26 16:37
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Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 6011518 - Volatiles

LCS (6011518-BS1)

Prepared: 15-Jan-26 Analyzed: 17-Jan-26

Benzene	1.87	0.050	mg/kg	2.00		93.5	71-111			
Toluene	1.82	0.050	mg/kg	2.00		91.2	75-116			
Ethylbenzene	1.94	0.050	mg/kg	2.00		97.0	74.2-119			
m,p-Xylene	4.02	0.100	mg/kg	4.00		100	72.5-123			
o-Xylene	1.82	0.050	mg/kg	2.00		90.8	70.5-124			
Total Xylenes	5.83	0.150	mg/kg	6.00		97.2	72.2-123			

Surrogate: 4-Bromofluorobenzene (PID) 0.0399 mg/kg 0.0500 79.7 70.4-141

LCS Dup (6011518-BS1)

Prepared: 15-Jan-26 Analyzed: 17-Jan-26

Benzene	1.80	0.050	mg/kg	2.00		90.2	71-111	3.55	17.6	
Toluene	1.76	0.050	mg/kg	2.00		88.0	75-116	3.59	14.8	
Ethylbenzene	1.88	0.050	mg/kg	2.00		94.2	74.2-119	2.87	14.2	
m,p-Xylene	3.89	0.100	mg/kg	4.00		97.3	72.5-123	3.10	13.6	
o-Xylene	1.76	0.050	mg/kg	2.00		88.1	70.5-124	2.99	13.7	
Total Xylenes	5.66	0.150	mg/kg	6.00		94.3	72.2-123	3.06	13.3	

Surrogate: 4-Bromofluorobenzene (PID) 0.0392 mg/kg 0.0500 78.5 70.4-141

Batch 6011537 - Volatiles

Blank (6011537-BLK1)

Prepared: 15-Jan-26 Analyzed: 17-Jan-26

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							

Surrogate: 4-Bromofluorobenzene (PID) ND mg/kg 0.0500 98.1 70.4-141

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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 20-Jan-26 16:37
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Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 6011537 - Volatiles

LCS (6011537-BS1)

Prepared: 15-Jan-26 Analyzed: 17-Jan-26

Benzene	1.88	0.050	mg/kg	2.00		94.0	71-111			
Toluene	1.94	0.050	mg/kg	2.00		97.1	75-116			
Ethylbenzene	1.96	0.050	mg/kg	2.00		97.8	74.2-119			
m,p-Xylene	3.86	0.100	mg/kg	4.00		96.5	72.5-123			
o-Xylene	1.95	0.050	mg/kg	2.00		97.3	70.5-124			
Total Xylenes	5.80	0.150	mg/kg	6.00		96.7	72.2-123			

Surrogate: 4-Bromofluorobenzene (PID)

0.0473 mg/kg 0.0500 94.5 70.4-141

LCS Dup (6011537-BSD1)

Prepared: 15-Jan-26 Analyzed: 17-Jan-26

Benzene	1.85	0.050	mg/kg	2.00		92.3	71-111	1.83	17.6	
Toluene	1.92	0.050	mg/kg	2.00		95.8	75-116	1.31	14.8	
Ethylbenzene	1.93	0.050	mg/kg	2.00		96.6	74.2-119	1.25	14.2	
m,p-Xylene	3.80	0.100	mg/kg	4.00		95.1	72.5-123	1.46	13.6	
o-Xylene	1.93	0.050	mg/kg	2.00		96.4	70.5-124	0.848	13.7	
Total Xylenes	5.73	0.150	mg/kg	6.00		95.5	72.2-123	1.25	13.3	

Surrogate: 4-Bromofluorobenzene (PID)

0.0475 mg/kg 0.0500 95.0 70.4-141

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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 20-Jan-26 16:37
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Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 6011523 - General Prep - Organics

Blank (6011523-BLK1)		Prepared: 15-Jan-26 Analyzed: 16-Jan-26								
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	54.0		mg/kg	50.0		108	52.4-130			
Surrogate: 1-Chlorooctadecane	56.1		mg/kg	50.0		112	39.9-141			

LCS (6011523-BS1)		Prepared: 15-Jan-26 Analyzed: 16-Jan-26								
GRO C6-C10	192	10.0	mg/kg	200		96.2	78.7-123			
DRO >C10-C28	200	10.0	mg/kg	200		100	74.8-123			
Total TPH C6-C28	392	10.0	mg/kg	400		98.1	78.6-121			
Surrogate: 1-Chlorooctane	60.5		mg/kg	50.0		121	52.4-130			
Surrogate: 1-Chlorooctadecane	64.6		mg/kg	50.0		129	39.9-141			

LCS Dup (6011523-BSD1)		Prepared: 15-Jan-26 Analyzed: 16-Jan-26								
GRO C6-C10	191	10.0	mg/kg	200		95.5	78.7-123	0.778	11.3	
DRO >C10-C28	197	10.0	mg/kg	200		98.5	74.8-123	1.54	10.9	
Total TPH C6-C28	388	10.0	mg/kg	400		97.0	78.6-121	1.16	10.5	
Surrogate: 1-Chlorooctane	59.1		mg/kg	50.0		118	52.4-130			
Surrogate: 1-Chlorooctadecane	63.4		mg/kg	50.0		127	39.9-141			

Batch 6011524 - General Prep - Organics

Blank (6011524-BLK1)		Prepared: 15-Jan-26 Analyzed: 16-Jan-26								
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	44.6		mg/kg	50.0		89.2	52.4-130			
Surrogate: 1-Chlorooctadecane	39.1		mg/kg	50.0		78.3	39.9-141			

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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 20-Jan-26 16:37
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Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 6011524 - General Prep - Organics

LCS (6011524-BS1)		Prepared: 15-Jan-26 Analyzed: 16-Jan-26								
GRO C6-C10	204	10.0	mg/kg	200	102	78.7-123				
DRO >C10-C28	192	10.0	mg/kg	200	96.1	74.8-123				
Total TPH C6-C28	396	10.0	mg/kg	400	99.1	78.6-121				
Surrogate: 1-Chlorooctane	51.6		mg/kg	50.0	103	52.4-130				
Surrogate: 1-Chlorooctadecane	46.8		mg/kg	50.0	93.5	39.9-141				

LCS Dup (6011524-BSD1)		Prepared: 15-Jan-26 Analyzed: 16-Jan-26								
GRO C6-C10	199	10.0	mg/kg	200	99.4	78.7-123	2.65	11.3		
DRO >C10-C28	186	10.0	mg/kg	200	93.1	74.8-123	3.25	10.9		
Total TPH C6-C28	385	10.0	mg/kg	400	96.2	78.6-121	2.94	10.5		
Surrogate: 1-Chlorooctane	49.6		mg/kg	50.0	99.3	52.4-130				
Surrogate: 1-Chlorooctadecane	44.8		mg/kg	50.0	89.6	39.9-141				

Batch 6011525 - General Prep - Organics

Blank (6011525-BLK1)		Prepared: 15-Jan-26 Analyzed: 16-Jan-26								
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	47.7		mg/kg	50.0	95.5	52.4-130				
Surrogate: 1-Chlorooctadecane	46.0		mg/kg	50.0	91.9	39.9-141				

LCS (6011525-BS1)		Prepared: 15-Jan-26 Analyzed: 16-Jan-26								
GRO C6-C10	194	10.0	mg/kg	200	97.2	78.7-123				
DRO >C10-C28	168	10.0	mg/kg	200	84.0	74.8-123				
Total TPH C6-C28	362	10.0	mg/kg	400	90.6	78.6-121				
Surrogate: 1-Chlorooctane	57.1		mg/kg	50.0	114	52.4-130				
Surrogate: 1-Chlorooctadecane	51.0		mg/kg	50.0	102	39.9-141				

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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 20-Jan-26 16:37
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Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 6011525 - General Prep - Organics

LCS Dup (6011525-BSD1)		Prepared: 15-Jan-26 Analyzed: 16-Jan-26								
GRO C6-C10	186	10.0	mg/kg	200		92.8	78.7-123	4.66	11.3	
DRO >C10-C28	170	10.0	mg/kg	200		85.0	74.8-123	1.26	10.9	
Total TPH C6-C28	356	10.0	mg/kg	400		88.9	78.6-121	1.88	10.5	
Surrogate: 1-Chlorooctane	62.5		mg/kg	50.0		125	52.4-130			
Surrogate: 1-Chlorooctadecane	51.0		mg/kg	50.0		102	39.9-141			

Batch 6011526 - General Prep - Organics

Blank (6011526-BLK1)		Prepared: 15-Jan-26 Analyzed: 16-Jan-26								
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	56.8		mg/kg	50.0		114	52.4-130			
Surrogate: 1-Chlorooctadecane	68.3		mg/kg	50.0		137	39.9-141			

LCS (6011526-BS1)		Prepared: 15-Jan-26 Analyzed: 17-Jan-26								
GRO C6-C10	195	10.0	mg/kg	200		97.5	78.7-123			
DRO >C10-C28	193	10.0	mg/kg	200		96.6	74.8-123			
Total TPH C6-C28	388	10.0	mg/kg	400		97.1	78.6-121			
Surrogate: 1-Chlorooctane	52.8		mg/kg	50.0		106	52.4-130			
Surrogate: 1-Chlorooctadecane	63.9		mg/kg	50.0		128	39.9-141			

LCS Dup (6011526-BSD1)		Prepared: 15-Jan-26 Analyzed: 17-Jan-26								
GRO C6-C10	194	10.0	mg/kg	200		97.0	78.7-123	0.543	11.3	
DRO >C10-C28	192	10.0	mg/kg	200		95.8	74.8-123	0.857	10.9	
Total TPH C6-C28	386	10.0	mg/kg	400		96.4	78.6-121	0.699	10.5	
Surrogate: 1-Chlorooctane	52.6		mg/kg	50.0		105	52.4-130			
Surrogate: 1-Chlorooctadecane	63.5		mg/kg	50.0		127	39.9-141			

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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 20-Jan-26 16:37
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Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 6011527 - General Prep - Organics

Blank (6011527-BLK1)		Prepared: 15-Jan-26 Analyzed: 16-Jan-26								
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	51.4		mg/kg	50.0		103	52.4-130			
Surrogate: 1-Chlorooctadecane	53.7		mg/kg	50.0		107	39.9-141			

LCS (6011527-BS1)		Prepared: 15-Jan-26 Analyzed: 16-Jan-26								
GRO C6-C10	211	10.0	mg/kg	200		105	78.7-123			
DRO >C10-C28	206	10.0	mg/kg	200		103	74.8-123			
Total TPH C6-C28	416	10.0	mg/kg	400		104	78.6-121			
Surrogate: 1-Chlorooctane	57.2		mg/kg	50.0		114	52.4-130			
Surrogate: 1-Chlorooctadecane	60.9		mg/kg	50.0		122	39.9-141			

LCS Dup (6011527-BSD1)		Prepared: 15-Jan-26 Analyzed: 16-Jan-26								
GRO C6-C10	214	10.0	mg/kg	200		107	78.7-123	1.45	11.3	
DRO >C10-C28	209	10.0	mg/kg	200		105	74.8-123	1.71	10.9	
Total TPH C6-C28	423	10.0	mg/kg	400		106	78.6-121	1.58	10.5	
Surrogate: 1-Chlorooctane	56.8		mg/kg	50.0		114	52.4-130			
Surrogate: 1-Chlorooctadecane	60.6		mg/kg	50.0		121	39.9-141			

Batch 6011634 - General Prep - Organics

Blank (6011634-BLK1)		Prepared: 16-Jan-26 Analyzed: 17-Jan-26								
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	47.0		mg/kg	50.0		94.1	52.4-130			
Surrogate: 1-Chlorooctadecane	48.4		mg/kg	50.0		96.9	39.9-141			

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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 20-Jan-26 16:37
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Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 6011634 - General Prep - Organics

LCS (6011634-BS1)

Prepared: 16-Jan-26 Analyzed: 17-Jan-26

GRO C6-C10	192	10.0	mg/kg	200		96.2	78.7-123			
DRO >C10-C28	185	10.0	mg/kg	200		92.5	74.8-123			
Total TPH C6-C28	377	10.0	mg/kg	400		94.4	78.6-121			
Surrogate: 1-Chlorooctane	48.6		mg/kg	50.0		97.2	52.4-130			
Surrogate: 1-Chlorooctadecane	50.6		mg/kg	50.0		101	39.9-141			

LCS Dup (6011634-BSD1)

Prepared: 16-Jan-26 Analyzed: 17-Jan-26

GRO C6-C10	187	10.0	mg/kg	200		93.6	78.7-123	2.70	11.3	
DRO >C10-C28	182	10.0	mg/kg	200		91.0	74.8-123	1.65	10.9	
Total TPH C6-C28	369	10.0	mg/kg	400		92.3	78.6-121	2.18	10.5	
Surrogate: 1-Chlorooctane	48.5		mg/kg	50.0		97.0	52.4-130			
Surrogate: 1-Chlorooctadecane	50.6		mg/kg	50.0		101	39.9-141			

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND Analyte NOT DETECTED at or above the reporting limit
RPD Relative Percent Difference
** Samples not received at proper temperature of 6°C or below.
*** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

P.O. #: _____
Company: Gandy Corporation
Attn: Larry Gandy
Address: P.O. Box 1476
City: Lovington
State: NM Zip: 88260
Phone #: (575) 399-5721
Fax #: (575) 396-0797

ANALYSIS REQUEST

Company Name: Crain Environmental
Project Manager: Cindy Crain
Address: 2925 E. 17th St.
City: Odessa State: TX Zip: 79761
Phone #: (575) 441-7244 Fax #: NA
Project #: NA Project Owner: Clearwater
Project Name: South Vacuum #274 (NAPP2528757355)
Project Location: Lea County, NM
Sampler Name: Cindy Crain

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	TPH 8015M	BTEX	Chlorides
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					
H410330	S-1	C 1	1	X					1/13/2026	1230	X	X	X	
	S-2	C 1	1	X					1/13/2026	1232	X	X	X	
	S-3	C 1	1	X					1/13/2026	1234	X	X	X	
	S-4	C 1	1	X					1/13/2026	1236	X	X	X	
	S-5	C 1	1	X					1/13/2026	1238	X	X	X	
	S-6	C 1	1	X					1/13/2026	1240	X	X	X	
	S-7	C 1	1	X					1/13/2026	1242	X	X	X	
	S-8	C 1	1	X					1/13/2026	1244	X	X	X	
	S-9	C 1	1	X					1/13/2026	1246	X	X	X	
	S-10	C 1	1	X					1/13/2026	1248	X	X	X	

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Relinquished By: _____
Date: 1/15/26
Time: 9:19
Received By: Sheelrigmy
Date: _____
Time: _____

Delivered By: (Circle One) _____
Observed Temp. °C: 31.9
Corrected Temp. °C: 32.1
Sample Condition: Cool Intact
Checked By: (Initials) SR

FORM-006 R 3.6 02/12/25
Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

P.O. #:
 Company: Gandy Corporation
 Attn: Larry Gandy
 Address: P.O. Box 1476
 City: Lovington
 State: NM Zip: 88260

ANALYSIS REQUEST

Company Name: Crain Environmental
 Project Manager: Cindy Crain
 Address: 2925 E. 17th St.
 City: Odessa State: TX Zip: 79761
 Phone #: (575) 441-7244 Fax #: NA
 Project #: NA Project Owner: Clearwater
 Project Name: South Vacuum #274 (NAAPP2528757355)
 Project Location: Lea County, NM
 Sampler Name: Cindy Crain
 P.O. #:
 Company:
 Attn:
 Address:
 City:
 State: NM Zip: 88260
 Phone #: (575) 399-5721
 Fax #: (575) 396-0797

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	ANALYSIS REQUEST		
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :			TPH 8015M	BTEX	Chlorides
11	S-11	C	1	X					1/13/2026	1250	X	X	X	
12	S-12	C	1	X					1/13/2026	1252	X	X	X	
13	S-13	C	1	X					1/13/2026	1254	X	X	X	
14	S-14	C	1	X					1/13/2026	1256	X	X	X	
15	S-15	C	1	X					1/13/2026	1258	X	X	X	
16	S-16	C	1	X					1/13/2026	1300	X	X	X	
17	S-17	C	1	X					1/13/2026	1302	X	X	X	
18	S-18	C	1	X					1/13/2026	1304	X	X	X	
19	S-19	C	1	X					1/13/2026	1306	X	X	X	
20	S-20	C	1	X					1/13/2026	1308	X	X	X	

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Relinquished By: *Cindy Crain*
 Date: 1/15/2016
 Time: 0919
 Received By: *Spedriqunw*
 Date:
 Time:
 Verbal Result: Yes No Add'l Phone #:
 All Results are emailed. Please provide Email address: *cindy.crain@gmail.com and lgandy@gandycorporation.com*
 REMARKS: Page 2 of 8 *202 JORD NDT OURS SR*

Delivered By: (Circle One) Observed Temp. °C: 3.1
 Corrected Temp. °C: 3.2
 Sample Condition: Intact Cool Yes No
 CHECKED BY: *SR*
 Turnaround Time: Standard Rush
 Thermometer ID #140 Correction Factor +0.3°C *+0.1°C*
 Bacteria (only) Sample Condition: Cool Intact Yes No
 Corrected Temp. °C:
 FORM-006 R.3.6 02/1/2025
 † Cardinal cannot accept verbal changes. Please email changes to *celey.keene@cardinallabsnm.com*



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

P.O. #: Company: Gandy Corporation

Attn: Larry Gandy

Address: P.O. Box 1476

City: Lovington

State: NM Zip: 88260

Phone #: (575) 399-5721

Fax #: (575) 396-0797

ANALYSIS REQUEST

Company Name: Crain Environmental
 Project Manager: Cindy Crain
 Address: 2925 E. 17th St.
 City: Odessa State: TX Zip: 79761
 Phone #: (575) 441-7244 Fax #: NA
 Project #: NA Project Owner: Clearwater
 Project Name: South Vacuum #274 (NAPP2528757355)
 Project Location: Lea County, NM
 Sampler Name: Cindy Crain
 P.O. #: Company: Gandy Corporation
 Attn: Larry Gandy
 Address: P.O. Box 1476
 City: Lovington
 State: NM Zip: 88260
 Phone #: (575) 399-5721
 Fax #: (575) 396-0797

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							DATE	TIME	TPH 8015M	BTEX	Chlorides
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:					
4400230	S-21	C	1	X							1/13/2026	1310	X	X	X
	S-22	C	1	X							1/13/2026	1312	X	X	X
	S-23	C	1	X							1/13/2026	1314	X	X	X
	S-24	C	1	X							1/13/2026	1316	X	X	X
	S-25	C	1	X							1/13/2026	1318	X	X	X
	S-26	C	1	X							1/13/2026	1320	X	X	X
	S-27	C	1	X							1/13/2026	1322	X	X	X
	S-28	C	1	X							1/13/2026	1324	X	X	X
	S-29	C	1	X							1/13/2026	1326	X	X	X
	S-30	C	1	X							1/13/2026	1328	X	X	X

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Relinquished By: *Cindy Crain*
 Date: 1-15-2019
 Received By: *Steele Rigney*
 Date: 1-15-2019
 Verbal Result: Yes No Add'l Phone #: *202 701 5*
 All Results are emailed. Please provide Email address: *cindy.crain@gmail.com and lgandy@gandycorporation.com*
 REMARKS: *Page 3 of 8*

Delivered By: (Circle One) Observed Temp. °C: *3.1*
 Corrected Temp. °C: *3.2*
 Sample Condition: Cool Intact
 Checked By: *SR*
 Turnaround Time: Standard Rush
 Bacteria (only) Sample Condition: Cool Intact
 Corrected Temp. °C: *70.1*



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Crain Environmental
Project Manager: Cindy Crain
Address: 2925 E. 17th St.
City: Odessa State: TX Zip: 79761
Phone #: (575) 441-7244 Fax #: NA
Project #: NA Project Owner: Clearwater
Project Name: South Vacuum #274 (nAPP2528757355)
Project Location: Lea County, NM
Sampler Name: Cindy Crain

FOR LAB USE ONLY
Lab I.D. Sample I.D.
Date: 1/15/2019
Time: 0919
Received By: Spodkignung

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							DATE	TIME	ANALYSIS REQUEST					
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:			ICE / COOL	OTHER :	TPH 8015M	BTEX	Chlorides	
S-31		C 1	X	X							1/13/2026	1330	X	X	X			
S-32		C 1	X	X							1/13/2026	1332	X	X	X			
S-33		C 1	X	X							1/13/2026	1334	X	X	X			
S-34		C 1	X	X							1/13/2026	1336	X	X	X			
S-35		C 1	X	X							1/13/2026	1338	X	X	X			
S-36		C 1	X	X							1/13/2026	1340	X	X	X			
S-37		C 1	X	X							1/13/2026	1342	X	X	X			
S-38		C 1	X	X							1/13/2026	1344	X	X	X			
S-39		C 1	X	X							1/13/2026	1346	X	X	X			
S-40		C 1	X	X							1/13/2026	1348	X	X	X			

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Relinquished By: [Signature]
Date: 1/15/2019
Time: 0919
Received By: Spodkignung

Delivered By: (Circle One)
Observed Temp. °C: 3.1
Corrected Temp. °C: 3.2
Sample Condition: Cool Intact
Checked By: [Signature]

Turnaround Time: Standard
Thermometer ID #140
Correction Factor +0.1°C
Bacteria (only) Sample Condition: Cool Intact
Observed Temp. °C
Corrected Temp. °C

FORM-006 R 3.6 02/1/2025
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101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

Company Name: Crain Environmental	P.O. #:
Project Manager: Cindy Crain	Company: Gandy Corporation
Address: 2925 E. 17th St.	Attn: Larry Gandy
City: Odessa	Address: P.O. Box 1476
Phone #: (575) 441-7244	City: Lovington
Fax #: NA	State: NM Zip: 88260
Project #: NA	Project Owner: Clearwater
Project Name: South Vacuum #274 (NAPP2528757355)	State: NM Zip: 88260
Project Location: Lea County, NM	Phone #: (575) 399-5721
Sampler Name: Cindy Crain	Fax #: (575) 396-0797

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							DATE	TIME	ANALYSIS REQUEST					
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:			ICE / COOL	OTHER :	TPH 8015M	BTEX	Chlorides	
411	S-41	C	1	X							1/13/2026	1350	X	X	X			
43	S-42	C	1	X							1/13/2026	1352	X	X	X			
44	S-43	C	1	X							1/13/2026	1354	X	X	X			
44	S-44	C	1	X							1/13/2026	1356	X	X	X			
45	S-45	C	1	X							1/13/2026	1358	X	X	X			
46	S-46	C	1	X							1/13/2026	1400	X	X	X			
47	S-47	C	1	X							1/13/2026	1402	X	X	X			
48	S-48	C	1	X							1/13/2026	1404	X	X	X			
49	B-1	C	1	X							1/13/2026	1406	X	X	X			
SD	B-2	C	1	X							1/13/2026	1408	X	X	X			

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Relinquished By: *Cindy Crain* Date: *1/15/2016* Time: *0919*

Received By: *Spedvigung*

Verbal Result: Yes No Add'l Phone #:

REMARKS: Page 5 of 8

Delivered By: (Circle One) UPS Bus Other

Observed Temp. °C: *3.1* Corrected Temp. °C: *3.2*

Sample Condition: Cool Intact Yes No No

Checked By: *SR*

Turnaround Time: Standard Rush

Thermometer ID #140 Correction Factor *+0.1*

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

FORM-006 R.3.6 02/12/25

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Crain Environmental
Project Manager: Cindy Crain
Address: 2925 E. 17th St.
City: Odessa State: TX Zip: 79761
Phone #: (575) 441-7244 Fax #: NA
Project #: NA Project Owner: Clearwater
Project Name: South Vacuum #274 (NAPP2528757355)
Project Location: Lea County, NM
Sampler Name: Cindy Crain

BILL TO

P.O. #: Gandy Corporation
Company: Gandy Corporation
Attn: Larry Gandy
Address: P.O. Box 1476
City: Lovington State: NM Zip: 88260
Phone #: (575) 389-5721
Fax #: (575) 398-0797

ANALYSIS REQUEST

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							DATE	TIME	ANALYSIS REQUEST					
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:			ICE / COOL	OTHER :	TPH 8015M	BTEX	Chlorides	
51	B-3	C	1			X					1/13/2026	1410	X	X	X			
52	B-4	C	1			X					1/13/2026	1412	X	X	X			
53	B-5	C	1			X					1/13/2026	1414	X	X	X			
54	B-6	C	1			X					1/13/2026	1416	X	X	X			
55	B-7	C	1			X					1/13/2026	1418	X	X	X			
56	B-8	C	1			X					1/13/2026	1420	X	X	X			
57	B-9	C	1			X					1/13/2026	1422	X	X	X			
58	B-10	C	1			X					1/13/2026	1424	X	X	X			
59	B-11	C	1			X					1/13/2026	1426	X	X	X			
60	B-12	C	1			X					1/13/2026	1428	X	X	X			

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Relinquished By: [Signature]
Date: 1-15-20
Time: 9:17
Received By: [Signature]
Date: [Blank]
Time: [Blank]

Turnaround Time: Standard Rush
Thermometer ID #140 Correction Factor +0.1°C
Bacteria (only) Sample Condition Cool Intact Observed Temp. °C Corrected Temp. °C

Delivered By: (Circle One) UPS - Buses - Other:
Observed Temp. °C: 3.1°C
Corrected Temp. °C: 3.2°C
Sample Condition Cool Intact
CHECKED BY: [Signature]
FORM-008 R 3.6 02/12/25
† Cardinal cannot accept verbal changes. Please email changes to celyj.keene@cardinalabsnm.com



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Crain Environmental

Project Manager: Cindy Crain

Address: 2925 E. 17th St.

City: Odessa State: TX Zip: 79761

Phone #: (575) 441-7244 Fax #: NA

Project #: NA Project Owner: Clearwater

Project Name: South Vacuum #274 (NAPP2528757355)

Project Location: Lea County, NM

Sampler Name: Cindy Crain

BILL TO	
P.O. #:	
Company:	Gandy Corporation
Attn:	Larry Gandy
Address:	P.O. Box 1476
City:	Lovington
State:	NM Zip: 88260
Phone #:	(575) 399-5721
Fax #:	(575) 396-0797

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							DATE	TIME	TPH 8015M	BTEX	Chlorides
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:					
HA00330															
61	B-13	C	1	X							1/13/2026	1430	X	X	X
63	B-14	C	1	X							1/13/2026	1432	X	X	X
63	B-15	C	1	X							1/13/2026	1434	X	X	X
64	B-16	C	1	X							1/13/2026	1436	X	X	X
65	B-17	C	1	X							1/13/2026	1438	X	X	X
66	B-18	C	1	X							1/13/2026	1440	X	X	X
67	B-19	C	1	X							1/13/2026	1442	X	X	X
68	B-20	C	1	X							1/13/2026	1444	X	X	X
69	B-21	C	1	X							1/13/2026	1446	X	X	X
70	B-22	C	1	X							1/13/2026	1448	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 consequential damages, including without limitation, business interruption, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors, arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: Cindy Crain Date: 1-15-26 Received By: Steph Rigging

Time: 9:19

Delivered By: (Circle One) Observed Temp. °C: 3.12 Sample Condition: Cool Intact

Sampler - UPS - Bus - Other: Corrected Temp. °C: 3.21 CHECKED BY: [Signature]

FORM-006 R 3.6 02/12/25

Turnaround Time: Standard Bacteria (only) Sample Condition: Cool Intact

Thermometer ID #140 Correction Factor .0,3°C 70.1°C Yes No

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

REMARKS: Page 7 of 8



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Crain Environmental

Project Manager: Cindy Crain

Address: 2925 E. 17th St.

City: Odessa State: TX Zip: 79761

Phone #: (575) 441-7244 Fax #: NA

Project #: NA Project Owner: Clearwater

Project Name: South Vacuum #274 (NADPP2528757355)

Project Location: Lea County, NM

Sampler Name: Cindy Crain

FOR LAB USE ONLY

BILL TO

P.O. #:

Company: Gandy Corporation

Attn: Larry Gandy

Address: P.O. Box 1476

City: Lovington

State: NM Zip: 88260

Phone #: (575) 399-5721

Fax #: (575) 398-0797

ANALYSIS REQUEST

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	TPH 8015M	BTEX	Chlorides
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					
71	B-23	C 1	1	X						1/13/2026	1450	X	X	X
72	B-24	C 1	1	X						1/13/2026	1452	X	X	X
73	B-25	C 1	1	X						1/13/2026	1454	X	X	X
74	B-26	C 1	1	X						1/13/2026	1456	X	X	X
75	B-27	C 1	1	X						1/13/2026	1458	X	X	X
76	B-28	C 1	1	X						1/13/2026	1500	X	X	X
77	B-29	C 1	1	X						1/13/2026	1502	X	X	X

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Relinquished By: *Cindy Crain*

Date: *01/13/2026*

Received By: *Shadrach*

Date: *01/13/2026*

Delivered By: (Circle One)

Observed Temp. °C: *3.1*

Corrected Temp. °C: *3.2*

Sample Condition: Cool Intact

Checked By: *SR*

Turnaround Time: *Standard*

Thermometer ID #140 *78.1*

Correction Factor +0.3°C

Bacteria (only) Cool Intact

Sample Condition Observed Temp. °C

Relinquished By: *Cindy Crain*

Date: *01/13/2026*

Received By: *Shadrach*

Date: *01/13/2026*

Turnaround Time: *Standard*

Thermometer ID #140 *78.1*

Correction Factor +0.3°C

Bacteria (only) Cool Intact

Sample Condition Observed Temp. °C

Delivered By: (Circle One)

Observed Temp. °C: *3.1*

Corrected Temp. °C: *3.2*

Sample Condition: Cool Intact

Checked By: *SR*

Turnaround Time: *Standard*

Thermometer ID #140 *78.1*

Correction Factor +0.3°C

Bacteria (only) Cool Intact

Sample Condition Observed Temp. °C

Relinquished By: *Cindy Crain*

Date: *01/13/2026*

Received By: *Shadrach*

Date: *01/13/2026*

Turnaround Time: *Standard*

Thermometer ID #140 *78.1*

Correction Factor +0.3°C

Bacteria (only) Cool Intact

Sample Condition Observed Temp. °C

FORM-006 R 3.6 02/1/2025

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



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

March 23, 2026

CINDY CRAIN
CRAIN ENVIRONMENTAL
2925 E. 17TH STREET
ODESSA, TX 79761

RE: SOUTH VACUUM #274 FLOW LINE

Enclosed are the results of analyses for samples received by the laboratory on 03/17/26 14:53.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab_accred_certif.html.

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

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

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

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

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

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

Sincerely,

Celey D. Keene
Lab Director/Quality Manager



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

Analytical Results For:

CRAIN ENVIRONMENTAL
2925 E. 17TH STREET
ODESSA TX, 79761

Project: SOUTH VACUUM #274 FLOW LINE
Project Number: nAPP2528757355
Project Manager: CINDY CRAIN
Fax To: (432) 272-0304

Reported:
23-Mar-26 12:36

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
S - 1	H261502-01	Soil	16-Mar-26 09:30	17-Mar-26 14:53
S - 2	H261502-02	Soil	16-Mar-26 09:34	17-Mar-26 14:53
S - 3	H261502-03	Soil	16-Mar-26 09:38	17-Mar-26 14:53
S - 7	H261502-04	Soil	16-Mar-26 10:15	17-Mar-26 14:53
B - 13	H261502-05	Soil	16-Mar-26 10:19	17-Mar-26 14:53
S - 9	H261502-06	Soil	16-Mar-26 10:23	17-Mar-26 14:53
S - 10	H261502-07	Soil	16-Mar-26 10:27	17-Mar-26 14:53
S - 11	H261502-08	Soil	16-Mar-26 10:31	17-Mar-26 14:53
S - 12	H261502-09	Soil	16-Mar-26 10:35	17-Mar-26 14:53
S - 13	H261502-10	Soil	16-Mar-26 10:39	17-Mar-26 14:53
S - 14	H261502-11	Soil	16-Mar-26 10:43	17-Mar-26 14:53
S - 15	H261502-12	Soil	16-Mar-26 10:47	17-Mar-26 14:53
S - 16	H261502-13	Soil	16-Mar-26 10:51	17-Mar-26 14:53
S - 17	H261502-14	Soil	16-Mar-26 10:55	17-Mar-26 14:53
S - 19	H261502-15	Soil	16-Mar-26 10:59	17-Mar-26 14:53
S - 20	H261502-16	Soil	16-Mar-26 11:04	17-Mar-26 14:53
S - 21	H261502-17	Soil	16-Mar-26 11:09	17-Mar-26 14:53
S - 22	H261502-18	Soil	16-Mar-26 11:13	17-Mar-26 14:53
S - 26	H261502-19	Soil	16-Mar-26 11:17	17-Mar-26 14:53
S - 31	H261502-20	Soil	16-Mar-26 11:21	17-Mar-26 14:53
S - 32	H261502-21	Soil	16-Mar-26 11:25	17-Mar-26 14:53
S - 33	H261502-22	Soil	16-Mar-26 11:29	17-Mar-26 14:53
S - 34	H261502-23	Soil	16-Mar-26 11:33	17-Mar-26 14:53
S - 35	H261502-24	Soil	16-Mar-26 11:37	17-Mar-26 14:53
S - 36	H261502-25	Soil	16-Mar-26 11:41	17-Mar-26 14:53
S - 37	H261502-26	Soil	16-Mar-26 11:45	17-Mar-26 14:53
S - 38	H261502-27	Soil	16-Mar-26 11:49	17-Mar-26 14:53

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 23-Mar-26 12:36
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S - 39	H261502-28	Soil	16-Mar-26 11:53	17-Mar-26 14:53
S - 40	H261502-29	Soil	16-Mar-26 11:57	17-Mar-26 14:53
S - 41	H261502-30	Soil	16-Mar-26 12:01	17-Mar-26 14:53
S - 42	H261502-31	Soil	16-Mar-26 12:05	17-Mar-26 14:53
S - 43	H261502-32	Soil	16-Mar-26 12:09	17-Mar-26 14:53
S - 44	H261502-33	Soil	16-Mar-26 12:13	17-Mar-26 14:53
S - 45	H261502-34	Soil	16-Mar-26 12:17	17-Mar-26 14:53
S - 46	H261502-35	Soil	16-Mar-26 12:21	17-Mar-26 14:53
S - 47	H261502-36	Soil	16-Mar-26 12:25	17-Mar-26 14:53
S - 48	H261502-37	Soil	16-Mar-26 12:29	17-Mar-26 14:53
B - 1	H261502-38	Soil	16-Mar-26 12:33	17-Mar-26 14:53
B - 2	H261502-39	Soil	16-Mar-26 09:42	17-Mar-26 14:53
B - 3	H261502-40	Soil	16-Mar-26 09:46	17-Mar-26 14:53
B - 4	H261502-41	Soil	16-Mar-26 09:50	17-Mar-26 14:53
B - 5	H261502-42	Soil	16-Mar-26 12:37	17-Mar-26 14:53
B - 6	H261502-43	Soil	16-Mar-26 12:41	17-Mar-26 14:53
B - 7	H261502-44	Soil	16-Mar-26 12:45	17-Mar-26 14:53
B - 8	H261502-45	Soil	16-Mar-26 12:49	17-Mar-26 14:53
B - 9	H261502-46	Soil	16-Mar-26 12:53	17-Mar-26 14:53
B - 10	H261502-47	Soil	16-Mar-26 12:57	17-Mar-26 14:53
B - 11	H261502-48	Soil	16-Mar-26 13:01	17-Mar-26 14:53
B - 12	H261502-49	Soil	16-Mar-26 13:05	17-Mar-26 14:53
B - 14	H261502-50	Soil	16-Mar-26 13:09	17-Mar-26 14:53
B - 15	H261502-51	Soil	16-Mar-26 13:13	17-Mar-26 14:53
B - 16	H261502-52	Soil	16-Mar-26 13:17	17-Mar-26 14:53
B - 17	H261502-53	Soil	16-Mar-26 13:21	17-Mar-26 14:53
B - 18	H261502-54	Soil	16-Mar-26 13:25	17-Mar-26 14:53
B - 19	H261502-55	Soil	16-Mar-26 13:29	17-Mar-26 14:53
B - 20	H261502-56	Soil	16-Mar-26 13:33	17-Mar-26 14:53
B - 21	H261502-57	Soil	16-Mar-26 13:37	17-Mar-26 14:53

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 23-Mar-26 12:36
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B - 22	H261502-58	Soil	16-Mar-26 13:41	17-Mar-26 14:53
B - 23	H261502-59	Soil	16-Mar-26 13:45	17-Mar-26 14:53
B - 24	H261502-60	Soil	16-Mar-26 13:49	17-Mar-26 14:53
B - 25	H261502-61	Soil	16-Mar-26 13:53	17-Mar-26 14:53
B - 27	H261502-62	Soil	16-Mar-26 13:57	17-Mar-26 14:53
B - 28	H261502-63	Soil	16-Mar-26 14:01	17-Mar-26 14:53
B - 30	H261502-64	Soil	16-Mar-26 09:54	17-Mar-26 14:53
B - 31	H261502-65	Soil	16-Mar-26 09:58	17-Mar-26 14:53
S - 49	H261502-66	Soil	16-Mar-26 14:04	17-Mar-26 14:53
S - 50	H261502-67	Soil	16-Mar-26 14:06	17-Mar-26 14:53

CASE NARRATIVE:

The following containers were not provided by Cardinal Laboratories, therefore we are unable to provide traceability:
 samples -06 thru -31
 samples -34 thru -37

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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 23-Mar-26 12:36
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S - 1

H261502-01 (Soil)

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

Inorganic Compounds

Chloride	4440		16.0	mg/kg	4	6031805	KH	18-Mar-26	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6031813	JH	18-Mar-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6031813	JH	18-Mar-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6031813	JH	18-Mar-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6031813	JH	18-Mar-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6031813	JH	18-Mar-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			116 %		70.4-141	6031813	JH	18-Mar-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6031726	JF	18-Mar-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6031726	JF	18-Mar-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6031726	JF	18-Mar-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			91.2 %		52.4-130	6031726	JF	18-Mar-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			86.2 %		39.9-141	6031726	JF	18-Mar-26	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 23-Mar-26 12:36
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S - 2

H261502-02 (Soil)

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

Inorganic Compounds

Chloride	2190		16.0	mg/kg	4	6031805	KH	18-Mar-26	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6031813	JH	18-Mar-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6031813	JH	18-Mar-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6031813	JH	18-Mar-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6031813	JH	18-Mar-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6031813	JH	18-Mar-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			117 %	70.4-141		6031813	JH	18-Mar-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6031726	JF	18-Mar-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6031726	JF	18-Mar-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6031726	JF	18-Mar-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			90.1 %	52.4-130		6031726	JF	18-Mar-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			86.4 %	39.9-141		6031726	JF	18-Mar-26	8015B	
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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 23-Mar-26 12:36
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S - 3

H261502-03 (Soil)

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

Inorganic Compounds

Chloride	160		16.0	mg/kg	4	6031807	AC	18-Mar-26	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6031813	JH	18-Mar-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6031813	JH	18-Mar-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6031813	JH	18-Mar-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6031813	JH	18-Mar-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6031813	JH	18-Mar-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			107 %	70.4-141		6031813	JH	18-Mar-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6031726	JF	18-Mar-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6031726	JF	18-Mar-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6031726	JF	18-Mar-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			85.3 %	52.4-130		6031726	JF	18-Mar-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			78.8 %	39.9-141		6031726	JF	18-Mar-26	8015B	
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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 23-Mar-26 12:36
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S - 7

H261502-04 (Soil)

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

Inorganic Compounds

Chloride	1360		16.0	mg/kg	4	6031807	AC	18-Mar-26	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6031813	JH	18-Mar-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6031813	JH	18-Mar-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6031813	JH	18-Mar-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6031813	JH	18-Mar-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6031813	JH	18-Mar-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			122 %	70.4-141		6031813	JH	18-Mar-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6031727	JF	18-Mar-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6031727	JF	18-Mar-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6031727	JF	18-Mar-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			75.3 %	52.4-130		6031727	JF	18-Mar-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			81.8 %	39.9-141		6031727	JF	18-Mar-26	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 23-Mar-26 12:36
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B - 13
H261502-05 (Soil)

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

Inorganic Compounds

Chloride	288		16.0	mg/kg	4	6031807	AC	18-Mar-26	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6031813	JH	18-Mar-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6031813	JH	18-Mar-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6031813	JH	18-Mar-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6031813	JH	18-Mar-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6031813	JH	18-Mar-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			114 %		70.4-141	6031813	JH	18-Mar-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6031727	JF	18-Mar-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6031727	JF	18-Mar-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6031727	JF	18-Mar-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			85.7 %		52.4-130	6031727	JF	18-Mar-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			93.5 %		39.9-141	6031727	JF	18-Mar-26	8015B	
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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 23-Mar-26 12:36
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S - 9

H261502-06 (Soil)

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

Inorganic Compounds

Chloride	400		16.0	mg/kg	4	6031807	AC	18-Mar-26	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6031813	JH	18-Mar-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6031813	JH	18-Mar-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6031813	JH	18-Mar-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6031813	JH	18-Mar-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6031813	JH	18-Mar-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			111 %	70.4-141		6031813	JH	18-Mar-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6031727	JF	18-Mar-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6031727	JF	18-Mar-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6031727	JF	18-Mar-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			90.9 %	52.4-130		6031727	JF	18-Mar-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			90.1 %	39.9-141		6031727	JF	18-Mar-26	8015B	
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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 23-Mar-26 12:36
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S - 10

H261502-07 (Soil)

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

Inorganic Compounds

Chloride	288		16.0	mg/kg	4	6031807	AC	18-Mar-26	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6031813	JH	18-Mar-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6031813	JH	18-Mar-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6031813	JH	18-Mar-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6031813	JH	18-Mar-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6031813	JH	18-Mar-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			108 %	70.4-141		6031813	JH	18-Mar-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6031727	JF	18-Mar-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6031727	JF	18-Mar-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6031727	JF	18-Mar-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			89.7 %	52.4-130		6031727	JF	18-Mar-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			96.0 %	39.9-141		6031727	JF	18-Mar-26	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 23-Mar-26 12:36
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S - 11

H261502-08 (Soil)

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

Inorganic Compounds

Chloride	304		16.0	mg/kg	4	6031807	AC	18-Mar-26	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6031813	JH	18-Mar-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6031813	JH	18-Mar-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6031813	JH	18-Mar-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6031813	JH	18-Mar-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6031813	JH	18-Mar-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			109 %	70.4-141		6031813	JH	18-Mar-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6031727	JF	18-Mar-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6031727	JF	18-Mar-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6031727	JF	18-Mar-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			90.8 %	52.4-130		6031727	JF	18-Mar-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			97.3 %	39.9-141		6031727	JF	18-Mar-26	8015B	
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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 23-Mar-26 12:36
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S - 12

H261502-09 (Soil)

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

Inorganic Compounds

Chloride	304		16.0	mg/kg	4	6031807	AC	18-Mar-26	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6031814	JH	18-Mar-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6031814	JH	18-Mar-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6031814	JH	18-Mar-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6031814	JH	18-Mar-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6031814	JH	18-Mar-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			92.4 %		70.4-141	6031814	JH	18-Mar-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6031727	JF	18-Mar-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6031727	JF	18-Mar-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6031727	JF	18-Mar-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			85.3 %		52.4-130	6031727	JF	18-Mar-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			89.7 %		39.9-141	6031727	JF	18-Mar-26	8015B	
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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 23-Mar-26 12:36
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S - 13

H261502-10 (Soil)

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

Inorganic Compounds

Chloride	288		16.0	mg/kg	4	6031807	AC	18-Mar-26	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6031814	JH	18-Mar-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6031814	JH	18-Mar-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6031814	JH	18-Mar-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6031814	JH	18-Mar-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6031814	JH	18-Mar-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			91.5 %		70.4-141	6031814	JH	18-Mar-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6031727	JF	18-Mar-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6031727	JF	18-Mar-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6031727	JF	18-Mar-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			87.2 %		52.4-130	6031727	JF	18-Mar-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			93.2 %		39.9-141	6031727	JF	18-Mar-26	8015B	
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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 23-Mar-26 12:36
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S - 14

H261502-11 (Soil)

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

Inorganic Compounds

Chloride	320		16.0	mg/kg	4	6031807	AC	18-Mar-26	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6031814	JH	18-Mar-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6031814	JH	18-Mar-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6031814	JH	18-Mar-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6031814	JH	18-Mar-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6031814	JH	18-Mar-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			90.7 %		70.4-141	6031814	JH	18-Mar-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6031727	JF	18-Mar-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6031727	JF	18-Mar-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6031727	JF	18-Mar-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			87.6 %		52.4-130	6031727	JF	18-Mar-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			93.6 %		39.9-141	6031727	JF	18-Mar-26	8015B	
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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 23-Mar-26 12:36
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S - 15

H261502-12 (Soil)

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

Inorganic Compounds

Chloride	304		16.0	mg/kg	4	6031807	AC	18-Mar-26	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6031814	JH	18-Mar-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6031814	JH	18-Mar-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6031814	JH	18-Mar-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6031814	JH	18-Mar-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6031814	JH	18-Mar-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			92.5 %		70.4-141	6031814	JH	18-Mar-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6031727	JF	18-Mar-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6031727	JF	18-Mar-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6031727	JF	18-Mar-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			92.0 %		52.4-130	6031727	JF	18-Mar-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			98.8 %		39.9-141	6031727	JF	18-Mar-26	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 23-Mar-26 12:36
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S - 16

H261502-13 (Soil)

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

Inorganic Compounds

Chloride	32.0		16.0	mg/kg	4	6031807	AC	18-Mar-26	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6031814	JH	18-Mar-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6031814	JH	18-Mar-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6031814	JH	18-Mar-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6031814	JH	18-Mar-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6031814	JH	18-Mar-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			92.6 %	70.4-141		6031814	JH	18-Mar-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6031727	JF	18-Mar-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6031727	JF	18-Mar-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6031727	JF	18-Mar-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			78.6 %	52.4-130		6031727	JF	18-Mar-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			84.2 %	39.9-141		6031727	JF	18-Mar-26	8015B	
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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 23-Mar-26 12:36
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S - 17

H261502-14 (Soil)

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

Inorganic Compounds

Chloride	32.0		16.0	mg/kg	4	6031807	AC	18-Mar-26	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6031814	JH	18-Mar-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6031814	JH	18-Mar-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6031814	JH	18-Mar-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6031814	JH	18-Mar-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6031814	JH	18-Mar-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			92.0 %	70.4-141		6031814	JH	18-Mar-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6031727	JF	18-Mar-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6031727	JF	18-Mar-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6031727	JF	18-Mar-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			76.8 %	52.4-130		6031727	JF	18-Mar-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			82.5 %	39.9-141		6031727	JF	18-Mar-26	8015B	
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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 23-Mar-26 12:36
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S - 19

H261502-15 (Soil)

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

Inorganic Compounds

Chloride	208		16.0	mg/kg	4	6031807	AC	18-Mar-26	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6031814	JH	18-Mar-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6031814	JH	18-Mar-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6031814	JH	18-Mar-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6031814	JH	18-Mar-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6031814	JH	18-Mar-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			92.4 %		70.4-141	6031814	JH	18-Mar-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6031727	JF	18-Mar-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6031727	JF	18-Mar-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6031727	JF	18-Mar-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			90.1 %		52.4-130	6031727	JF	18-Mar-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			97.0 %		39.9-141	6031727	JF	18-Mar-26	8015B	
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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 23-Mar-26 12:36
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S - 20

H261502-16 (Soil)

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

Inorganic Compounds

Chloride	160		16.0	mg/kg	4	6031807	AC	18-Mar-26	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6031814	JH	18-Mar-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6031814	JH	18-Mar-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6031814	JH	18-Mar-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6031814	JH	18-Mar-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6031814	JH	18-Mar-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			92.9 %		70.4-141	6031814	JH	18-Mar-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6031727	JF	18-Mar-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6031727	JF	18-Mar-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6031727	JF	18-Mar-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			94.9 %		52.4-130	6031727	JF	18-Mar-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			102 %		39.9-141	6031727	JF	18-Mar-26	8015B	
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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 23-Mar-26 12:36
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S - 21

H261502-17 (Soil)

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

Inorganic Compounds

Chloride	176		16.0	mg/kg	4	6031807	AC	18-Mar-26	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6031814	JH	18-Mar-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6031814	JH	18-Mar-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6031814	JH	18-Mar-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6031814	JH	18-Mar-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6031814	JH	18-Mar-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			92.7 %		70.4-141	6031814	JH	18-Mar-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6031727	JF	18-Mar-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6031727	JF	18-Mar-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6031727	JF	18-Mar-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			92.5 %		52.4-130	6031727	JF	18-Mar-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			102 %		39.9-141	6031727	JF	18-Mar-26	8015B	
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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 23-Mar-26 12:36
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S - 22

H261502-18 (Soil)

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

Inorganic Compounds

Chloride	176		16.0	mg/kg	4	6031807	AC	18-Mar-26	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6031814	JH	18-Mar-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6031814	JH	18-Mar-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6031814	JH	18-Mar-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6031814	JH	18-Mar-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6031814	JH	18-Mar-26	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			92.8 %	70.4-141		6031814	JH	18-Mar-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6031727	JF	18-Mar-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6031727	JF	18-Mar-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6031727	JF	18-Mar-26	8015B	

Surrogate: 1-Chlorooctane			97.6 %	52.4-130		6031727	JF	18-Mar-26	8015B	
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Surrogate: 1-Chlorooctadecane			105 %	39.9-141		6031727	JF	18-Mar-26	8015B	
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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 23-Mar-26 12:36
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S - 26

H261502-19 (Soil)

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

Inorganic Compounds

Chloride	176		16.0	mg/kg	4	6031807	AC	18-Mar-26	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6031814	JH	18-Mar-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6031814	JH	18-Mar-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6031814	JH	18-Mar-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6031814	JH	18-Mar-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6031814	JH	18-Mar-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			92.8 %	70.4-141		6031814	JH	18-Mar-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6031727	JF	18-Mar-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6031727	JF	18-Mar-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6031727	JF	18-Mar-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			91.7 %	52.4-130		6031727	JF	18-Mar-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			97.8 %	39.9-141		6031727	JF	18-Mar-26	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 23-Mar-26 12:36
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S - 31

H261502-20 (Soil)

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

Inorganic Compounds

Chloride	176		16.0	mg/kg	4	6031807	AC	18-Mar-26	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6031814	JH	18-Mar-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6031814	JH	18-Mar-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6031814	JH	18-Mar-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6031814	JH	18-Mar-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6031814	JH	18-Mar-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			92.2 %		70.4-141	6031814	JH	18-Mar-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6031727	JF	18-Mar-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6031727	JF	18-Mar-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6031727	JF	18-Mar-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			95.2 %		52.4-130	6031727	JF	18-Mar-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			103 %		39.9-141	6031727	JF	18-Mar-26	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 23-Mar-26 12:36
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S - 32

H261502-21 (Soil)

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

Inorganic Compounds

Chloride	176		16.0	mg/kg	4	6031807	AC	18-Mar-26	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6031814	JH	18-Mar-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6031814	JH	18-Mar-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6031814	JH	18-Mar-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6031814	JH	18-Mar-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6031814	JH	18-Mar-26	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			92.4 %	70.4-141		6031814	JH	18-Mar-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6031727	JF	18-Mar-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6031727	JF	18-Mar-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6031727	JF	18-Mar-26	8015B	

Surrogate: 1-Chlorooctane			95.7 %	52.4-130		6031727	JF	18-Mar-26	8015B	
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Surrogate: 1-Chlorooctadecane			103 %	39.9-141		6031727	JF	18-Mar-26	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 23-Mar-26 12:36
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S - 33

H261502-22 (Soil)

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

Inorganic Compounds

Chloride	272		16.0	mg/kg	4	6031807	AC	18-Mar-26	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6031814	JH	18-Mar-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6031814	JH	18-Mar-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6031814	JH	18-Mar-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6031814	JH	18-Mar-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6031814	JH	18-Mar-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			93.2 %		70.4-141	6031814	JH	18-Mar-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6031727	JF	18-Mar-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6031727	JF	18-Mar-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6031727	JF	18-Mar-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			93.7 %		52.4-130	6031727	JF	18-Mar-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			100 %		39.9-141	6031727	JF	18-Mar-26	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 23-Mar-26 12:36
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S - 34

H261502-23 (Soil)

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

Inorganic Compounds

Chloride	288		16.0	mg/kg	4	6031808	AC	18-Mar-26	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6031814	JH	18-Mar-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6031814	JH	18-Mar-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6031814	JH	18-Mar-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6031814	JH	18-Mar-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6031814	JH	18-Mar-26	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			92.3 %	70.4-141		6031814	JH	18-Mar-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6031727	JF	18-Mar-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6031727	JF	18-Mar-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6031727	JF	18-Mar-26	8015B	

Surrogate: 1-Chlorooctane			92.3 %	52.4-130		6031727	JF	18-Mar-26	8015B	
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Surrogate: 1-Chlorooctadecane			97.6 %	39.9-141		6031727	JF	18-Mar-26	8015B	
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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 23-Mar-26 12:36
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S - 35

H261502-24 (Soil)

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

Inorganic Compounds

Chloride	256		16.0	mg/kg	4	6031808	AC	18-Mar-26	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6031814	JH	18-Mar-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6031814	JH	18-Mar-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6031814	JH	18-Mar-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6031814	JH	18-Mar-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6031814	JH	18-Mar-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			92.5 %	70.4-141		6031814	JH	18-Mar-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6031728	JF	18-Mar-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6031728	JF	18-Mar-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6031728	JF	18-Mar-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			101 %	52.4-130		6031728	JF	18-Mar-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			101 %	39.9-141		6031728	JF	18-Mar-26	8015B	
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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 23-Mar-26 12:36
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S - 36

H261502-25 (Soil)

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

Inorganic Compounds

Chloride	288		16.0	mg/kg	4	6031808	AC	18-Mar-26	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6031814	JH	18-Mar-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6031814	JH	18-Mar-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6031814	JH	18-Mar-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6031814	JH	18-Mar-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6031814	JH	18-Mar-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			93.3 %		70.4-141	6031814	JH	18-Mar-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6031728	JF	18-Mar-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6031728	JF	18-Mar-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6031728	JF	18-Mar-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			93.6 %		52.4-130	6031728	JF	18-Mar-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			94.1 %		39.9-141	6031728	JF	18-Mar-26	8015B	
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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 23-Mar-26 12:36
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S - 37

H261502-26 (Soil)

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

Inorganic Compounds

Chloride	288		16.0	mg/kg	4	6031808	AC	18-Mar-26	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6031814	JH	18-Mar-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6031814	JH	18-Mar-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6031814	JH	18-Mar-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6031814	JH	18-Mar-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6031814	JH	18-Mar-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			93.1 %		70.4-141	6031814	JH	18-Mar-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6031728	JF	18-Mar-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6031728	JF	18-Mar-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6031728	JF	18-Mar-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			106 %		52.4-130	6031728	JF	18-Mar-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			105 %		39.9-141	6031728	JF	18-Mar-26	8015B	
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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 23-Mar-26 12:36
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S - 38

H261502-27 (Soil)

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

Inorganic Compounds

Chloride	352		16.0	mg/kg	4	6031808	AC	18-Mar-26	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6031814	JH	18-Mar-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6031814	JH	18-Mar-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6031814	JH	18-Mar-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6031814	JH	18-Mar-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6031814	JH	18-Mar-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			94.0 %		70.4-141	6031814	JH	18-Mar-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6031728	JF	18-Mar-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6031728	JF	18-Mar-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6031728	JF	18-Mar-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			108 %		52.4-130	6031728	JF	18-Mar-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			109 %		39.9-141	6031728	JF	18-Mar-26	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 23-Mar-26 12:36
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S - 39

H261502-28 (Soil)

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

Inorganic Compounds

Chloride	688		16.0	mg/kg	4	6031808	AC	18-Mar-26	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6031814	JH	18-Mar-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6031814	JH	18-Mar-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6031814	JH	18-Mar-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6031814	JH	18-Mar-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6031814	JH	18-Mar-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			91.4 %		70.4-141	6031814	JH	18-Mar-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6031728	JF	18-Mar-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6031728	JF	18-Mar-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6031728	JF	18-Mar-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			105 %		52.4-130	6031728	JF	18-Mar-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			105 %		39.9-141	6031728	JF	18-Mar-26	8015B	
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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 23-Mar-26 12:36
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S - 40

H261502-29 (Soil)

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

Inorganic Compounds

Chloride	240		16.0	mg/kg	4	6031808	AC	18-Mar-26	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6031815	JH	18-Mar-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6031815	JH	18-Mar-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6031815	JH	18-Mar-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6031815	JH	18-Mar-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6031815	JH	18-Mar-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			97.3 %		70.4-141	6031815	JH	18-Mar-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6031728	JF	18-Mar-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6031728	JF	18-Mar-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6031728	JF	18-Mar-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			104 %		52.4-130	6031728	JF	18-Mar-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			104 %		39.9-141	6031728	JF	18-Mar-26	8015B	
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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 23-Mar-26 12:36
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S - 41

H261502-30 (Soil)

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

Inorganic Compounds

Chloride	304		16.0	mg/kg	4	6031808	AC	18-Mar-26	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6031815	JH	18-Mar-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6031815	JH	18-Mar-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6031815	JH	18-Mar-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6031815	JH	18-Mar-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6031815	JH	18-Mar-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			102 %	70.4-141		6031815	JH	18-Mar-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6031728	JF	18-Mar-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6031728	JF	18-Mar-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6031728	JF	18-Mar-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			109 %	52.4-130		6031728	JF	18-Mar-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			110 %	39.9-141		6031728	JF	18-Mar-26	8015B	
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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 23-Mar-26 12:36
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S - 42

H261502-31 (Soil)

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

Inorganic Compounds

Chloride	304		16.0	mg/kg	4	6031808	AC	18-Mar-26	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6031815	JH	18-Mar-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6031815	JH	18-Mar-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6031815	JH	18-Mar-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6031815	JH	18-Mar-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6031815	JH	18-Mar-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			99.0 %		70.4-141	6031815	JH	18-Mar-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6031728	JF	18-Mar-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6031728	JF	18-Mar-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6031728	JF	18-Mar-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			110 %		52.4-130	6031728	JF	18-Mar-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			111 %		39.9-141	6031728	JF	18-Mar-26	8015B	
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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 23-Mar-26 12:36
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S - 43

H261502-32 (Soil)

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

Inorganic Compounds

Chloride	1920		16.0	mg/kg	4	6031808	AC	18-Mar-26	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6031815	JH	18-Mar-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6031815	JH	18-Mar-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6031815	JH	18-Mar-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6031815	JH	18-Mar-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6031815	JH	18-Mar-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			102 %	70.4-141		6031815	JH	18-Mar-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6031728	JF	18-Mar-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6031728	JF	18-Mar-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6031728	JF	18-Mar-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			103 %	52.4-130		6031728	JF	18-Mar-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			103 %	39.9-141		6031728	JF	18-Mar-26	8015B	
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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 23-Mar-26 12:36
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S - 44

H261502-33 (Soil)

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

Inorganic Compounds

Chloride	4240		16.0	mg/kg	4	6031808	AC	18-Mar-26	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6031815	JH	18-Mar-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6031815	JH	18-Mar-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6031815	JH	18-Mar-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6031815	JH	18-Mar-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6031815	JH	18-Mar-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			97.2 %		70.4-141	6031815	JH	18-Mar-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6031728	JF	18-Mar-26	8015B	
DRO >C10-C28*	34.3		10.0	mg/kg	1	6031728	JF	18-Mar-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6031728	JF	18-Mar-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			103 %		52.4-130	6031728	JF	18-Mar-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			105 %		39.9-141	6031728	JF	18-Mar-26	8015B	
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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 23-Mar-26 12:36
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S - 45

H261502-34 (Soil)

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

Inorganic Compounds

Chloride	320		16.0	mg/kg	4	6031808	AC	18-Mar-26	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6031815	JH	18-Mar-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6031815	JH	18-Mar-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6031815	JH	18-Mar-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6031815	JH	18-Mar-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6031815	JH	18-Mar-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			100 %	70.4-141		6031815	JH	18-Mar-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6031728	JF	18-Mar-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6031728	JF	18-Mar-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6031728	JF	18-Mar-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			103 %	52.4-130		6031728	JF	18-Mar-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			104 %	39.9-141		6031728	JF	18-Mar-26	8015B	
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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 23-Mar-26 12:36
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S - 46

H261502-35 (Soil)

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

Inorganic Compounds

Chloride	352		16.0	mg/kg	4	6031808	AC	18-Mar-26	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6031815	JH	18-Mar-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6031815	JH	18-Mar-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6031815	JH	18-Mar-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6031815	JH	18-Mar-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6031815	JH	18-Mar-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			99.8 %		70.4-141	6031815	JH	18-Mar-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6031728	JF	18-Mar-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6031728	JF	18-Mar-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6031728	JF	18-Mar-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			104 %		52.4-130	6031728	JF	18-Mar-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			105 %		39.9-141	6031728	JF	18-Mar-26	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 23-Mar-26 12:36
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S - 47

H261502-36 (Soil)

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

Inorganic Compounds

Chloride	400		16.0	mg/kg	4	6031808	AC	18-Mar-26	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6031815	JH	18-Mar-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6031815	JH	18-Mar-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6031815	JH	18-Mar-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6031815	JH	18-Mar-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6031815	JH	18-Mar-26	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			101 %	70.4-141		6031815	JH	18-Mar-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6031728	JF	18-Mar-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6031728	JF	18-Mar-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6031728	JF	18-Mar-26	8015B	

Surrogate: 1-Chlorooctane			81.9 %	52.4-130		6031728	JF	18-Mar-26	8015B	
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Surrogate: 1-Chlorooctadecane			82.2 %	39.9-141		6031728	JF	18-Mar-26	8015B	
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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 23-Mar-26 12:36
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S - 48

H261502-37 (Soil)

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

Inorganic Compounds

Chloride	416		16.0	mg/kg	4	6031808	AC	18-Mar-26	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6031815	JH	18-Mar-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6031815	JH	18-Mar-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6031815	JH	18-Mar-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6031815	JH	18-Mar-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6031815	JH	18-Mar-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			96.9 %	70.4-141		6031815	JH	18-Mar-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6031728	JF	18-Mar-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6031728	JF	18-Mar-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6031728	JF	18-Mar-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			94.4 %	52.4-130		6031728	JF	18-Mar-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			94.3 %	39.9-141		6031728	JF	18-Mar-26	8015B	
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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 23-Mar-26 12:36
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B - 1

H261502-38 (Soil)

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

Inorganic Compounds

Chloride	1790		16.0	mg/kg	4	6031808	AC	18-Mar-26	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6031815	JH	18-Mar-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6031815	JH	18-Mar-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6031815	JH	18-Mar-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6031815	JH	18-Mar-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6031815	JH	18-Mar-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			102 %	70.4-141		6031815	JH	18-Mar-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6031728	JF	18-Mar-26	8015B	
DRO >C10-C28*	16.4		10.0	mg/kg	1	6031728	JF	18-Mar-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6031728	JF	18-Mar-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			83.3 %	52.4-130		6031728	JF	18-Mar-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			83.1 %	39.9-141		6031728	JF	18-Mar-26	8015B	
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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 23-Mar-26 12:36
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B - 2

H261502-39 (Soil)

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

Inorganic Compounds

Chloride	2400		16.0	mg/kg	4	6031808	AC	18-Mar-26	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6031815	JH	18-Mar-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6031815	JH	18-Mar-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6031815	JH	18-Mar-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6031815	JH	18-Mar-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6031815	JH	18-Mar-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			106 %	70.4-141		6031815	JH	18-Mar-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6031728	JF	18-Mar-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6031728	JF	18-Mar-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6031728	JF	18-Mar-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			82.9 %	52.4-130		6031728	JF	18-Mar-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			81.8 %	39.9-141		6031728	JF	18-Mar-26	8015B	
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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 23-Mar-26 12:36
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B - 3

H261502-40 (Soil)

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

Inorganic Compounds

Chloride	3600		16.0	mg/kg	4	6031808	AC	18-Mar-26	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6031815	JH	18-Mar-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6031815	JH	18-Mar-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6031815	JH	18-Mar-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6031815	JH	18-Mar-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6031815	JH	18-Mar-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			101 %	70.4-141		6031815	JH	18-Mar-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6031728	JF	18-Mar-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6031728	JF	18-Mar-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6031728	JF	18-Mar-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			96.8 %	52.4-130		6031728	JF	18-Mar-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			94.6 %	39.9-141		6031728	JF	18-Mar-26	8015B	
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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 23-Mar-26 12:36
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B - 4

H261502-41 (Soil)

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

Inorganic Compounds

Chloride	3800		16.0	mg/kg	4	6031808	AC	18-Mar-26	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6031815	JH	18-Mar-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6031815	JH	18-Mar-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6031815	JH	18-Mar-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6031815	JH	18-Mar-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6031815	JH	18-Mar-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			102 %	70.4-141		6031815	JH	18-Mar-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6031728	JF	18-Mar-26	8015B	
DRO >C10-C28*	10.7		10.0	mg/kg	1	6031728	JF	18-Mar-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6031728	JF	18-Mar-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			95.7 %	52.4-130		6031728	JF	18-Mar-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			93.6 %	39.9-141		6031728	JF	18-Mar-26	8015B	
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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 23-Mar-26 12:36
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B - 5

H261502-42 (Soil)

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

Inorganic Compounds

Chloride	800		16.0	mg/kg	4	6031808	AC	18-Mar-26	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6031815	JH	19-Mar-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6031815	JH	19-Mar-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6031815	JH	19-Mar-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6031815	JH	19-Mar-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6031815	JH	19-Mar-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			103 %	70.4-141		6031815	JH	19-Mar-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6031728	JF	18-Mar-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6031728	JF	18-Mar-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6031728	JF	18-Mar-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			92.2 %	52.4-130		6031728	JF	18-Mar-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			91.8 %	39.9-141		6031728	JF	18-Mar-26	8015B	
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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 23-Mar-26 12:36
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B - 6

H261502-43 (Soil)

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

Inorganic Compounds

Chloride	2640		16.0	mg/kg	4	6031809	KH	18-Mar-26	4500-Cl-B	QM-07
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6031815	JH	19-Mar-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6031815	JH	19-Mar-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6031815	JH	19-Mar-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6031815	JH	19-Mar-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6031815	JH	19-Mar-26	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 101 % 70.4-141 6031815 JH 19-Mar-26 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6031728	JF	18-Mar-26	8015B	
DRO >C10-C28*	19.2		10.0	mg/kg	1	6031728	JF	18-Mar-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6031728	JF	18-Mar-26	8015B	

Surrogate: 1-Chlorooctane 85.6 % 52.4-130 6031728 JF 18-Mar-26 8015B

Surrogate: 1-Chlorooctadecane 84.3 % 39.9-141 6031728 JF 18-Mar-26 8015B

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 23-Mar-26 12:36
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B - 7

H261502-44 (Soil)

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

Inorganic Compounds

Chloride	976		16.0	mg/kg	4	6031809	KH	18-Mar-26	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6031815	JH	19-Mar-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6031815	JH	19-Mar-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6031815	JH	19-Mar-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6031815	JH	19-Mar-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6031815	JH	19-Mar-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			102 %	70.4-141		6031815	JH	19-Mar-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6031729	JF	18-Mar-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6031729	JF	18-Mar-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6031729	JF	18-Mar-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			98.3 %	52.4-130		6031729	JF	18-Mar-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			105 %	39.9-141		6031729	JF	18-Mar-26	8015B	
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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 23-Mar-26 12:36
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B - 8

H261502-45 (Soil)

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

Inorganic Compounds

Chloride	2760		16.0	mg/kg	4	6031809	KH	18-Mar-26	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6031815	JH	19-Mar-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6031815	JH	19-Mar-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6031815	JH	19-Mar-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6031815	JH	19-Mar-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6031815	JH	19-Mar-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			102 %	70.4-141		6031815	JH	19-Mar-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6031729	JF	18-Mar-26	8015B	
DRO >C10-C28*	27.4		10.0	mg/kg	1	6031729	JF	18-Mar-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6031729	JF	18-Mar-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			92.9 %	52.4-130		6031729	JF	18-Mar-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			98.7 %	39.9-141		6031729	JF	18-Mar-26	8015B	
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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 23-Mar-26 12:36
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B - 9

H261502-46 (Soil)

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

Inorganic Compounds

Chloride	1820		16.0	mg/kg	4	6031809	KH	18-Mar-26	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6031815	JH	19-Mar-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6031815	JH	19-Mar-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6031815	JH	19-Mar-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6031815	JH	19-Mar-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6031815	JH	19-Mar-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			101 %	70.4-141		6031815	JH	19-Mar-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6031729	JF	18-Mar-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6031729	JF	18-Mar-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6031729	JF	18-Mar-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			90.4 %	52.4-130		6031729	JF	18-Mar-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			95.3 %	39.9-141		6031729	JF	18-Mar-26	8015B	
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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 23-Mar-26 12:36
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B - 10
H261502-47 (Soil)

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

Inorganic Compounds

Chloride	3320		16.0	mg/kg	4	6031809	KH	18-Mar-26	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6031815	JH	19-Mar-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6031815	JH	19-Mar-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6031815	JH	19-Mar-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6031815	JH	19-Mar-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6031815	JH	19-Mar-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			103 %	70.4-141		6031815	JH	19-Mar-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6031729	JF	18-Mar-26	8015B	
DRO >C10-C28*	36.0		10.0	mg/kg	1	6031729	JF	18-Mar-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6031729	JF	18-Mar-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			94.9 %	52.4-130		6031729	JF	18-Mar-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			101 %	39.9-141		6031729	JF	18-Mar-26	8015B	
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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 23-Mar-26 12:36
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B - 11
H261502-48 (Soil)

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

Inorganic Compounds

Chloride	3600		16.0	mg/kg	4	6031809	KH	18-Mar-26	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6031815	JH	19-Mar-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6031815	JH	19-Mar-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6031815	JH	19-Mar-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6031815	JH	19-Mar-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6031815	JH	19-Mar-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			102 %	70.4-141		6031815	JH	19-Mar-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6031729	JF	18-Mar-26	8015B	
DRO >C10-C28*	14.0		10.0	mg/kg	1	6031729	JF	18-Mar-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6031729	JF	18-Mar-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			101 %	52.4-130		6031729	JF	18-Mar-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			107 %	39.9-141		6031729	JF	18-Mar-26	8015B	
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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 23-Mar-26 12:36
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B - 12
H261502-49 (Soil)

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

Inorganic Compounds

Chloride	3080		16.0	mg/kg	4	6031809	KH	18-Mar-26	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6031816	JH	18-Mar-26	8021B	QM-07
Toluene*	<0.050		0.050	mg/kg	50	6031816	JH	18-Mar-26	8021B	QM-07
Ethylbenzene*	<0.050		0.050	mg/kg	50	6031816	JH	18-Mar-26	8021B	QM-07
Total Xylenes*	<0.150		0.150	mg/kg	50	6031816	JH	18-Mar-26	8021B	QM-07
Total BTEX	<0.300		0.300	mg/kg	50	6031816	JH	18-Mar-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			118 %	70.4-141		6031816	JH	18-Mar-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6031729	JF	18-Mar-26	8015B	
DRO >C10-C28*	46.3		10.0	mg/kg	1	6031729	JF	18-Mar-26	8015B	
EXT DRO >C28-C36	19.0		10.0	mg/kg	1	6031729	JF	18-Mar-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			96.1 %	52.4-130		6031729	JF	18-Mar-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			103 %	39.9-141		6031729	JF	18-Mar-26	8015B	
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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 23-Mar-26 12:36
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**B - 14
H261502-50 (Soil)**

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

Inorganic Compounds

Chloride	12900		16.0	mg/kg	4	6031809	KH	18-Mar-26	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6031816	JH	18-Mar-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6031816	JH	18-Mar-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6031816	JH	18-Mar-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6031816	JH	18-Mar-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6031816	JH	18-Mar-26	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			116 %	70.4-141		6031816	JH	18-Mar-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6031729	JF	18-Mar-26	8015B	
DRO >C10-C28*	309		10.0	mg/kg	1	6031729	JF	18-Mar-26	8015B	
EXT DRO >C28-C36	186		10.0	mg/kg	1	6031729	JF	18-Mar-26	8015B	

Surrogate: 1-Chlorooctane			102 %	52.4-130		6031729	JF	18-Mar-26	8015B	
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Surrogate: 1-Chlorooctadecane			112 %	39.9-141		6031729	JF	18-Mar-26	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 23-Mar-26 12:36
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B - 15
H261502-51 (Soil)

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

Inorganic Compounds

Chloride	400		16.0	mg/kg	4	6031809	KH	18-Mar-26	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6031816	JH	18-Mar-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6031816	JH	18-Mar-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6031816	JH	18-Mar-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6031816	JH	18-Mar-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6031816	JH	18-Mar-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			122 %	70.4-141		6031816	JH	18-Mar-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6031729	JF	18-Mar-26	8015B	
DRO >C10-C28*	1350		10.0	mg/kg	1	6031729	JF	18-Mar-26	8015B	
EXT DRO >C28-C36	821		10.0	mg/kg	1	6031729	JF	18-Mar-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			92.4 %	52.4-130		6031729	JF	18-Mar-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			107 %	39.9-141		6031729	JF	18-Mar-26	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 23-Mar-26 12:36
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B - 16
H261502-52 (Soil)

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

Inorganic Compounds

Chloride	1540		16.0	mg/kg	4	6031809	KH	18-Mar-26	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6031816	JH	18-Mar-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6031816	JH	18-Mar-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6031816	JH	18-Mar-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6031816	JH	18-Mar-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6031816	JH	18-Mar-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			109 %	70.4-141		6031816	JH	18-Mar-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6031729	JF	18-Mar-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6031729	JF	18-Mar-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6031729	JF	18-Mar-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			105 %	52.4-130		6031729	JF	18-Mar-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			112 %	39.9-141		6031729	JF	18-Mar-26	8015B	
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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 23-Mar-26 12:36
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B - 17
H261502-53 (Soil)

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

Inorganic Compounds

Chloride	1230		16.0	mg/kg	4	6031809	KH	18-Mar-26	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6031816	JH	18-Mar-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6031816	JH	18-Mar-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6031816	JH	18-Mar-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6031816	JH	18-Mar-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6031816	JH	18-Mar-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			110 %	70.4-141		6031816	JH	18-Mar-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6031729	JF	18-Mar-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6031729	JF	18-Mar-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6031729	JF	18-Mar-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			103 %	52.4-130		6031729	JF	18-Mar-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			109 %	39.9-141		6031729	JF	18-Mar-26	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 23-Mar-26 12:36
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B - 18
H261502-54 (Soil)

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

Inorganic Compounds

Chloride	2960		16.0	mg/kg	4	6031809	KH	18-Mar-26	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6031816	JH	18-Mar-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6031816	JH	18-Mar-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6031816	JH	18-Mar-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6031816	JH	18-Mar-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6031816	JH	18-Mar-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			110 %	70.4-141		6031816	JH	18-Mar-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6031729	JF	18-Mar-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6031729	JF	18-Mar-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6031729	JF	18-Mar-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			90.7 %	52.4-130		6031729	JF	18-Mar-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			96.5 %	39.9-141		6031729	JF	18-Mar-26	8015B	
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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 23-Mar-26 12:36
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B - 19
H261502-55 (Soil)

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

Inorganic Compounds

Chloride	1300		16.0	mg/kg	4	6031809	KH	18-Mar-26	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6031816	JH	18-Mar-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6031816	JH	18-Mar-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6031816	JH	18-Mar-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6031816	JH	18-Mar-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6031816	JH	18-Mar-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			109 %	70.4-141		6031816	JH	18-Mar-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6031729	JF	18-Mar-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6031729	JF	18-Mar-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6031729	JF	18-Mar-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			91.4 %	52.4-130		6031729	JF	18-Mar-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			96.8 %	39.9-141		6031729	JF	18-Mar-26	8015B	
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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 23-Mar-26 12:36
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B - 20
H261502-56 (Soil)

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

Inorganic Compounds

Chloride	1810		16.0	mg/kg	4	6031809	KH	18-Mar-26	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6031816	JH	18-Mar-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6031816	JH	18-Mar-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6031816	JH	18-Mar-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6031816	JH	18-Mar-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6031816	JH	18-Mar-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			106 %	70.4-141		6031816	JH	18-Mar-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6031729	JF	18-Mar-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6031729	JF	18-Mar-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6031729	JF	18-Mar-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			94.8 %	52.4-130		6031729	JF	18-Mar-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			99.9 %	39.9-141		6031729	JF	18-Mar-26	8015B	
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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 23-Mar-26 12:36
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B - 21
H261502-57 (Soil)

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

Inorganic Compounds

Chloride	5840		16.0	mg/kg	4	6031809	KH	18-Mar-26	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6031816	JH	18-Mar-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6031816	JH	18-Mar-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6031816	JH	18-Mar-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6031816	JH	18-Mar-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6031816	JH	18-Mar-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			117 %	70.4-141		6031816	JH	18-Mar-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6031729	JF	18-Mar-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6031729	JF	18-Mar-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6031729	JF	18-Mar-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			100 %	52.4-130		6031729	JF	18-Mar-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			106 %	39.9-141		6031729	JF	18-Mar-26	8015B	
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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 23-Mar-26 12:36
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B - 22
H261502-58 (Soil)

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

Inorganic Compounds

Chloride	1780		16.0	mg/kg	4	6031809	KH	18-Mar-26	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6031816	JH	19-Mar-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6031816	JH	19-Mar-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6031816	JH	19-Mar-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6031816	JH	19-Mar-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6031816	JH	19-Mar-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			109 %	70.4-141		6031816	JH	19-Mar-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6031729	JF	18-Mar-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6031729	JF	18-Mar-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6031729	JF	18-Mar-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			103 %	52.4-130		6031729	JF	18-Mar-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			109 %	39.9-141		6031729	JF	18-Mar-26	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 23-Mar-26 12:36
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B - 23
H261502-59 (Soil)

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

Inorganic Compounds

Chloride	3360		16.0	mg/kg	4	6031809	KH	18-Mar-26	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6031816	JH	19-Mar-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6031816	JH	19-Mar-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6031816	JH	19-Mar-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6031816	JH	19-Mar-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6031816	JH	19-Mar-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			123 %	70.4-141		6031816	JH	19-Mar-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6031729	JF	18-Mar-26	8015B	
DRO >C10-C28*	58.2		10.0	mg/kg	1	6031729	JF	18-Mar-26	8015B	
EXT DRO >C28-C36	29.9		10.0	mg/kg	1	6031729	JF	18-Mar-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			91.8 %	52.4-130		6031729	JF	18-Mar-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			99.2 %	39.9-141		6031729	JF	18-Mar-26	8015B	
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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 23-Mar-26 12:36
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B - 24
H261502-60 (Soil)

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

Inorganic Compounds

Chloride	3520		16.0	mg/kg	4	6031809	KH	18-Mar-26	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6031816	JH	19-Mar-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6031816	JH	19-Mar-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6031816	JH	19-Mar-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6031816	JH	19-Mar-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6031816	JH	19-Mar-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			115 %	70.4-141		6031816	JH	19-Mar-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6031729	JF	18-Mar-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6031729	JF	18-Mar-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6031729	JF	18-Mar-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			104 %	52.4-130		6031729	JF	18-Mar-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			111 %	39.9-141		6031729	JF	18-Mar-26	8015B	
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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 23-Mar-26 12:36
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B - 25
H261502-61 (Soil)

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

Inorganic Compounds

Chloride	13100		16.0	mg/kg	4	6031809	KH	18-Mar-26	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6031816	JH	19-Mar-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6031816	JH	19-Mar-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6031816	JH	19-Mar-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6031816	JH	19-Mar-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6031816	JH	19-Mar-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			112 %		70.4-141	6031816	JH	19-Mar-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6031729	JF	18-Mar-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6031729	JF	18-Mar-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6031729	JF	18-Mar-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			98.4 %		52.4-130	6031729	JF	18-Mar-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			103 %		39.9-141	6031729	JF	18-Mar-26	8015B	
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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 23-Mar-26 12:36
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B - 27
H261502-62 (Soil)

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

Inorganic Compounds

Chloride	2020		16.0	mg/kg	4	6031809	KH	18-Mar-26	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6031816	JH	19-Mar-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6031816	JH	19-Mar-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6031816	JH	19-Mar-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6031816	JH	19-Mar-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6031816	JH	19-Mar-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			109 %	70.4-141		6031816	JH	19-Mar-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6031729	JF	18-Mar-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6031729	JF	18-Mar-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6031729	JF	18-Mar-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			103 %	52.4-130		6031729	JF	18-Mar-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			108 %	39.9-141		6031729	JF	18-Mar-26	8015B	
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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 23-Mar-26 12:36
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B - 28
H261502-63 (Soil)

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

Inorganic Compounds

Chloride	272		16.0	mg/kg	4	6031810	AC	18-Mar-26	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6031816	JH	19-Mar-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6031816	JH	19-Mar-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6031816	JH	19-Mar-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6031816	JH	19-Mar-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6031816	JH	19-Mar-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			112 %	70.4-141		6031816	JH	19-Mar-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6031729	JF	18-Mar-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6031729	JF	18-Mar-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6031729	JF	18-Mar-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			105 %	52.4-130		6031729	JF	18-Mar-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			111 %	39.9-141		6031729	JF	18-Mar-26	8015B	
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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 23-Mar-26 12:36
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B - 30
H261502-64 (Soil)

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

Inorganic Compounds

Chloride	992		16.0	mg/kg	4	6031810	AC	18-Mar-26	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6031816	JH	19-Mar-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6031816	JH	19-Mar-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6031816	JH	19-Mar-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6031816	JH	19-Mar-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6031816	JH	19-Mar-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			108 %	70.4-141		6031816	JH	19-Mar-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6031730	JF	18-Mar-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6031730	JF	18-Mar-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6031730	JF	18-Mar-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			71.4 %	52.4-130		6031730	JF	18-Mar-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			69.4 %	39.9-141		6031730	JF	18-Mar-26	8015B	
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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 23-Mar-26 12:36
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B - 31
H261502-65 (Soil)

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

Inorganic Compounds

Chloride	1890		16.0	mg/kg	4	6031810	AC	18-Mar-26	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6031816	JH	19-Mar-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6031816	JH	19-Mar-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6031816	JH	19-Mar-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6031816	JH	19-Mar-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6031816	JH	19-Mar-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			109 %	70.4-141		6031816	JH	19-Mar-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6031730	JF	18-Mar-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6031730	JF	18-Mar-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6031730	JF	18-Mar-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			74.1 %	52.4-130		6031730	JF	18-Mar-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			73.9 %	39.9-141		6031730	JF	18-Mar-26	8015B	
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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 23-Mar-26 12:36
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S - 49

H261502-66 (Soil)

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

Inorganic Compounds

Chloride	4240		16.0	mg/kg	4	6031810	AC	18-Mar-26	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6031816	JH	19-Mar-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6031816	JH	19-Mar-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6031816	JH	19-Mar-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6031816	JH	19-Mar-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6031816	JH	19-Mar-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			120 %	70.4-141		6031816	JH	19-Mar-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6031730	JF	18-Mar-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6031730	JF	18-Mar-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6031730	JF	18-Mar-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			98.8 %	52.4-130		6031730	JF	18-Mar-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			93.1 %	39.9-141		6031730	JF	18-Mar-26	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 23-Mar-26 12:36
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S - 50

H261502-67 (Soil)

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

Chloride	352		16.0	mg/kg	4	6031810	AC	18-Mar-26	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	6031816	JH	19-Mar-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6031816	JH	19-Mar-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6031816	JH	19-Mar-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6031816	JH	19-Mar-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6031816	JH	19-Mar-26	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			111 %	70.4-141		6031816	JH	19-Mar-26	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	6031730	JF	18-Mar-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6031730	JF	18-Mar-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6031730	JF	18-Mar-26	8015B	

<i>Surrogate: 1-Chlorooctane</i>			91.4 %	52.4-130		6031730	JF	18-Mar-26	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			89.1 %	39.9-141		6031730	JF	18-Mar-26	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 23-Mar-26 12:36
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Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6031805 - 1:4 DI Water										
Blank (6031805-BLK1)										
				Prepared & Analyzed: 18-Mar-26						
Chloride	ND	16.0	mg/kg							
LCS (6031805-BS1)										
				Prepared & Analyzed: 18-Mar-26						
Chloride	416	16.0	mg/kg	400		104	80-120			
LCS Dup (6031805-BSD1)										
				Prepared & Analyzed: 18-Mar-26						
Chloride	432	16.0	mg/kg	400		108	80-120	3.77	20	
Duplicate (6031805-DUP1)										
				Source: H261501-34			Prepared & Analyzed: 18-Mar-26			
Chloride	1780	16.0	mg/kg		1790			0.897	20	
Matrix Spike (6031805-MS1)										
				Source: H261501-34			Prepared & Analyzed: 18-Mar-26			
Chloride	2270	16.0	mg/kg	400	1790	120	80-120			
Batch 6031807 - 1:4 DI Water										
Blank (6031807-BLK1)										
				Prepared & Analyzed: 18-Mar-26						
Chloride	ND	16.0	mg/kg							
LCS (6031807-BS1)										
				Prepared & Analyzed: 18-Mar-26						
Chloride	448	16.0	mg/kg	400		112	80-120			
LCS Dup (6031807-BSD1)										
				Prepared & Analyzed: 18-Mar-26						
Chloride	432	16.0	mg/kg	400		108	80-120	3.64	20	
Duplicate (6031807-DUP1)										
				Source: H261502-03			Prepared & Analyzed: 18-Mar-26			
Chloride	160	16.0	mg/kg		160			0.00	20	

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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 23-Mar-26 12:36
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Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 6031807 - 1:4 DI Water

Matrix Spike (6031807-MS1)		Source: H261502-03		Prepared & Analyzed: 18-Mar-26						
Chloride	604	16.0	mg/kg	400	160	111	80-120			

Batch 6031808 - 1:4 DI Water

Blank (6031808-BLK1)		Prepared & Analyzed: 18-Mar-26								
Chloride	ND	16.0	mg/kg							

LCS (6031808-BS1)		Prepared & Analyzed: 18-Mar-26								
Chloride	416	16.0	mg/kg	400		104	80-120			

LCS Dup (6031808-BSD1)		Prepared & Analyzed: 18-Mar-26								
Chloride	416	16.0	mg/kg	400		104	80-120	0.00	20	

Duplicate (6031808-DUP1)		Source: H261502-23		Prepared & Analyzed: 18-Mar-26						
Chloride	304	16.0	mg/kg		288			5.41	20	

Matrix Spike (6031808-MS1)		Source: H261502-23		Prepared & Analyzed: 18-Mar-26						
Chloride	1420	16.0	mg/kg	1000	288	113	80-120			

Batch 6031809 - 1:4 DI Water

Blank (6031809-BLK1)		Prepared & Analyzed: 18-Mar-26								
Chloride	ND	16.0	mg/kg							

LCS (6031809-BS1)		Prepared & Analyzed: 18-Mar-26								
Chloride	416	16.0	mg/kg	400		104	80-120			

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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 23-Mar-26 12:36
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Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 6031809 - 1:4 DI Water

LCS Dup (6031809-BSD1)				Prepared & Analyzed: 18-Mar-26						
Chloride	416	16.0	mg/kg	400		104	80-120	0.00	20	
Duplicate (6031809-DUP1)				Source: H261502-43 Prepared & Analyzed: 18-Mar-26						
Chloride	2640	16.0	mg/kg		2640			0.00	20	
Matrix Spike (6031809-MS1)				Source: H261502-43 Prepared & Analyzed: 18-Mar-26						
Chloride	3280	16.0	mg/kg	400	2640	160	80-120			QM-07

Batch 6031810 - 1:4 DI Water

Blank (6031810-BLK1)				Prepared & Analyzed: 18-Mar-26						
Chloride	ND	16.0	mg/kg							
LCS (6031810-BS1)				Prepared & Analyzed: 18-Mar-26						
Chloride	432	16.0	mg/kg	400		108	80-120			
LCS Dup (6031810-BSD1)				Prepared & Analyzed: 18-Mar-26						
Chloride	448	16.0	mg/kg	400		112	80-120	3.64	20	
Duplicate (6031810-DUP1)				Source: H261502-63 Prepared & Analyzed: 18-Mar-26						
Chloride	240	16.0	mg/kg		272			12.5	20	
Matrix Spike (6031810-MS1)				Source: H261502-63 Prepared & Analyzed: 18-Mar-26						
Chloride	656	16.0	mg/kg	400	272	96.0	80-120			

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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 23-Mar-26 12:36
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Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 6031813 - Volatiles

Blank (6031813-BLK1)

Prepared & Analyzed: 18-Mar-26

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.100		mg/kg	0.100		100	70.4-141			

LCS (6031813-BS1)

Prepared & Analyzed: 18-Mar-26

Benzene	2.14	0.050	mg/kg	2.00		107	71-111			
Toluene	2.10	0.050	mg/kg	2.00		105	75-116			
Ethylbenzene	2.11	0.050	mg/kg	2.00		106	74.2-119			
m,p-Xylene	4.23	0.100	mg/kg	4.00		106	72.5-123			
o-Xylene	2.17	0.050	mg/kg	2.00		108	70.5-124			
Total Xylenes	6.40	0.150	mg/kg	6.00		107	72.2-123			
Surrogate: 4-Bromofluorobenzene (PID)	0.0968		mg/kg	0.100		96.8	70.4-141			

LCS Dup (6031813-BSD1)

Prepared & Analyzed: 18-Mar-26

Benzene	2.12	0.050	mg/kg	2.00		106	71-111	0.988	17.6	
Toluene	2.10	0.050	mg/kg	2.00		105	75-116	0.0612	14.8	
Ethylbenzene	2.16	0.050	mg/kg	2.00		108	74.2-119	2.12	14.2	
m,p-Xylene	4.42	0.100	mg/kg	4.00		111	72.5-123	4.40	13.6	
o-Xylene	2.26	0.050	mg/kg	2.00		113	70.5-124	4.37	13.7	
Total Xylenes	6.68	0.150	mg/kg	6.00		111	72.2-123	4.39	13.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.108		mg/kg	0.100		108	70.4-141			

Matrix Spike (6031813-MS1)

Source: H261501-40

Prepared & Analyzed: 18-Mar-26

Benzene	2.37	0.050	mg/kg	2.00	ND	118	59.5-111			QM-07
Toluene	2.58	0.050	mg/kg	2.00	ND	129	65-115			QM-07
Ethylbenzene	2.76	0.050	mg/kg	2.00	ND	138	65.7-117			QM-07
m,p-Xylene	5.58	0.100	mg/kg	4.00	ND	139	58.6-127			QM-07
o-Xylene	2.83	0.050	mg/kg	2.00	ND	142	62.2-123			QM-07
Total Xylenes	8.41	0.150	mg/kg	6.00	ND	140	62.8-123			QM-07

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CRAIN ENVIRONMENTAL
2925 E. 17TH STREET
ODESSA TX, 79761

Project: SOUTH VACUUM #274 FLOW LINE
Project Number: nAPP2528757355
Project Manager: CINDY CRAIN
Fax To: (432) 272-0304

Reported:
23-Mar-26 12:36

Volatile Organic Compounds by EPA Method 8021 - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 6031813 - Volatiles**Matrix Spike (6031813-MS1)**

Source: H261501-40

Prepared & Analyzed: 18-Mar-26

Surrogate: 4-Bromofluorobenzene (PID)	0.118		mg/kg	0.100		118	70.4-141			
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Matrix Spike Dup (6031813-MSD1)

Source: H261501-40

Prepared & Analyzed: 18-Mar-26

Benzene	2.33	0.050	mg/kg	2.00	ND	116	59.5-111	1.65	7.19	QM-07
Toluene	2.34	0.050	mg/kg	2.00	ND	117	65-115	9.83	7.68	QM-07, QR-03
Ethylbenzene	2.46	0.050	mg/kg	2.00	ND	123	65.7-117	11.5	8.6	QM-07, QR-03
m,p-Xylene	4.90	0.100	mg/kg	4.00	ND	122	58.6-127	13.0	8.91	QR-03
o-Xylene	2.49	0.050	mg/kg	2.00	ND	125	62.2-123	12.6	9.01	QM-07, QR-03
Total Xylenes	7.39	0.150	mg/kg	6.00	ND	123	62.8-123	12.9	8.88	QR-03
Surrogate: 4-Bromofluorobenzene (PID)	0.104		mg/kg	0.100		104	70.4-141			

Batch 6031814 - Volatiles**Blank (6031814-BLK1)**

Prepared & Analyzed: 18-Mar-26

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	ND		mg/kg	0.0500		93.6	70.4-141			

LCS (6031814-BS1)

Prepared & Analyzed: 18-Mar-26

Benzene	1.99	0.050	mg/kg	2.00		99.7	71-111			
Toluene	1.75	0.050	mg/kg	2.00		87.7	75-116			
Ethylbenzene	1.72	0.050	mg/kg	2.00		85.8	74.2-119			
m,p-Xylene	3.38	0.100	mg/kg	4.00		84.6	72.5-123			
o-Xylene	1.70	0.050	mg/kg	2.00		85.0	70.5-124			
Total Xylenes	5.08	0.150	mg/kg	6.00		84.7	72.2-123			
Surrogate: 4-Bromofluorobenzene (PID)	0.0452		mg/kg	0.0500		90.5	70.4-141			

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Analytical Results For:

CRAIN ENVIRONMENTAL
2925 E. 17TH STREET
ODESSA TX, 79761

Project: SOUTH VACUUM #274 FLOW LINE
Project Number: nAPP2528757355
Project Manager: CINDY CRAIN
Fax To: (432) 272-0304

Reported:
23-Mar-26 12:36

Volatile Organic Compounds by EPA Method 8021 - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 6031814 - Volatiles**LCS Dup (6031814-BSD1)**

Prepared & Analyzed: 18-Mar-26

Benzene	2.06	0.050	mg/kg	2.00		103	71-111	3.34	17.6	
Toluene	1.81	0.050	mg/kg	2.00		90.7	75-116	3.46	14.8	
Ethylbenzene	1.78	0.050	mg/kg	2.00		89.0	74.2-119	3.67	14.2	
m,p-Xylene	3.51	0.100	mg/kg	4.00		87.8	72.5-123	3.73	13.6	
o-Xylene	1.76	0.050	mg/kg	2.00		88.1	70.5-124	3.67	13.7	
Total Xylenes	5.28	0.150	mg/kg	6.00		87.9	72.2-123	3.71	13.3	

Surrogate: 4-Bromofluorobenzene (PID) 0.0452 mg/kg 0.0500 90.5 70.4-141

Matrix Spike (6031814-MS1)

Source: H261502-09

Prepared & Analyzed: 18-Mar-26

Benzene	2.10	0.050	mg/kg	2.00	ND	105	59.5-111			
Toluene	1.86	0.050	mg/kg	2.00	ND	93.1	65-115			
Ethylbenzene	1.82	0.050	mg/kg	2.00	ND	91.2	65.7-117			
m,p-Xylene	3.59	0.100	mg/kg	4.00	ND	89.7	58.6-127			
o-Xylene	1.81	0.050	mg/kg	2.00	ND	90.3	62.2-123			
Total Xylenes	5.40	0.150	mg/kg	6.00	ND	89.9	62.8-123			

Surrogate: 4-Bromofluorobenzene (PID) 0.0449 mg/kg 0.0500 89.8 70.4-141

Matrix Spike Dup (6031814-MSD1)

Source: H261502-09

Prepared & Analyzed: 18-Mar-26

Benzene	2.15	0.050	mg/kg	2.00	ND	108	59.5-111	2.39	7.19	
Toluene	1.91	0.050	mg/kg	2.00	ND	95.6	65-115	2.63	7.68	
Ethylbenzene	1.86	0.050	mg/kg	2.00	ND	93.2	65.7-117	2.06	8.6	
m,p-Xylene	3.66	0.100	mg/kg	4.00	ND	91.6	58.6-127	2.07	8.91	
o-Xylene	1.84	0.050	mg/kg	2.00	ND	92.1	62.2-123	1.95	9.01	
Total Xylenes	5.51	0.150	mg/kg	6.00	ND	91.8	62.8-123	2.03	8.88	

Surrogate: 4-Bromofluorobenzene (PID) 0.0450 mg/kg 0.0500 90.0 70.4-141

Batch 6031815 - Volatiles**Blank (6031815-BLK1)**

Prepared & Analyzed: 18-Mar-26

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

CRAIN ENVIRONMENTAL
2925 E. 17TH STREET
ODESSA TX, 79761

Project: SOUTH VACUUM #274 FLOW LINE
Project Number: nAPP2528757355
Project Manager: CINDY CRAIN
Fax To: (432) 272-0304

Reported:
23-Mar-26 12:36

Volatile Organic Compounds by EPA Method 8021 - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 6031815 - Volatiles**Blank (6031815-BLK1)**

Prepared & Analyzed: 18-Mar-26

Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0519		mg/kg	0.0500		104	70.4-141			

LCS (6031815-BS1)

Prepared & Analyzed: 18-Mar-26

Benzene	1.94	0.050	mg/kg	2.00		96.9	71-111			
Toluene	2.05	0.050	mg/kg	2.00		102	75-116			
Ethylbenzene	2.18	0.050	mg/kg	2.00		109	74.2-119			
m,p-Xylene	4.42	0.100	mg/kg	4.00		111	72.5-123			
o-Xylene	2.16	0.050	mg/kg	2.00		108	70.5-124			
Total Xylenes	6.58	0.150	mg/kg	6.00		110	72.2-123			
Surrogate: 4-Bromofluorobenzene (PID)	0.0502		mg/kg	0.0500		100	70.4-141			

LCS Dup (6031815-BSD1)

Prepared & Analyzed: 18-Mar-26

Benzene	1.94	0.050	mg/kg	2.00		97.0	71-111	0.0941	17.6	
Toluene	2.00	0.050	mg/kg	2.00		100	75-116	2.28	14.8	
Ethylbenzene	2.13	0.050	mg/kg	2.00		106	74.2-119	2.24	14.2	
m,p-Xylene	4.34	0.100	mg/kg	4.00		108	72.5-123	1.96	13.6	
o-Xylene	2.12	0.050	mg/kg	2.00		106	70.5-124	1.90	13.7	
Total Xylenes	6.45	0.150	mg/kg	6.00		108	72.2-123	1.94	13.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0509		mg/kg	0.0500		102	70.4-141			

Matrix Spike (6031815-MS1)

Source: H261502-29

Prepared: 18-Mar-26 Analyzed: 19-Mar-26

Benzene	2.17	0.050	mg/kg	2.00	ND	108	59.5-111			
Toluene	2.20	0.050	mg/kg	2.00	ND	110	65-115			
Ethylbenzene	2.32	0.050	mg/kg	2.00	ND	116	65.7-117			
m,p-Xylene	4.67	0.100	mg/kg	4.00	ND	117	58.6-127			
o-Xylene	2.28	0.050	mg/kg	2.00	ND	114	62.2-123			
Total Xylenes	6.95	0.150	mg/kg	6.00	ND	116	62.8-123			
Surrogate: 4-Bromofluorobenzene (PID)	0.0511		mg/kg	0.0500		102	70.4-141			

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

CRAIN ENVIRONMENTAL
2925 E. 17TH STREET
ODESSA TX, 79761

Project: SOUTH VACUUM #274 FLOW LINE
Project Number: nAPP2528757355
Project Manager: CINDY CRAIN
Fax To: (432) 272-0304

Reported:
23-Mar-26 12:36

Volatile Organic Compounds by EPA Method 8021 - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 6031815 - Volatiles**Matrix Spike Dup (6031815-MSD1)**

Source: H261502-29

Prepared: 18-Mar-26 Analyzed: 19-Mar-26

Benzene	2.14	0.050	mg/kg	2.00	ND	107	59.5-111	1.44	7.19	
Toluene	2.18	0.050	mg/kg	2.00	ND	109	65-115	0.937	7.68	
Ethylbenzene	2.29	0.050	mg/kg	2.00	ND	114	65.7-117	1.16	8.6	
m,p-Xylene	4.63	0.100	mg/kg	4.00	ND	116	58.6-127	0.830	8.91	
o-Xylene	2.26	0.050	mg/kg	2.00	ND	113	62.2-123	0.855	9.01	
Total Xylenes	6.89	0.150	mg/kg	6.00	ND	115	62.8-123	0.839	8.88	

Surrogate: 4-Bromofluorobenzene (PID)

0.0511

mg/kg

0.0500

102

70.4-141

Batch 6031816 - Volatiles**Blank (6031816-BLK1)**

Prepared & Analyzed: 18-Mar-26

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							

Surrogate: 4-Bromofluorobenzene (PID)

0.109

mg/kg

0.100

109

70.4-141

LCS (6031816-BS1)

Prepared & Analyzed: 18-Mar-26

Benzene	2.22	0.050	mg/kg	2.00		111	71-111			
Toluene	2.30	0.050	mg/kg	2.00		115	75-116			
Ethylbenzene	2.49	0.050	mg/kg	2.00		125	74.2-119			BS-3
m,p-Xylene	5.02	0.100	mg/kg	4.00		126	72.5-123			BS-3
o-Xylene	2.56	0.050	mg/kg	2.00		128	70.5-124			BS-3
Total Xylenes	7.58	0.150	mg/kg	6.00		126	72.2-123			BS-3

Surrogate: 4-Bromofluorobenzene (PID)

0.112

mg/kg

0.100

112

70.4-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CRAIN ENVIRONMENTAL
2925 E. 17TH STREET
ODESSA TX, 79761

Project: SOUTH VACUUM #274 FLOW LINE
Project Number: nAPP2528757355
Project Manager: CINDY CRAIN
Fax To: (432) 272-0304

Reported:
23-Mar-26 12:36

Volatile Organic Compounds by EPA Method 8021 - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 6031816 - Volatiles**LCS Dup (6031816-BSD1)**

Prepared & Analyzed: 18-Mar-26

Benzene	2.24	0.050	mg/kg	2.00		112	71-111	0.605	17.6	BS-3
Toluene	2.23	0.050	mg/kg	2.00		112	75-116	3.09	14.8	
Ethylbenzene	2.36	0.050	mg/kg	2.00		118	74.2-119	5.41	14.2	
m,p-Xylene	4.74	0.100	mg/kg	4.00		118	72.5-123	5.84	13.6	
o-Xylene	2.42	0.050	mg/kg	2.00		121	70.5-124	5.65	13.7	
Total Xylenes	7.16	0.150	mg/kg	6.00		119	72.2-123	5.77	13.3	

Surrogate: 4-Bromofluorobenzene (PID) 0.111 mg/kg 0.100 111 70.4-141

Matrix Spike (6031816-MS1)

Source: H261502-49

Prepared: 18-Mar-26 Analyzed: 19-Mar-26

Benzene	2.38	0.050	mg/kg	2.00	ND	119	59.5-111			QM-07
Toluene	2.52	0.050	mg/kg	2.00	ND	126	65-115			QM-07
Ethylbenzene	2.76	0.050	mg/kg	2.00	ND	138	65.7-117			QM-07
m,p-Xylene	5.49	0.100	mg/kg	4.00	ND	137	58.6-127			QM-07
o-Xylene	2.78	0.050	mg/kg	2.00	ND	139	62.2-123			QM-07
Total Xylenes	8.27	0.150	mg/kg	6.00	ND	138	62.8-123			QM-07

Surrogate: 4-Bromofluorobenzene (PID) 0.116 mg/kg 0.100 116 70.4-141

Matrix Spike Dup (6031816-MSD1)

Source: H261502-49

Prepared: 18-Mar-26 Analyzed: 19-Mar-26

Benzene	2.36	0.050	mg/kg	2.00	ND	118	59.5-111	0.769	7.19	QM-07
Toluene	2.60	0.050	mg/kg	2.00	ND	130	65-115	3.03	7.68	QM-07
Ethylbenzene	2.79	0.050	mg/kg	2.00	ND	140	65.7-117	1.22	8.6	QM-07
m,p-Xylene	5.55	0.100	mg/kg	4.00	ND	139	58.6-127	1.07	8.91	QM-07
o-Xylene	2.77	0.050	mg/kg	2.00	ND	139	62.2-123	0.229	9.01	QM-07
Total Xylenes	8.33	0.150	mg/kg	6.00	ND	139	62.8-123	0.639	8.88	QM-07

Surrogate: 4-Bromofluorobenzene (PID) 0.117 mg/kg 0.100 117 70.4-141

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 23-Mar-26 12:36
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Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 6031726 - General Prep - Organics

Blank (6031726-BLK1) Prepared: 17-Mar-26 Analyzed: 18-Mar-26

GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	53.3		mg/kg	50.0		107	52.4-130			
Surrogate: 1-Chlorooctadecane	51.1		mg/kg	50.0		102	39.9-141			

LCS (6031726-BS1) Prepared: 17-Mar-26 Analyzed: 18-Mar-26

GRO C6-C10	215	10.0	mg/kg	200		107	78.7-123			
DRO >C10-C28	215	10.0	mg/kg	200		107	74.8-123			
Total TPH C6-C28	429	10.0	mg/kg	400		107	78.6-121			
Surrogate: 1-Chlorooctane	57.5		mg/kg	50.0		115	52.4-130			
Surrogate: 1-Chlorooctadecane	54.9		mg/kg	50.0		110	39.9-141			

LCS Dup (6031726-BS1) Prepared: 17-Mar-26 Analyzed: 18-Mar-26

GRO C6-C10	216	10.0	mg/kg	200		108	78.7-123	0.762	11.3	
DRO >C10-C28	219	10.0	mg/kg	200		109	74.8-123	1.95	10.9	
Total TPH C6-C28	435	10.0	mg/kg	400		109	78.6-121	1.36	10.5	
Surrogate: 1-Chlorooctane	55.8		mg/kg	50.0		112	52.4-130			
Surrogate: 1-Chlorooctadecane	54.2		mg/kg	50.0		108	39.9-141			

Matrix Spike (6031726-MS1) Source: H261501-35 Prepared: 17-Mar-26 Analyzed: 18-Mar-26

GRO C6-C10	211	10.0	mg/kg	200	ND	106	62-135			
DRO >C10-C28	219	10.0	mg/kg	200	ND	109	47-147			
Total TPH C6-C28	430	10.0	mg/kg	400	2.28	107	50.5-136			
Surrogate: 1-Chlorooctane	43.5		mg/kg	50.0		87.1	52.4-130			
Surrogate: 1-Chlorooctadecane	44.7		mg/kg	50.0		89.4	39.9-141			

Matrix Spike Dup (6031726-MSD1) Source: H261501-35 Prepared: 17-Mar-26 Analyzed: 18-Mar-26

GRO C6-C10	213	10.0	mg/kg	200	ND	106	62-135	0.705	19.4	
DRO >C10-C28	218	10.0	mg/kg	200	ND	109	47-147	0.535	50.6	
Total TPH C6-C28	430	10.0	mg/kg	400	2.28	107	50.5-136	0.0764	426	
Surrogate: 1-Chlorooctane	43.6		mg/kg	50.0		87.1	52.4-130			

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 23-Mar-26 12:36
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Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 6031726 - General Prep - Organics

Matrix Spike Dup (6031726-MSD1)	Source: H261501-35		Prepared: 17-Mar-26 Analyzed: 18-Mar-26							
<i>Surrogate: 1-Chlorooctadecane</i>	44.3		mg/kg	50.0		88.7	39.9-141			

Batch 6031727 - General Prep - Organics

Blank (6031727-BLK1)	Prepared: 17-Mar-26 Analyzed: 18-Mar-26									
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GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
<i>Surrogate: 1-Chlorooctane</i>	49.4		mg/kg	50.0		98.7	52.4-130			
<i>Surrogate: 1-Chlorooctadecane</i>	54.1		mg/kg	50.0		108	39.9-141			

LCS (6031727-BS1)	Prepared: 17-Mar-26 Analyzed: 18-Mar-26									
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GRO C6-C10	189	10.0	mg/kg	200		94.5	78.7-123			
DRO >C10-C28	183	10.0	mg/kg	200		91.3	74.8-123			
Total TPH C6-C28	372	10.0	mg/kg	400		92.9	78.6-121			
<i>Surrogate: 1-Chlorooctane</i>	53.5		mg/kg	50.0		107	52.4-130			
<i>Surrogate: 1-Chlorooctadecane</i>	58.9		mg/kg	50.0		118	39.9-141			

LCS Dup (6031727-BSD1)	Prepared: 17-Mar-26 Analyzed: 18-Mar-26									
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GRO C6-C10	191	10.0	mg/kg	200		95.4	78.7-123	1.03	11.3	
DRO >C10-C28	182	10.0	mg/kg	200		91.0	74.8-123	0.319	10.9	
Total TPH C6-C28	373	10.0	mg/kg	400		93.2	78.6-121	0.371	10.5	
<i>Surrogate: 1-Chlorooctane</i>	52.5		mg/kg	50.0		105	52.4-130			
<i>Surrogate: 1-Chlorooctadecane</i>	58.1		mg/kg	50.0		116	39.9-141			

Matrix Spike (6031727-MS1)	Source: H261502-04		Prepared: 17-Mar-26 Analyzed: 18-Mar-26							
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GRO C6-C10	157	10.0	mg/kg	200	ND	78.7	62-135			
DRO >C10-C28	155	10.0	mg/kg	200	ND	77.7	47-147			
Total TPH C6-C28	313	10.0	mg/kg	400	ND	78.2	50.5-136			
<i>Surrogate: 1-Chlorooctane</i>	39.9		mg/kg	50.0		79.9	52.4-130			
<i>Surrogate: 1-Chlorooctadecane</i>	43.2		mg/kg	50.0		86.4	39.9-141			

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 23-Mar-26 12:36
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Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 6031727 - General Prep - Organics

Matrix Spike Dup (6031727-MSD1)	Source: H261502-04			Prepared: 17-Mar-26 Analyzed: 18-Mar-26						
GRO C6-C10	168	10.0	mg/kg	200	ND	83.8	62-135	6.18	19.4	
DRO >C10-C28	164	10.0	mg/kg	200	ND	82.2	47-147	5.64	50.6	
Total TPH C6-C28	332	10.0	mg/kg	400	ND	83.0	50.5-136	5.91	426	
Surrogate: 1-Chlorooctane	42.1		mg/kg	50.0		84.2	52.4-130			
Surrogate: 1-Chlorooctadecane	45.6		mg/kg	50.0		91.2	39.9-141			

Batch 6031728 - General Prep - Organics

Blank (6031728-BLK1)	Prepared: 17-Mar-26 Analyzed: 18-Mar-26									
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	54.8		mg/kg	50.0		110	52.4-130			
Surrogate: 1-Chlorooctadecane	55.3		mg/kg	50.0		111	39.9-141			

LCS (6031728-BS1)	Prepared: 17-Mar-26 Analyzed: 18-Mar-26									
GRO C6-C10	213	10.0	mg/kg	200		106	78.7-123			
DRO >C10-C28	202	10.0	mg/kg	200		101	74.8-123			
Total TPH C6-C28	415	10.0	mg/kg	400		104	78.6-121			
Surrogate: 1-Chlorooctane	58.8		mg/kg	50.0		118	52.4-130			
Surrogate: 1-Chlorooctadecane	60.2		mg/kg	50.0		120	39.9-141			

LCS Dup (6031728-BSD1)	Prepared: 17-Mar-26 Analyzed: 18-Mar-26									
GRO C6-C10	221	10.0	mg/kg	200		111	78.7-123	3.89	11.3	
DRO >C10-C28	211	10.0	mg/kg	200		105	74.8-123	4.05	10.9	
Total TPH C6-C28	432	10.0	mg/kg	400		108	78.6-121	3.97	10.5	
Surrogate: 1-Chlorooctane	59.2		mg/kg	50.0		118	52.4-130			
Surrogate: 1-Chlorooctadecane	59.4		mg/kg	50.0		119	39.9-141			

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 23-Mar-26 12:36
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Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 6031728 - General Prep - Organics

Matrix Spike (6031728-MS1)	Source: H261502-24			Prepared: 17-Mar-26 Analyzed: 18-Mar-26						
GRO C6-C10	228	10.0	mg/kg	200	ND	114	62-135			
DRO >C10-C28	210	10.0	mg/kg	200	ND	105	47-147			
Total TPH C6-C28	437	10.0	mg/kg	400	7.04	108	50.5-136			
Surrogate: 1-Chlorooctane	56.9		mg/kg	50.0		114	52.4-130			
Surrogate: 1-Chlorooctadecane	57.8		mg/kg	50.0		116	39.9-141			

Matrix Spike Dup (6031728-MSD1)	Source: H261502-24			Prepared: 17-Mar-26 Analyzed: 18-Mar-26						
GRO C6-C10	229	10.0	mg/kg	200	ND	115	62-135	0.629	19.4	
DRO >C10-C28	221	10.0	mg/kg	200	ND	111	47-147	5.35	50.6	
Total TPH C6-C28	450	10.0	mg/kg	400	7.04	111	50.5-136	2.97	426	
Surrogate: 1-Chlorooctane	56.8		mg/kg	50.0		114	52.4-130			
Surrogate: 1-Chlorooctadecane	57.2		mg/kg	50.0		114	39.9-141			

Batch 6031729 - General Prep - Organics

Blank (6031729-BLK1)				Prepared: 17-Mar-26 Analyzed: 18-Mar-26						
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	58.1		mg/kg	50.0		116	52.4-130			
Surrogate: 1-Chlorooctadecane	62.4		mg/kg	50.0		125	39.9-141			

LCS (6031729-BS1)				Prepared: 17-Mar-26 Analyzed: 18-Mar-26						
GRO C6-C10	202	10.0	mg/kg	200		101	78.7-123			
DRO >C10-C28	182	10.0	mg/kg	200		90.8	74.8-123			
Total TPH C6-C28	383	10.0	mg/kg	400		95.8	78.6-121			
Surrogate: 1-Chlorooctane	64.1		mg/kg	50.0		128	52.4-130			
Surrogate: 1-Chlorooctadecane	68.9		mg/kg	50.0		138	39.9-141			

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 23-Mar-26 12:36
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Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 6031729 - General Prep - Organics

LCS Dup (6031729-BSD1)		Prepared: 17-Mar-26 Analyzed: 18-Mar-26								
GRO C6-C10	202	10.0	mg/kg	200	101	78.7-123	0.00695	11.3		
DRO >C10-C28	183	10.0	mg/kg	200	91.5	74.8-123	0.801	10.9		
Total TPH C6-C28	385	10.0	mg/kg	400	96.2	78.6-121	0.384	10.5		
Surrogate: 1-Chlorooctane	62.5		mg/kg	50.0	125	52.4-130				
Surrogate: 1-Chlorooctadecane	67.1		mg/kg	50.0	134	39.9-141				

Matrix Spike (6031729-MS1)		Source: H261502-44		Prepared: 17-Mar-26 Analyzed: 18-Mar-26						
GRO C6-C10	186	10.0	mg/kg	200	ND	92.8	62-135			
DRO >C10-C28	169	10.0	mg/kg	200	ND	84.3	47-147			
Total TPH C6-C28	354	10.0	mg/kg	400	4.97	87.3	50.5-136			
Surrogate: 1-Chlorooctane	45.1		mg/kg	50.0	90.2	52.4-130				
Surrogate: 1-Chlorooctadecane	48.3		mg/kg	50.0	96.6	39.9-141				

Matrix Spike Dup (6031729-MSD1)		Source: H261502-44		Prepared: 17-Mar-26 Analyzed: 18-Mar-26						
GRO C6-C10	184	10.0	mg/kg	200	ND	92.2	62-135	0.541	19.4	
DRO >C10-C28	168	10.0	mg/kg	200	ND	84.0	47-147	0.430	50.6	
Total TPH C6-C28	352	10.0	mg/kg	400	4.97	86.9	50.5-136	0.495	426	
Surrogate: 1-Chlorooctane	45.0		mg/kg	50.0	90.1	52.4-130				
Surrogate: 1-Chlorooctadecane	48.3		mg/kg	50.0	96.7	39.9-141				

Batch 6031730 - General Prep - Organics

Blank (6031730-BLK1)		Prepared: 17-Mar-26 Analyzed: 18-Mar-26								
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	50.6		mg/kg	50.0	101	52.4-130				
Surrogate: 1-Chlorooctadecane	52.2		mg/kg	50.0	104	39.9-141				

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Analytical Results For:

CRAIN ENVIRONMENTAL 2925 E. 17TH STREET ODESSA TX, 79761	Project: SOUTH VACUUM #274 FLOW LINE Project Number: nAPP2528757355 Project Manager: CINDY CRAIN Fax To: (432) 272-0304	Reported: 23-Mar-26 12:36
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Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 6031730 - General Prep - Organics

LCS (6031730-BS1)		Prepared: 17-Mar-26 Analyzed: 19-Mar-26								
GRO C6-C10	172	10.0	mg/kg	200		86.1	78.7-123			
DRO >C10-C28	152	10.0	mg/kg	200		76.0	74.8-123			
Total TPH C6-C28	324	10.0	mg/kg	400		81.1	78.6-121			
Surrogate: 1-Chlorooctane	53.6		mg/kg	50.0		107	52.4-130			
Surrogate: 1-Chlorooctadecane	52.1		mg/kg	50.0		104	39.9-141			

LCS Dup (6031730-BSD1)		Prepared: 17-Mar-26 Analyzed: 18-Mar-26								
GRO C6-C10	186	10.0	mg/kg	200		93.2	78.7-123	7.89	11.3	
DRO >C10-C28	167	10.0	mg/kg	200		83.3	74.8-123	9.18	10.9	
Total TPH C6-C28	353	10.0	mg/kg	400		88.3	78.6-121	8.50	10.5	
Surrogate: 1-Chlorooctane	56.3		mg/kg	50.0		113	52.4-130			
Surrogate: 1-Chlorooctadecane	51.9		mg/kg	50.0		104	39.9-141			

Matrix Spike (6031730-MS1)		Source: H261502-64		Prepared: 17-Mar-26 Analyzed: 18-Mar-26						
GRO C6-C10	212	10.0	mg/kg	200	ND	106	62-135			
DRO >C10-C28	181	10.0	mg/kg	200	ND	90.4	47-147			
Total TPH C6-C28	393	10.0	mg/kg	400	ND	98.2	50.5-136			
Surrogate: 1-Chlorooctane	49.7		mg/kg	50.0		99.4	52.4-130			
Surrogate: 1-Chlorooctadecane	41.4		mg/kg	50.0		82.9	39.9-141			

Matrix Spike Dup (6031730-MSD1)		Source: H261502-64		Prepared: 17-Mar-26 Analyzed: 18-Mar-26						
GRO C6-C10	194	10.0	mg/kg	200	ND	97.2	62-135	8.59	19.4	
DRO >C10-C28	173	10.0	mg/kg	200	ND	86.6	47-147	4.25	50.6	
Total TPH C6-C28	368	10.0	mg/kg	400	ND	91.9	50.5-136	6.57	42.6	
Surrogate: 1-Chlorooctane	46.1		mg/kg	50.0		92.3	52.4-130			
Surrogate: 1-Chlorooctadecane	41.0		mg/kg	50.0		82.0	39.9-141			

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Notes and Definitions

- QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
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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Celest D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

Company Name: Crain Environmental	P.O. #:
Project Manager: Cindy Crain	Company: Gandy Corporation
Address: 2925 E. 17th St.	Attn: Larry Gandy
City: Odessa State: TX Zip: 79761	Address: P.O. Box 1476
Phone #: (575) 441-7244 Fax #: NA	City: Lovington
Project #: NA Project Owner: Clearwater	State: NM Zip: 88260
Project Name: South Vacuum #274 (NAPP2528757355)	Phone #: (575) 399-5721
Project Location: Lea County, NM	Fax #: (575) 396-0797
Sampler Name: Cindy Crain	

Lab I.D.	Sample I.D.	(G)GRAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	TPH 8015M	BTEX	Chlorides
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					
11	S-14	C 1	1	X						3/16/2026	1043	X	X	X
12	S-15	C 1	1	X						3/16/2026	1047	X	X	X
13	S-16	C 1	1	X						3/16/2026	1051	X	X	X
14	S-17	C 1	1	X						3/16/2026	1055	X	X	X
15	S-19	C 1	1	X						3/16/2026	1059	X	X	X
16	S-20	C 1	1	X						3/16/2026	1104	X	X	X
17	S-21	C 1	1	X						3/16/2026	1109	X	X	X
18	S-22	C 1	1	X						3/16/2026	1113	X	X	X
19	S-26	C 1	1	X						3/16/2026	1117	X	X	X
20	S-31	C 1	1	X						3/16/2026	1121	X	X	X

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Relinquished By: *Cindy Crain* Date: *3/17/26* Received By: *AP* Date: *3/17/26*

Relinquished By: *Cindy Crain* Date: *3/17/26* Received By: *AP* Date: *3/17/26*

Delivered By: (Circle One) UPS - Bus - Other: Corrected Temp. °C: *3.34*

Sample Condition: Cool Intact Yes No

Checked By: *AP*

Turnaround Time: *10:15* Standard Bacteria (only) Sample Condition: Cool Intact Yes No

Thermometer ID #140 Correction Factor +0.3°C

FORM-006 R.3.6 02/12/25

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REMARKS: Page 2 of 7

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

All Results are emailed. Please provide Email address: cindy.crain@gmail.com and lgandy@gandycorporation.com



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

Company Name: Crain Environmental	P.O. #:
Project Manager: Cindy Crain	Company: Gandy Corporation
Address: 2925 E. 17th St.	Attn: Larry Gandy
City: Odessa	Address: P.O. Box 1476
Phone #: (575) 441-7244	City: Lovington
Fax #: NA	State: NM Zip: 88260
Project #: NA	Phone #: (575) 399-5721
Project Name: South Vacuum #274 (IAPP2528757355)	Fax #: (575) 396-0797
Project Location: Lea County, NM	
Sampler Name: Cindy Crain	

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							DATE	TIME	TPH 8015M	BTEX	Chlorides
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:					
21	S-32	C 1	X	X							3/16/2026	1125	X	X	X
22	S-33	C 1	X	X							3/16/2026	1129	X	X	X
23	S-34	C 1	X	X							3/16/2026	1133	X	X	X
24	S-35	C 1	X	X							3/16/2026	1137	X	X	X
25	S-36	C 1	X	X							3/16/2026	1141	X	X	X
26	S-37	C 1	X	X							3/16/2026	1145	X	X	X
27	S-38	C 1	X	X							3/16/2026	1149	X	X	X
28	S-39	C 1	X	X							3/16/2026	1153	X	X	X
29	S-40	C 1	X	X							3/16/2026	1157	X	X	X
30	S-41	C 1	X	X							3/16/2026	1201	X	X	X

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Relinquished By: <i>Cindy Crain</i>	Date: 3/17/20	Received By: <i>ADAVAN</i>	Date: 3/17/20
Relinquished By: <i>Cindy Crain</i>	Time: 1:53	Received By: <i>ADAVAN</i>	Time:

Delivered By: (Circle One)	Observed Temp. °C	Sample Condition	CHECKED BY: (Initials)
Sampler - UPS - Bus - Other:	88°C	Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	AP
	Corrected Temp. °C: 88°C	Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

FORM-006 R 3.6 02/12/25

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

Company Name: **Crain Environmental** P.O. #: _____
 Project Manager: **Cindy Crain** Company: **Gandy Corporation**
 Address: **2925 E. 17th St.** Attn: **Larry Gandy**
 City: **Odessa** State: **TX** Zip: **79761** Address: **P.O. Box 1476**
 Phone #: **(575) 441-7244** Fax #: **NA** City: **Odessa**
 Project #: **NA** Project Owner: **Clearwater** State: **NM** Zip: **88260**
 Project Name: **South Vacuum #274 (NAPP2528757355)** City: **Lovejoy**
 Project Location: **Lea County, NM** State: **NM** Zip: **88260**
 Sampler Name: **Cindy Crain** Phone #: **(575) 399-5721**
 Fax #: **(575) 396-0797**

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							DATE	TIME	TPH 8015M	BTEX	Chlorides
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:					
41	B-4	C 1	1	X						3/16/2026	0950	X	X	X	
42	B-5	C 1	1	X						3/16/2026	1237	X	X	X	
43	B-6	C 1	1	X						3/16/2026	1241	X	X	X	
44	B-7	C 1	1	X						3/16/2026	1245	X	X	X	
45	B-8	C 1	1	X						3/16/2026	1249	X	X	X	
46	B-9	C 1	1	X						3/16/2026	1253	X	X	X	
47	B-10	C 1	1	X						3/16/2026	1257	X	X	X	
48	B-11	C 1	1	X						3/16/2026	1301	X	X	X	
49	B-12	C 1	1	X						3/16/2026	1305	X	X	X	
50	B-14	C 1	1	X						3/16/2026	1309	X	X	X	

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Relinquished By: *Cindy Crain* Date: *3/16/26* Received By: *APAVAS* Date: *1/15/23*
 Time: _____ Time: _____
 Relinquished By: _____ Date: _____ Received By: _____ Date: _____

Delivered By: (Circle One) Observed Temp. °C _____
 Sampler - UPS - Bus - Other: Corrected Temp. °C _____
 Sample Condition: Cool Intact Yes No
 Checked By: (Initials) _____
 Turnaround Time: _____ Standard Rush
 Thermometer ID #140 Correction Factor +0.3°C - FD-1
 Bacteria (only) Sample Condition: Cool Intact Yes No
 Observed Temp. °C _____ Corrected Temp. °C _____

FORM-006 R 3.6 02/12/25
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 (575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Crain Environmental Project Manager: Cindy Crain Address: 2925 E. 17th St City: Odessa State: TX Zip: 79761 Phone #: (575) 441-7244 Fax #: NA Project #: NA Project Owner: Clearwater Project Name: South Vacuum #274 (NAPP2528757355) Project Location: Lea County, NM Sampler Name: Cindy Crain		P.O. #: Company: Gandy Corporation Attn: Larry Gandy Address: P.O. Box 1476 City: Lovington State: NM Zip: 88260 Phone #: (575) 399-5721 Fax #: (575) 396-0797	
FOR LAB USE ONLY		BILL TO	
Lab I.D.		ANALYSIS REQUEST	
Sample I.D.		TPH 8015M BTEX Chlorides	
PLEASE NOTE: Liability and Damages: Cardinal's facility and client's exclusive remedy for any claim relating whether based in contract or tort, shall be limited to the amount paid by the client for the analysis. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors writing 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: <i>Cindy Crain</i> Date: <i>3/16/2026</i> Time:		Received By: <i>APR</i> Date: <i>3/16/2026</i> Time:	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Observed Temp. °C: <i>33.1</i> Corrected Temp. °C: <i>33.1</i> Sample Condition: Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Checked By: <i>APR</i>	
Verbal Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Add'l Phone #:		Turnaround Time: <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush Thermometer ID #140 Correction Factor +0.3°C <i>10.1</i> Bacteria (only) Sample Condition: Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No Observed Temp. °C: Corrected Temp. °C:	
All Results are emailed. Please provide Email address: cindy.crain@gmail.com and lgandy@gandycorporation.com		REMARKS: Page 7 of 7	

FORM-006 R 3.6 02/12/25

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



APPENDIX F: PHOTOGRAPHIC DOCUMENTATION

South Vacuum #274 SWD
Revised Site Characterization Report and Remediation Workplan

Appendix F
Clearwater SWD, LLC
South Vacuum #274 SWD (Incident #nAPP2528757355) - March 16, 2026



View to SE of S end of excavation.



View to NE of excavation.



View to N of excavation.



View to NW of excavation.



View to W of excavation, well, and pump.



View to N of excavation.



View to NW of excavation.



View to N of excavation.

Appendix F
Clearwater SWD, LLC
South Vacuum #274 SWD (Incident #nAPP2528757355) - March 16, 2026



View to W of excavation.



View to N of excavation.



View to W of N end of excavation.



View to S of N end of excavation.



View to SE of N end of excavation.



View to SW of excavation.



View to SE of excavation.



View to S of excavation.

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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 586223

QUESTIONS

Operator: CLEARWATER SWD, LLC P.O. Box 1476 Lovington, NM 88260	OGRID: 371101
	Action Number: 586223
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2528757355
Incident Name	NAPP2528757355 SOUTH VACUUM #274 SWD @ 30-025-37122
Incident Type	Produced Water Release
Incident Status	Remediation Plan Received
Incident Well	[30-025-37122] SOUTH VACUUM #274

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	SOUTH VACUUM #274 SWD
Date Release Discovered	10/14/2025
Surface Owner	State

Incident Details	
<i>Please answer all the questions in this group.</i>	
Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release	
<i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure Well Produced Water Released: 100 BBL Recovered: 10 BBL Lost: 90 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	The NOR stated that 100 barrels of fluid were released; however, using the measurements of the affected area, the amount is closer to 113 barrels of fluid released and 10 barrels of fluid recovered.

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QUESTIONS, Page 2

Action 586223

QUESTIONS (continued)

Operator: CLEARWATER SWD, LLC P.O. Box 1476 Lovington, NM 88260	OGRID: 371101
	Action Number: 586223
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
<i>With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.</i>	

Initial Response

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

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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

I hereby agree and sign off to the above statement	Name: Cindy Crain Email: cindy.crain@gmail.com Date: 05/18/2026
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QUESTIONS, Page 3

Action 586223

QUESTIONS (continued)

Operator: CLEARWATER SWD, LLC P.O. Box 1476 Lovington, NM 88260	OGRID: 371101
	Action Number: 586223
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Site Characterization
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 26 and 50 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1000 (ft.) and ½ (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1000 (ft.) and ½ (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Between 1000 (ft.) and ½ (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride (EPA 300.0 or SM4500 Cl B)	13100
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	4160
GRO+DRO (EPA SW-846 Method 8015M)	2690
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

On what estimated date will the remediation commence	10/15/2025
On what date will (or did) the final sampling or liner inspection occur	06/02/2026
On what date will (or was) the remediation complete(d)	06/30/2026
What is the estimated surface area (in square feet) that will be reclaimed	26000
What is the estimated volume (in cubic yards) that will be reclaimed	3850
What is the estimated surface area (in square feet) that will be remediated	26000
What is the estimated volume (in cubic yards) that will be remediated	3850

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 4

Action 586223

QUESTIONS (continued)

Operator: CLEARWATER SWD, LLC P.O. Box 1476 Lovington, NM 88260	OGRID: 371101
	Action Number: 586223
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Remediation Plan (continued)

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:

(Select all answers below that apply.)

(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	fAB0000000061 TNM-55-95
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

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

I hereby agree and sign off to the above statement	Name: Cindy Crain Email: cindy.crain@gmail.com Date: 05/18/2026
--	---

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 5

Action 586223

QUESTIONS (continued)

Operator: CLEARWATER SWD, LLC P.O. Box 1476 Lovington, NM 88260	OGRID: 371101
	Action Number: 586223
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Deferral Requests Only	
<i>Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.</i>	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS, Page 6

Action 586223

QUESTIONS (continued)

Operator: CLEARWATER SWD, LLC P.O. Box 1476 Lovington, NM 88260	OGRID: 371101
	Action Number: 586223
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	561557
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/16/2026
What was the (estimated) number of samples that were to be gathered	80
What was the sampling surface area in square feet	26000

Remediation Closure Request

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.

Requesting a remediation closure approval with this submission	No
--	-----------

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CONDITIONS

Action 586223

CONDITIONS

Operator: CLEARWATER SWD, LLC P.O. Box 1476 Lovington, NM 88260	OGRID: 371101
	Action Number: 586223
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

CONDITIONS

Created By	Condition	Condition Date
nvez	Remediation plan is approved as written except with the following conditions; 1. Variance toward benzene and total BTEX (benzene, toluene, ethylbenzene, total xylenes) per Table I of 19.15.29.12 NMAC from any future sampling events is approved. 2. Alternative sampling plan request (not a variance) not to exceed 400 square feet (ft.2) for each five (5) point composite (5pc) from the excavation floor per 19.15.29.12D (1b) NMAC is approved. Sidewall confirmation sample(s) will abide at 200 ft.2 for each 5pc per 19.15.29.12D (1c) NMAC. All other provisions addressed in 19.15.29.12D NMAC remain in effect. 3. Clearwater SWD, LLC has 90-days (August 25, 2026) to submit to OCD its appropriate or final remediation closure report.	5/27/2026