

Site Remediation Closure Request Reclamation Report

ENERGY TRANSFER

Trunk O Pipeline

Lea County, New Mexico

Latitude 32.28519 North, Longitude 103.242992 West

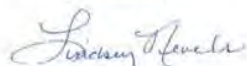
Unit Letter "M", Section 23, Township 23 South, Range 36 East

NMOCD Incident # nAPP2332840084

Prepared For:

ETC Texas Pipeline Ltd.

Prepared By



Lindsey Nevels

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January 19, 2024

New Mexico Energy, Minerals & Natural Resources
NMOCD District 1
C/O: Mike Bratcher & Robert Hamlet
1625 N French Drive
Hobbs, NM 88240

Hobbs Field Office
New Mexico State Land Office
2827 North Dal Paso Street
Suite 117
Hobbs, NM 99240

ETC Texas Pipeline Ltd.
600 N Marienfeld St. Suite 700
Midland, Tx 79701

RE: Site Remediation; Closure Request; Reclamation Report
ETC, Texas Pipeline
Trunk O Pipeline
Latitude 32.284919 North, Longitude 103.2428843 West
Unit Letter "M", Section 23, Township 23 South, Range 36 East
Lea County, New Mexico
NMOCD Incident# nAPP2332840084

ETC Texas Pipeline, Ltd. Respectively submits this *Site Remediation Closure Request and Reclamation Report* to the New Mexico Oil Conservation Division (NMOCD). This Report provides documentation of detailed delineation and/or remedial actions to address the Trunk O Pipeline release. This report serves as a condensed summary on field activities undertaken at the afore referenced Site.

Project Information

1.0 Trunk 0 Release Site Information Table

Site Information	
Incident ID	nAPP2332840084
Site Name	Trunk O
Company	Energy Transfer Texas Ltd
County	Lea
ULSTR	M (SW/SW) -23-23S-36E
GPS Coordinates (NAD 83)	32.284919 -103.2428843
Landowner	State

Release Information	
Date of Release	11/22/2023
Type of Release	Pipeline liquid/Natural Gas
Source of Release	Pipeline
Volume Released – Pipeline Liquid	43.73BBLs
Volume Recovered – Pipeline Liquid	25BBLs
Volume Released – Natural Gas mcf	43.730 MSFs
Volume Recovered – Natural Gas	0 MSFs
Affected Area –	Approximately 26,852sqft
Site Location Map	Attached

Data Source	Well Number	Data Date	Depth (ft.)
NM OSE	OSE CP 00925 POD1	11/03/2004	400' Bgs
USGS	USGS 321744103145101	12/17/1970	145.91
Soil Bore	NA	NA	NA

General Site Characterization

Site Assessment	
Aquifer	Ogallala Formation
Depth to Water	400'bgs
Within 100 yr. Floodplain	Between 1 and 5 (mi.)
Pasture Impact	Yes
Initial Response	
Shallowest depth to groundwater beneath the area affected	100 and 500 (ft)
What method was used to determine groundwater?	http://nmwrrs.ose.state.nm.us/waterColumn.html https://maps.waterdata.usgs.gov/mapper/index.html
Did the release impact groundwater or surface water	No

Source has been stopped	True
Impacted Area has been secured to protect human health	True
Release area has been contained	True
All free liquids have been managed	True
If all actions described above have not been removed and managed appropriately explain why	Per Paragraph (4) of subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. <ul style="list-style-type: none"> Remediation Summary attached.

Minimum Distance, between the closest lateral extents of the release and the following surface area	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake measured from the ordinary high-water mark	>5 (mi.)
An occupied permanent residence, school, hospital, institution, or church.	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes.	Between 1 and 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	>5 (mi.)
An (non-karst) unstable area.	>5 (mi.)
Categorize the risk of this well/ site being in Karst geology	Low Karst
100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site.	Yes

Delineation /Remediation Activities

Have the lateral and vertical extents of contamination been fully delineated?	yes
Was the release entirely contained within a lined containment	No
Soil Contamination Sampling: Highest observable value	
Chloride	1600 mg/kg
TPH (GRO+DRO+MRO)	337.9 mg/kg
GRO + DRO	195.0 mg/kg
BTEX	<0.300 mg/kg
Benzene	<0.050 mg/kg
Was the release contained in a line containment?	No

All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
Requesting a Remediation Plan	No
Remediation Activities	
Summarize additional activities	Report Attached
OCD approved (ex-Situ) off-Site Disposal	Sundance Disposal
OCD approved well (API)	N/A
OCD offsite disposal (out-of-state)	N/A
Off-Site disposal site, NMED facility	N/A
(Ex-Situ) excavation and on-site remediation (i.e. On-site land farm)	N/A
(In-Situ) Soil Vapor Extraction	N/A
(In-Situ) Chemical processing	N/A
(In-Situ) Biological processing (Microbes/fertilizer)	N/A
(In-Situ) Physical Processing	N/A
Ground Water Abatement pursuant to 19.15.30 NMAC	N/A
Other (non-listed remedial process)	N/A
Deferral Request	N/A
Sampling Event Information	
Last Sampling notification (C-141N) recorded	296003
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of subsection D of 19.15.12 NMAC	12/22/2023
What was the (estimated) number of samples that were gathered	14
What was the sampling surface area in square feet	1,875 sq ft.
Remediation Closure Request	Yes
Requesting remediation closure approval with this submission?	Yes
Have the lateral and vertical extents of contamination been fully delineated?	Yes
Was the release entirely contained within lined containment?	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion?	yes
Total surface Area (in square feet) remediated	26,852 sq ft
What was the total volume (cubic yards) remediated?	2,528 cyds
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet on non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10mg/kg Benzene.	Yes
What was the total area (in square feet) reclaimed?	2,528sq ft

What was the total volume (in cubic yards) reclaimed	2,528 cyds
Summary of additional activities attached	Report Attached
Reclamation Report Requested	Yes No } 04/08/2024
Requesting a reclamation approval with submission	Yes No } NV
What was total reclamation surface area (square feet) for this site	26,852
Total Volume of replacement material (cubic yards)	3,328 cyds
Is the soil top layer complete and is it suitable material to establish vegetation	Yes
On what (estimated) date will (or was) the reseeding commences(d)	January 7, 2024
Summarize any additional reclamation activities	Report attached
Re-vegetation Report	
Requesting a restoration complete approval with this submission	No

- **Remediation Summary Closure Request**
- **Reclamation Report**

2.0 Background

On November 22, 2023, a release was discovered on the Trunk O pipeline. Approximately 43.73 BBLS of pipeline liquid was released with 25bbbls recovered and 7,776 mcf of natural gas released with zero recovered. The cause of the release is unknown. Immediate notification of a major release (voice call message) was given to Mike Bratcher at 10:10 a.m. on November 24, 2023. Initial clean-up activities commenced immediately to take the appropriate measures to stop the source and limit access to the site as necessary to protect human health and environment.

3.0 NMOCD Site Characterization and Closure Criteria

Depth to Groundwater/Wellhead Protection:

A search of the New Mexico Office of the State Engineer (NMOSE) and United States Geological Survey (USGS) groundwater databases was completed to determine the horizontal distance to known water sources within a (½) half-mile radius of the Release Site. Probable groundwater depth was determined using data generated by numeric models based on available water well data and published information.

The search revealed depth to water information met the NMOCD criteria for the age of data, the distance of the data point well from the release point, and data point well having a diagram of construction.

Utilizing this information, the NMOCD Closure Criteria for the Site was determined as follows.

Table 1.

Probable Depth to Groundwater	Constituent	Laboratory Analytical Method	Closure Criteria ^{††}	Reclamation Standard ^{‡‡}
400'	Chloride (Cl ⁻)	EPA 300.0 or SM4500 Cl B	20,000	600
	Total Petroleum Hydrocarbons (TPH)	EPA SW-846 Method 8015M Ext	2,500	100
	Gas Range Organics + Diesel Range Organics (GRO + DRO)	EPA SW-846 Method 8015M	1,000	-
	Benzene	EPA SW-846 Methods 8021b or 8260b	10	10
	Benzene, Toluene, Ethylbenzene, Total Xylenes (BTEX)	EPA SW-846 Methods 8021b or 8260b	50	50

* Measured in milligrams per kilogram (mg/kg)

† Table I, Section 19.15.29.12 of the New Mexico Administrative Code (NMAC).

‡ The NMOCD Reclamation Standard applies only to the top 4' of soil in non-production areas. Section 19.15.29.13 D. (1) NMAC

Depth to groundwater information is provided as Attachment II and the results are depicted on Figures 1,2, and 3.

4.0 Delineation/ Excavation Activities

On November 24, 2023, excavation activities commenced on location and were completed on December 26, 2023. Delineation soil samples both vertical and horizontal were collected at time of excavation and field screened for the presence of volatile organic compounds via a photoionization detector (PID) and chloride concentrations utilizing a Hach Quantab[®] chloride test kit.

In accordance with the NMOCD, impacted soil affected above the NMOCD Closure Criteria and/or NMOCD Reclamation Standard was excavated and transported to an NMOCD-approved surface waste facility for disposal (*Sundance Disposal*).

Impacted soil was mechanically excavated until results indicated BTEX, TPH and chloride concentrations were below the applicable NMOCD Closure Criteria and/or Reclamation Standard. Excavated contaminated soil was transported to Sundance disposal.

Vertical and Horizontal delineation sample locations SP1-SP15, and HZ1- HZ15 were collected at time of excavation and field screened for the presence of volatile organic compounds via a photoionization detector (PID) and chloride concentrations utilizing a Hach Quantab[®] chloride test kit. All collected soil samples indicated BTEX, TPH and chloride concentrations were below the applicable NMOCD Closure Criteria in each of the selected soil samples.

Vertical and horizontal delineation completed.

5.0 Final Composite Closure Sampling activities:

Upon excavating impacted soil, NMOCD was notified of Final Sampling Activities.

Five-point composite closure samples were collected from the floor and sidewalls of excavation. Composite confirmation soil samples representing every 200 Sq Ft. were collected and submitted to the laboratory for analysis of BTEX, TPH and chloride. Laboratory analytical results indicated BTEX, TPH and chloride concentrations were below the applicable NMOCD Closure Criteria and/or the NMOCD Reclamation Standard in each of the submitted soil samples.

The final dimensions of the excavated area(s) ranged from 10ft to 75Ft. in length, 10Ft to 20Ft in width and ranged from 0 to 8' Ft. in depth. During the course of remediation activities approximately 2,530 cubic yards of impacted soil were transported to an NMOCD-approved surface waste facility for disposal with approximately 3,300 cyds brought in during backfill activities.

6.0 Reclamation Report Information Summary:

Due to the low levels of contamination present found during final confirmation closure sampling at 4.5' Bgs. (Below NMOCD Closure Criteria above NMOCD Reclamation Standard). Contaminated soil at bottom hole excavation floor at 4.5' Bgs was excavated and sampled at 6" to 1' intervals and/or until results indicated BTEX, TPH and chloride concentrations were below the applicable NMOCD Reclamation Standard. The final excavation floor was excavated to 5" Bgs in accordance with NMOCD Reclamation Standard.

On December 27, 2023, reclamation confirmation samples labeled as (Rec1, Rec2...and so forth) in areas with concentrations above reclamation standard near locations BH5@5', BH7@5', BH9@5', BH10@5', BH11@5', BH31@5', BH32@5', BH33@5', BH102@5', BH105@5', BH106@5', BH112@5', BH113@5', BH116@5', BH117@5', BH118@5', BH119@5' and BH120@5' were submitted to the laboratory for analysis of BTEX, TPH and chloride. Laboratory analytical results indicated BTEX, TPH and chloride concentrations were below the applicable NMOCD Reclamation Standard in each of the submitted soil samples. Areas affected by the release and the associated remediation activities were restored to a condition that existed before the release to the extent practicable.

7.0 Restoration

Based upon laboratory analytical results from confirmation soil samples, the excavated areas were backfilled with locally sourced clean, non-impacted "like" material placed at or near relative positions. The affected area was contoured and/or compacted to achieve erosion control, stability, and preservation of surface water flow to the extent practicable.

Affected area not on production pad and/or lease road was reseeded with an agency and/or landowner-approved seed mixture free of noxious weeds.

Seeding Timeline Details

- Seed Blend- BLM #2
- Completed on January 16, 2024
- Native BLM approved seed blend-approximately 50lbs of BLM#2
- Companion seed blend-50lbs of beardless Triticale
- Method: Grain drilled
- Temporary fencing-Area fenced off to prevent animal surface grazing to aid in growth.
- Water will be applied (1) once every (2) two weeks until 6" to 8" of germinated seed growth has been reached.
- Regular surveys will be conducted to monitor the health and growth of vegetation.
- Detect and control weeds in all areas.
- Use adaptive management to correct establishment and growth problems.
- Review and complete a site-specific vegetation monitoring report for areas being reclaimed.

Reclamation Objective:

- Reestablishing native vegetation
- Exposure to cooler temperatures may mimic natural conditions for germination while establishing a root system for preparation of harsher, hot climate change. Winter seeding helps with erosion control and helps prevent soil erosion during the winter when soil might be exposed to wind or water erosion.
- Habitat restoration: Create or restore habitats that support local wildlife, including pollinators and beneficial insects.
- A summary of monitoring data and results, including—
 - Individual site reclamation monitoring reporting data
 - Identification of successful site reclamation
 - Further vegetation treatments planned (e.g., mulching, matting, and weed control).
 - GPS time stamped photos showing 70% new coverage growth, no noxious weeds, and erosion features equal to or less than surrounding area.

8.0 Soil Closure Request:

Remediation activities were conducted in accordance with applicable NMOCD Regulations. Impacted soil affected above the NMOCD Closure Criteria and NMOCD Reclamation Standard was excavated and transported to an NMOCD-approved disposal facility. Laboratory analytical results from confirmation soil samples indicate concentrations of BTEX, TPH and chloride are below the NMOCD Closure Criteria and/or NMOCD Reclamation Standard.

Based on laboratory analytical results and field activities conducted it is recommended ETC Texas Pipeline, Ltd. provide copies of this Remediation Closure Request to the appropriate agencies and request Closure be granted for the Trunk O Pipeline release.

All remediation activities are in accordance with applicable NMOCD Closure requirements and/or NMOCD reclamation standard. Scaled Site Map, sample diagram, relevant field notes, photographs of open excavation before backfilling, laboratory data including chain of custody, documents of final sampling events, and the remedial activity narrative attached, respectively.

Previously submitted pages of the NMOCD Form C-141 are available on the NMOCD Imaging System. Remediation pages of the NMOCD Form C-141 are included as Attachment V. Topographic Map, OSE POD Locations Map, and USGS Well Locations Map, Scaled Site Map, and Excavation Map are included as Figure 1, Figure 2, Figure 3, Figure 4, and Figure 5, respectively.

Limitations:

Wolfpack Industries has prepared this *Site Remediation Closure Request & Reclamation Report* to the best of its ability. No other warranty, expressed or implied, is made or intended. WPI has examined and relied upon documents referenced in the report and on oral statements made by certain individuals. WPI has not conducted an independent examination of the facts contained in referenced materials and statements. WPI has presumed the genuineness of these documents and statements and that the information provided therein is true and accurate. WPI notes that the facts and conditions referenced in this report may change over time, and the conclusions and recommendations set forth herein are applicable only to the facts and conditions as described at the time of this report. WPI has prepared the report in a professional manner, using the degree of skill and care exercised by similar environmental consultants.

This report has been prepared for the benefit of ETC, Texas Pipeline Ltd. Use of the information contained in this report is prohibited without the consent of Wolfpack Industries and/or Etc. Texas Pipeline Ltd.

Re-Vegetation: A *Re-Vegetation plan* will be submitted in accordance with NMOCD Rules and regulations prior to approved Closure and/or Reclamation report.

Will include the following:

1. Executive Summary of the Revegetation Activities
2. Scaled Site Map
3. Revegetation report/inspection - Detailing the life form ratio/ no noxious weeds.
4. Photographs
5. Implement any post-seeding care practices.
6. Watering schedule
7. Mulching
8. Keep track of seed progress
9. Document seeding process, growth.
10. Ensure compliance.

Other measures to protect and nurture the newly seeded area.

Pursuant to 19.15.29.13.D(3) the Re vegetation and therefore Restoration will be considered complete when uniform vegetative cover has been established those reflects a life-form ratio of plus or minus fifty percent of pre-disturbance levels and a total percent plant cover of at least seventy percent of pre-disturbance levels, excluding noxious weeds for all disturbed areas. "Final" vegetation cover inspection will be conducted.


Distribution:

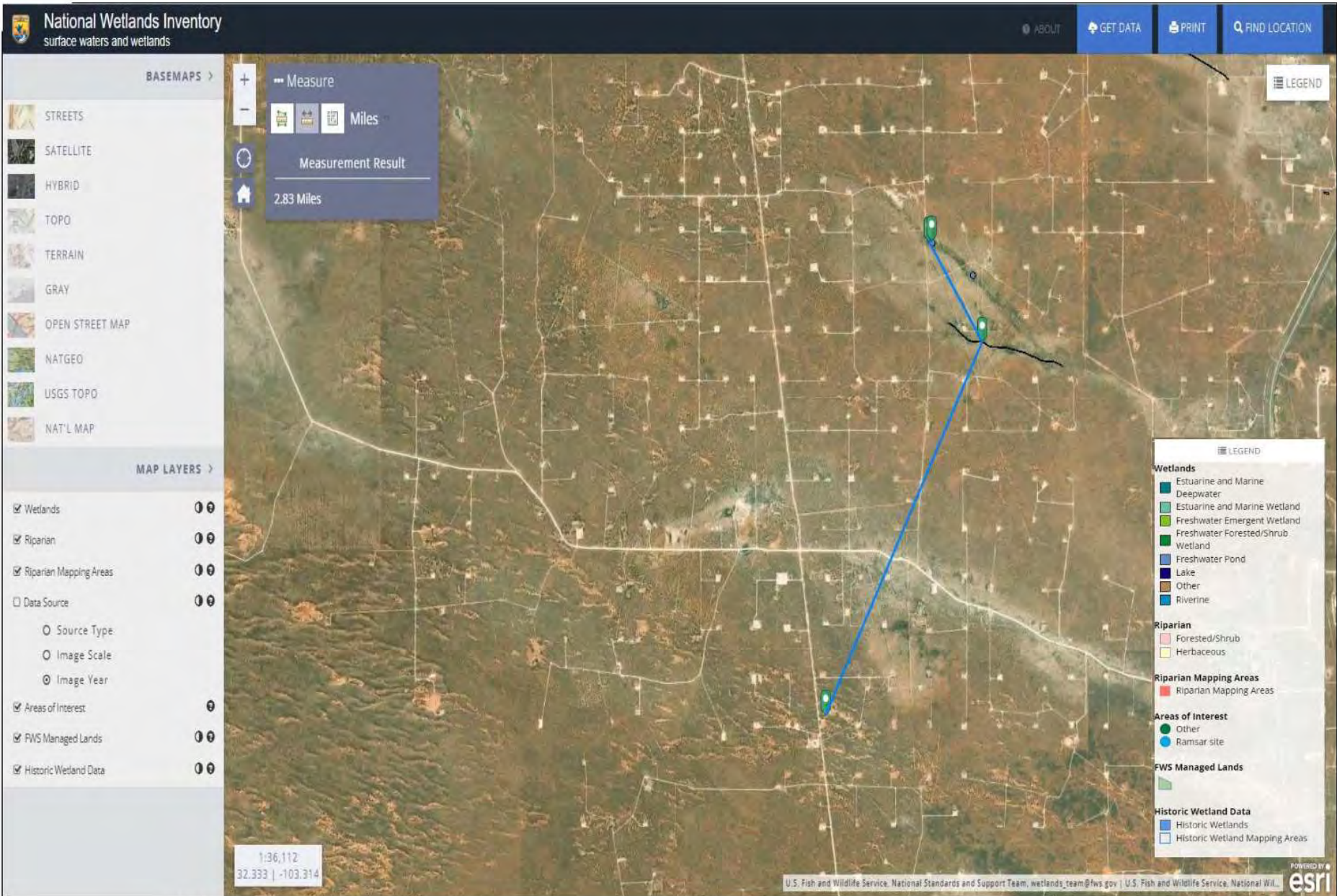
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Oil Conservation Division, District 1
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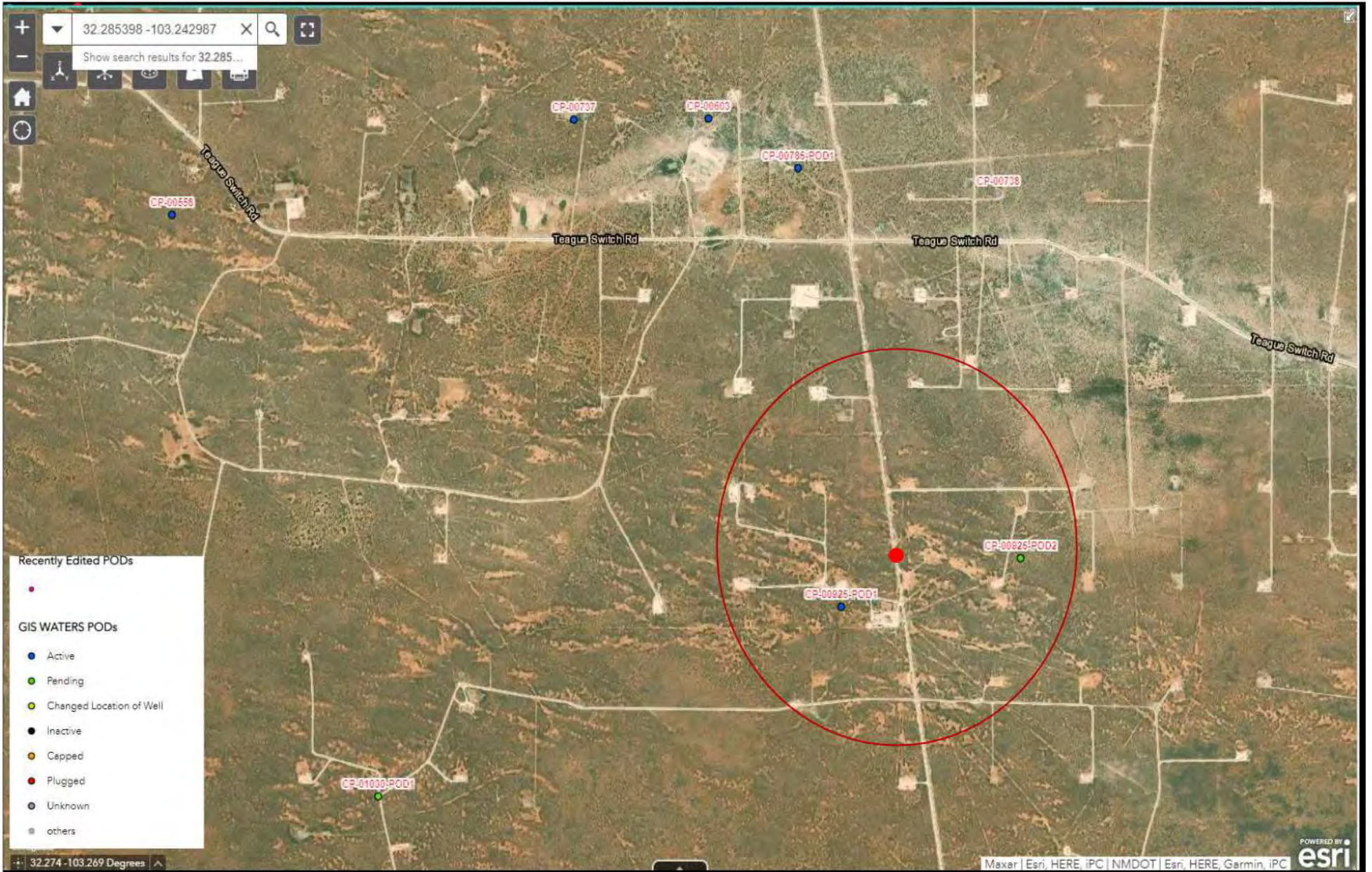
Figures




Legend	Topo Map	
Trunk O Pipeline	ETC Texas Pipeline, Ltd. Trunk O GPS: 32.284919 -103.2428843	






Legend	Wetland Map	
Trunk O Pipeline	ETC Texas Pipeline, Ltd. Trunk O GPS: 32.285398 -103.242987	






<p>Legend:</p>	<p>OSE POD Locations Map</p>	<p>POWERED BY esri</p>
<ul style="list-style-type: none"> ● Trunk O Location ● OSE ActiveWater Well 	<p>ETC Texas Pipeline, Ltd. Trunk O GPS: 32.285398 -103.242987 Lea County</p>	





Legend:	USGS Well Locations Map	Figure 3
<ul style="list-style-type: none">  USGS Well Locations  Trunk O Location  Half mile Radius 	<p>ETC Texas Pipeline, Ltd. Trunk O GPS: 32.284919, -103.2428843 Lea County</p>	



Legend	Excavation Map	Figure 5
<p> Area of Interest BH 4.5' bgs -5'bgs.</p> <p> Over Spray <0-1"bgs</p>	<p>ETC Texas Pipeline, Ltd. Trunk O GPS: 32.284919, -103.2428843 Lea County</p>	<p></p>



Legend	Area Map	
 Site Location	ETC Texas Pipeline, Ltd. Trunk O GPS: 32.28519 -103.242992	

Table

TABLE 1											
Summary of Soil Sample Laboratory Analytical Results											
ETC Texas Pipeline, Ltd.											
Trunk O											
Sample ID	Date	Depth (ft)	Soil Status	Benzene (mg/kg)	BTEX (mg/kg)	GRO C ₆ -C ₁₀ (mg/kg)	DRO C ₁₀ -C ₂₈ (mg/kg)	GRO + DRO C ₆ -C ₂₈ (mg/kg)	ORO C ₂₈ -C ₃₆ (mg/kg)	TPH C ₆ -C ₃₆ (mg/kg)	Chloride (mg/kg)
BH1	12/13/23	6"-1'	Ex-Situ	<0.050	<0.300	<10.0	<10.0	<0.050	<0.300	0.0	16.0
BH2	12/13/23	6"-1'	Ex-Situ	<0.050	<0.300	<10.0	<10.0	<0.050	<0.300	0.0	32
BH3	12/13/23	6"-1'	Ex-Situ	<0.050	<0.300	<10.0	<10.0	<0.050	<0.300	0.0	32
BH4	12/13/23	6"-1'	Ex-Situ	<0.050	<0.300	<10.0	93.2	93.2	<10.0	93.2	128
BH5	12/18/23	4.2'	Ex-Situ	<0.050	<0.300	<10.0	<10.0	0.0	<10.0	0.0	1,310
REC 1	12/27/23	5'	Ex-Situ	<0.050	<0.300	<10.0	<10.0	0.0	<10.0	0.0	32
BH6	12/18/23	4.2'	Ex-Situ	<0.050	<0.300	<10.0	<10.0	0.0	<10.0	0.0	592
BH7	12/18/23	4.2'	Ex-Situ	<0.050	<0.300	<10.0	<10.0	0.0	<10.0	0.0	720
REC 2	12/27/23	5'	Ex-Situ	<0.050	<0.300	<10.0	<10.0	0.0	<10.0	0.0	32
BH8	12/18/23	4.2'	Ex-Situ	<0.050	<0.300	<10.0	<10.0	0.0	<10.0	0.0	592
BH9	12/18/23	4.2'	Ex-Situ	<0.050	<0.300	<10.0	<10.0	0.0	<10.0	0.0	784
REC 3	12/27/23	5'	Ex-Situ	<0.050	<0.300	<10.0	<10.0	0.0	<10.0	0.0	16
BH10	12/18/23	4.2'	Ex-Situ	<0.050	<0.300	<10.0	<10.0	0.0	<10.0	0.0	1,300
REC 3	12/27/23	5'	Ex-Situ	<0.050	<0.300	<10.0	<10.0	0.0	<10.0	0.0	32
BH11	12/18/23	4.2'	Ex-Situ	<0.050	<0.300	<10.0	<10.0	0.0	<10.0	0.0	1,660
REC 4	12/27/23	5'	Ex-Situ	<0.050	<0.300	<10.0	<10.0	0.0	<10.0	0.0	16
BH12	12/18/23	4.2'	Ex-Situ	<0.050	<0.300	<10.0	45.2	45.2	<10.0	45.2	16
BH13	12/18/23	4.2'	Ex-Situ	<0.050	<0.300	<10.0	<10.0	0.0	<10.0	0.0	16
BH14	12/18/23	4.2'	Ex-Situ	<0.050	<0.300	<10.0	45.2	45.2	<10.0	45.2	16
BH15	12/18/23	4.2'	Ex-Situ	<0.050	<0.300	<10.0	27.1	27.1	<10.0	27.1	80
BH16	12/18/23	4.2'	Ex-Situ	<0.050	<0.300	<10.0	199.6	199.6	<10.0	199.6	48
REC 5	12/27/23	5'	Ex-Situ	<0.050	<0.300	<10.0	<10.0	0.0	<10.0	0.0	<16
BH17	12/18/23	0-1'	Ex-Situ	<0.050	<0.300	<10.0	27.0	27.0	<10.0	27.0	80
BH18	12/18/23	0-1'	Ex-Situ	<0.050	<0.300	<10.0	44.0	44.0	<10.0	44.0	144
BH19	12/18/23	0-1'	Ex-Situ	<0.050	<0.300	<10.0	32.6	32.6	<10.0	32.6	64
BH20	12/18/23	0-1'	Ex-Situ	<0.050	<0.300	<10.0	25.5	25.5	<10.0	25.5	96
BH21	12/18/23	0-1'	Ex-Situ	<0.050	<0.300	<10.0	63.5	63.5	<10.0	63.5	112
BH22	12/18/23	0-1'	Ex-Situ	<0.050	<0.300	<10.0	57.4	57.4	<10.0	57.4	192
BH23	12/18/23	0-1'	Ex-Situ	<0.050	<0.300	<10.0	72.8	72.8	<10.0	72.8	80
BH24	12/18/23	0-1'	Ex-Situ	<0.050	<0.300	<10.0	54.6	54.6	<10.0	54.6	160
BH25	12/18/23	0-1'	Ex-Situ	<0.050	<0.300	<10.0	37.2	37.2	<10.0	37.2	112
BH26	12/18/23	0-1'	Ex-Situ	<0.050	<0.300	<10.0	30.1	30.1	<10.0	30.1	160
BH27	12/18/23	0-1'	Ex-Situ	<0.050	<0.300	<10.0	66.3	66.3	12	78.3	144
BH28	12/18/23	0-1'	Ex-Situ	<0.050	<0.300	<10.0	75.8	75.8	19.6	95.4	240
BH29	12/18/23	0-1'	Ex-Situ	<0.050	<0.300	<10.0	45.8	45.8	14.9	60.7	144
BH30	12/18/23	0-1'	Ex-Situ	<0.050	<0.300	<10.0	23.5	23.5	<10.0	23.5	160
BH31	12/18/23	4.2'	Ex-Situ	<0.050	<0.300	<10.0	<10.0	0.0	<10.0	0.0	864

NOTES:

- = Sample not analyzed for that constituent.

Bold text denotes a concentration that exceeds the NMOCD Closure Criteria

TABLE 1											
Summary of Soil Sample Laboratory Analytical Results											
ETC Texas Pipeline, Ltd.											
Trunk O											
Sample ID	Date	Depth (ft)	Soil Status	Benzene (mg/kg)	BTEX (mg/kg)	GRO C ₆ -C ₁₀ (mg/kg)	DRO C ₁₀ -C ₂₈ (mg/kg)	GRO + DRO C ₆ -C ₂₈ (mg/kg)	ORO C ₂₈ -C ₃₆ (mg/kg)	TPH C ₆ -C ₃₆ (mg/kg)	Chloride (mg/kg)
REC 6	12/27/23	5'	Ex-Situ	<0.050	<0.300	<10.0	<10.0	0.0	<10.0	0.0	16
BH32	12/18/23	4.2'	Ex-Situ	<0.050	<0.300	<10.0	<10.0	0.0	<10.0	0.0	768
REC 7	12/27/23	5'	Ex-Situ	<0.050	<0.300	<10.0	<10.0	0.0	<10.0	0.0	64
BH33	12/18/23	4.2'	Ex-Situ	<0.050	<0.300	<10.0	<10.0	0.0	<10.0	0.0	640
REC 8	12/27/23	5'	Ex-Situ	<0.050	<0.300	<10.0	<10.0	0.0	<10.0	0.0	16
BH34	12/18/23	4.2'	Ex-Situ	<0.050	<0.300	<10.0	<10.0	0.0	<10.0	0.0	16
BH35	12/18/23	4.2'	Ex-Situ	<0.050	<0.300	<10.0	<10.0	0.0	<10.0	0.0	<16.0
BH36	12/18/23	0-1'	Ex-Situ	<0.050	<0.300	<10.0	<10.0	0.0	<10.0	0.0	16
BH37	12/18/23	0-1'	Ex-Situ	<0.050	<0.300	<10.0	<10.0	0.0	<10.0	0.0	32
BH38	12/18/23	0-1'	Ex-Situ	<0.050	<0.300	<10.0	<10.0	0.0	<10.0	0.0	48.0
BH39	12/18/23	0-1'	Ex-Situ	<0.050	<0.300	<10.0	<10.0	0.0	<10.0	0.0	48.0
BH40	12/18/23	0-1'	Ex-Situ	<0.050	<0.300	<10.0	<10.0	0.0	<10.0	0.0	48.0
BH41	12/18/23	0-1'	Ex-Situ	<0.050	<0.300	<10.0	<10.0	0.0	<10.0	0.0	41.0
BH42	12/18/23	0-1'	Ex-Situ	<0.050	<0.300	<10.0	<10.0	0.0	<10.0	0.0	32.0
BH43	12/18/23	0-1'	Ex-Situ	<0.050	<0.300	<10.0	<10.0	0.0	<10.0	0.0	32.0
BH44	12/18/23	0-1'	Ex-Situ	<0.050	<0.300	<10.0	<10.0	0.0	<10.0	0.0	64
BH45	12/18/23	0-1'	Ex-Situ	<0.050	<0.300	<10.0	<10.0	0.0	<10.0	0.0	48
BH46	12/18/23	0-1'	Ex-Situ	<0.050	<0.300	<10.0	<10.0	0.0	<10.0	0.0	576
BH47	12/18/23	0-1'	Ex-Situ	<0.050	<0.300	<10.0	<10.0	0.0	<10.0	0.0	528.0
BH48	12/18/23	0-1'	Ex-Situ	<0.050	<0.300	<10.0	<10.0	0.0	<10.0	0.0	64.0
BH49	12/18/23	0-1'	Ex-Situ	<0.050	<0.300	<10.0	<10.0	0.0	<10.0	0.0	48.0
BH50	12/18/23	0-1'	Ex-Situ	<0.050	<0.300	<10.0	<10.0	0.0	<10.0	0.0	64.0
BH51	12/18/23	0-1'	Ex-Situ	<0.050	<0.300	<10.0	<10.0	0.0	<10.0	0.0	48.0
BH52	12/18/23	0-1'	Ex-Situ	<0.050	<0.300	<10.0	<10.0	0.0	<10.0	0.0	16.0
BH53	12/18/23	0-1'	Ex-Situ	<0.050	<0.300	<10.0	<10.0	0.0	<10.0	0.0	16.0
BH54	12/18/23	4.2'	Ex-Situ	<0.050	<0.300	<10.0	<10.0	0.0	<10.0	0.0	832.0
REC 9	12/27/23	5'	Ex-Situ	<0.050	<0.300	<10.0	<10.0	0.0	<10.0	0.0	32
BH55	12/18/23	4.2'	Ex-Situ	<0.050	<0.300	<10.0	<10.0	0.0	<10.0	0.0	544.0
BH56	12/18/23	0-1'	Ex-Situ	<0.050	<0.300	<10.0	18	18.1	<10.0	18.1	240.0
BH57	12/18/23	0-1'	Ex-Situ	<0.050	<0.300	<10.0	21.6	21.6	<10.0	21.6	272.0
BH58	12/18/23	0-1'	Ex-Situ	<0.050	<0.300	<10.0	<10.0	0.0	<10.0	0.0	32.0
BH59	12/18/23	0-1'	Ex-Situ	<0.050	<0.300	<10.0	<10.0	0.0	<10.0	0.0	<16
BH60	12/18/23	0-1'	Ex-Situ	<0.050	<0.300	<10.0	<10.0	0.0	<10.0	0.0	16.0
BH61	12/18/23	0-1'	Ex-Situ	<0.050	<0.300	<10.0	<10.0	0.0	<10.0	0.0	<16
BH62	12/18/23	0-1'	Ex-Situ	<0.050	<0.300	<10.0	<10.0	0.0	<10.0	0.0	32.0
BH63	12/18/23	0-1'	Ex-Situ	<0.050	<0.300	<10.0	<10.0	0.0	<10.0	0.0	16.0
BH64	12/18/23	0-1'	Ex-Situ	<0.050	<0.300	<10.0	<10.0	0.0	<10.0	0.0	<16
BH65	12/18/23	0-1'	Ex-Situ	<0.050	<0.300	<10.0	<10.0	0.0	<10.0	0.0	<16

NOTES:

- = Sample not analyzed for that constituent.

Bold text denotes a concentration that exceeds the NMOCD Closure Criteria

TABLE 1

Summary of Soil Sample Laboratory Analytical Results

ETC Texas Pipeline, Ltd.

Trunk O

Sample ID	Date	Depth (ft)	Soil Status	Benzene (mg/kg)	BTEX (mg/kg)	GRO C ₆ -C ₁₀ (mg/kg)	DRO C ₁₀ -C ₂₈ (mg/kg)	GRO + DRO C ₆ -C ₂₈ (mg/kg)	ORO C ₂₈ -C ₃₆ (mg/kg)	TPH C ₆ -C ₃₆ (mg/kg)	Chloride (mg/kg)
BH66	12/18/23	0-1'	Ex-Situ	<0.050	<0.300	<10.0	<10.0	0.0	<10.0	0.0	<16
BH67	12/18/23	0-1'	Ex-Situ	<0.050	<0.300	<10.0	<10.0	0.0	<10.0	0.0	<16
BH68	12/18/23	0-1'	Ex-Situ	<0.050	<0.300	<10.0	<10.0	0.0	<10.0	0.0	<16
BH69	12/18/23	0-1'	Ex-Situ	<0.050	<0.300	<10.0	<10.0	0.0	<10.0	0.0	16.0
BH70	12/18/23	0-1'	Ex-Situ	<0.050	<0.300	<10.0	<10.0	0.0	<10.0	0.0	16.0
BH71	12/18/23	0-1'	Ex-Situ	<0.050	<0.300	<10.0	<10.0	0.0	<10.0	0.0	32.0
BH72	12/18/23	0-1'	Ex-Situ	<0.050	<0.300	<10.0	<10.0	0.0	<10.0	0.0	<16
BH73	12/18/23	0-1'	Ex-Situ	<0.050	<0.300	<10.0	<10.0	0.0	<10.0	0.0	<16
BH74	12/18/23	0-1'	Ex-Situ	<0.050	<0.300	<10.0	<10.0	0.0	<10.0	0.0	<16
BH75	12/18/23	0-1'	Ex-Situ	<0.050	<0.300	<10.0	<10.0	0.0	<10.0	0.0	<16
BH76	12/18/23	0-1'	Ex-Situ	<0.050	<0.300	<10.0	<10.0	0.0	<10.0	0.0	<16
BH77	12/18/23	0-1'	Ex-Situ	<0.050	<0.300	<10.0	<10.0	0.0	<10.0	0.0	<16
BH78	12/18/23	0-1'	Ex-Situ	<0.050	<0.300	<10.0	<10.0	0.0	<10.0	0.0	<16
BH79	12/18/23	0-1'	Ex-Situ	<0.050	<0.300	<10.0	<10.0	0.0	<10.0	0.0	<16
BH80	12/18/23	0-1'	Ex-Situ	<0.050	<0.300	<10.0	<10.0	0.0	<10.0	0.0	<16
BH81	12/18/23	0-1'	Ex-Situ	<0.050	<0.300	<10.0	<10.0	0.0	<10.0	0.0	<16
BH82	12/18/23	0-1'	Ex-Situ	<0.050	<0.300	<10.0	<10.0	0.0	<10.0	0.0	<16
BH83	12/18/23	0-1'	Ex-Situ	<0.050	<0.300	<10.0	<10.0	0.0	<10.0	0.0	<16
BH84	12/18/23	0-1'	Ex-Situ	<0.050	<0.300	<10.0	<10.0	0.0	<10.0	0.0	<16
BH85	12/18/23	0-1'	Ex-Situ	<0.050	<0.300	<10.0	<10.0	0.0	<10.0	0.0	<16
BH86	12/18/23	0-1'	Ex-Situ	<0.050	<0.300	<10.0	<10.0	0.0	<10.0	0.0	<16
BH87	12/18/23	0-1'	Ex-Situ	<0.050	<0.300	<10.0	<10.0	0.0	<10.0	0.0	32.0
BH88	12/18/23	0-1'	Ex-Situ	<0.050	<0.300	<10.0	<10.0	0.0	<10.0	0.0	48.0
BH89	12/18/23	0-1'	Ex-Situ	<0.050	<0.300	<10.0	<10.0	0.0	<10.0	0.0	64.0
BH90	12/18/23	0-1'	Ex-Situ	<0.050	<0.300	<10.0	<10.0	0.0	<10.0	0.0	192.0
BH91	12/18/23	0-1'	Ex-Situ	<0.050	<0.300	<10.0	<10.0	0.0	<10.0	0.0	80.0
BH92	12/18/23	0-1'	Ex-Situ	<0.050	<0.300	<10.0	<10.0	0.0	<10.0	0.0	64.0
BH93	12/18/23	0-1'	Ex-Situ	<0.050	<0.300	<10.0	<10.0	0.0	<10.0	0.0	80.0
BH94	12/18/23	0-1'	Ex-Situ	<0.050	<0.300	<10.0	<10.0	0.0	<10.0	0.0	80.0
BH95	12/18/23	0-1'	Ex-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	0.0	64.0
BH96	12/18/23	0-1'	Ex-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	0.0	80.0
BH97	12/18/23	0-1'	Ex-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	0.0	96.0
BH98	12/18/23	0-1'	Ex-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	0.0	144.0
BH99	12/18/23	0-1'	Ex-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	0.0	112.0
BH100	12/18/23	0-1'	Ex-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	0.0	144.0

NOTES:

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TABLE 1

Summary of Soil Sample Laboratory Analytical Results

ETC Texas Pipeline, Ltd.

Trunk O

Sample ID	Date	Depth (ft)	Soil Status	Benzene (mg/kg)	BTEX (mg/kg)	GRO C ₆ -C ₁₀ (mg/kg)	DRO C ₁₀ -C ₂₈ (mg/kg)	GRO + DRO C ₆ -C ₂₈ (mg/kg)	ORO C ₂₈ -C ₃₆ (mg/kg)	TPH C ₆ -C ₃₆ (mg/kg)	Chloride (mg/kg)
BH101	12/18/23	0-1'	Ex-Situ	<0.050	<0.300	<10.0	55.60	55.6	10.3	65.9	80.0
BH102	12/18/23	4.2'	Ex-Situ	<0.050	<0.300	<10.0	186.00	186.0	29.4	215.4	704.0
REC 10	12/27/23	5'	Ex-Situ	<0.050	<0.300	<10.0	<10.0	0.0	<10.0	0.0	16
BH103	12/18/23	4.2'	Ex-Situ	<0.050	<0.300	<10.0	13.40	13.4	<10.0	13.4	<16
BH104	12/18/23	4.2'	Ex-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	0.0	32.0
BH105	12/18/23	4.2'	Ex-Situ	<0.050	<0.300	<10.0	99.40	99.4	13.6	113.0	16.0
REC 11	12/27/23	5'	Ex-Situ	<0.050	<0.300	<10.0	<10.0	0.0	<10.0	0.0	16
BH106	12/18/23	4.2'	Ex-Situ	<0.050	<0.300	<10.0	68.50	68.5	<10.0	68.5	16.0
BH107	12/18/23	4.2'	Ex-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	0.0	48.0
BH108	12/18/23	4.2'	Ex-Situ	<0.050	<0.300	<10.0	25.30	25.3	<10.0	25.3	96.0
BH109	12/18/23	4.2'	Ex-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	0.0	64.0
BH110	12/18/23	4.2'	Ex-Situ	<0.050	<0.300	<10.0	13.20	13.2	<10.0	13.2	448.0
BH111	12/18/23	4.2'	Ex-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	0.0	480.0
BH112	12/18/23	4.2'	Ex-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	0.0	608.0
REC 12	12/27/23	5'	Ex-Situ	<0.050	<0.300	<10.0	<10.0	0.0	<10.0	0.0	32
BH113	12/18/23	4.2'	Ex-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	0.0	688.0
REC 13	12/27/23	5'	Ex-Situ	<0.050	<0.300	<10.0	<10.0	0.0	<10.0	0.0	32
BH114	12/18/23	4.2'	Ex-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	0.0	464.0
BH115	12/18/23	4.2'	Ex-Situ	<0.050	<0.300	<10.0	12.40	12.4	<10.0	12.4	240.0
BH116	12/18/23	4.2'	Ex-Situ	<0.050	<0.300	<10.0	195.00	195.0	38.8	233.8	608.0
REC 14		5'	Ex-Situ	<0.050	<0.300	<10.0	<10.0	0.0	<10.0	0.0	16
BH117	12/18/23	4.2'	Ex-Situ	<0.050	<0.300	<10.0	275.00	275.0	62.9	337.9	432.0
REC 15	12/27/23	5'	Ex-Situ	<0.050	<0.300	<10.0	<10.0	0.0	<10.0	0.0	16
BH118	12/18/23	4.2'	Ex-Situ	<0.050	<0.300	<10.0	116.00	116.0	17.6	133.6	800.0
REC 16	12/27/23	5'	Ex-Situ	<0.050	<0.300	<10.0	<10.0	0.0	<10.0	0.0	32
BH119	12/18/23	4.2'	Ex-Situ	<0.050	<0.300	<10.0	115.00	115.0	20.6	135.6	640.0
REC 17	12/27/23	5'	Ex-Situ	<0.050	<0.300	<10.0	<10.0	0.0	<10.0	0.0	16
BH120	12/18/23	4.2'	Ex-Situ	<0.050	<0.300	<10.0	112.00	112.0	17.7	129.7	864.0
REC 18	12/19/23	5'	Ex-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	0.0	16.0
BH121	12/18/23	4.2'	Ex-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	0.0	16.0

NOTES:

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TABLE 1

Summary of Soil Sample Laboratory Analytical Results

ETC Texas Pipeline, Ltd.

Trunk O

Sample ID	Date	Depth (ft)	Soil Status	Benzene (mg/kg)	BTEX (mg/kg)	GRO C ₆ -C ₁₀ (mg/kg)	DRO C ₁₀ -C ₂₈ (mg/kg)	GRO + DRO C ₆ -C ₂₈ (mg/kg)	ORO C ₂₈ -C ₃₆ (mg/kg)	TPH C ₆ -C ₃₆ (mg/kg)	Chloride (mg/kg)
SW1	12/13/23		Ex-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
SW2	12/13/23		Ex-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SW3	12/13/23		Ex-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
SW4	12/13/23		Ex-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SW5	12/18/23		Ex-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SW6	12/18/23		Ex-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SW7	12/18/23		Ex-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SW8	12/18/23		Ex-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SW9	12/18/23		Ex-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SW10	12/18/23		Ex-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SW11	12/18/23		Ex-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16
SW12	12/18/23		Ex-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16
SW13	12/18/23		Ex-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SW14	12/18/23		Ex-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16
SW15	12/18/23		Ex-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16
SW16	12/18/23		Ex-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16
SW17	12/18/23		Ex-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16
SW18	12/18/23		Ex-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16
SW19	12/18/23		Ex-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16
SW20	12/18/23		Ex-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16
SW21	12/18/23		Ex-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16
SW22	12/18/23		Ex-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240.0
SW23	12/18/23		Ex-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16
SW24	12/18/23		Ex-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16
SW25	12/18/23		Ex-Situ	<0.050	<0.300	<10.0	23.6	23.6	<10.0	23.6	320.0
BH -E-1	12/22/2023	2'	Ex-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16
BH -E-2	12/22/2023	2'	Ex-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16
BH -E-3	12/22/2023	2'	Ex-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16
BH -E-4	12/22/2023	2'	Ex-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
BH -E-5	12/22/2023	2'	Ex-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16
BH -E-6	12/22/2023	2'	Ex-Situ	<0.050	<0.300	<10.0	14.8	<10.0	<10.0	<10.0	320
BH -E-7	12/22/2023	2'	Ex-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
BH -E-8	12/22/2023	2'	Ex-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16
BH -E-9	12/22/2023	2'	Ex-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16
BH -E-10	12/22/2023	2'	Ex-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16
E - SW -1	12/22/2023		Ex-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16
E - SW -2	12/22/2023		Ex-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
E - SW -3	12/22/2023		Ex-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16
E - SW -4	12/22/2023		Ex-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16

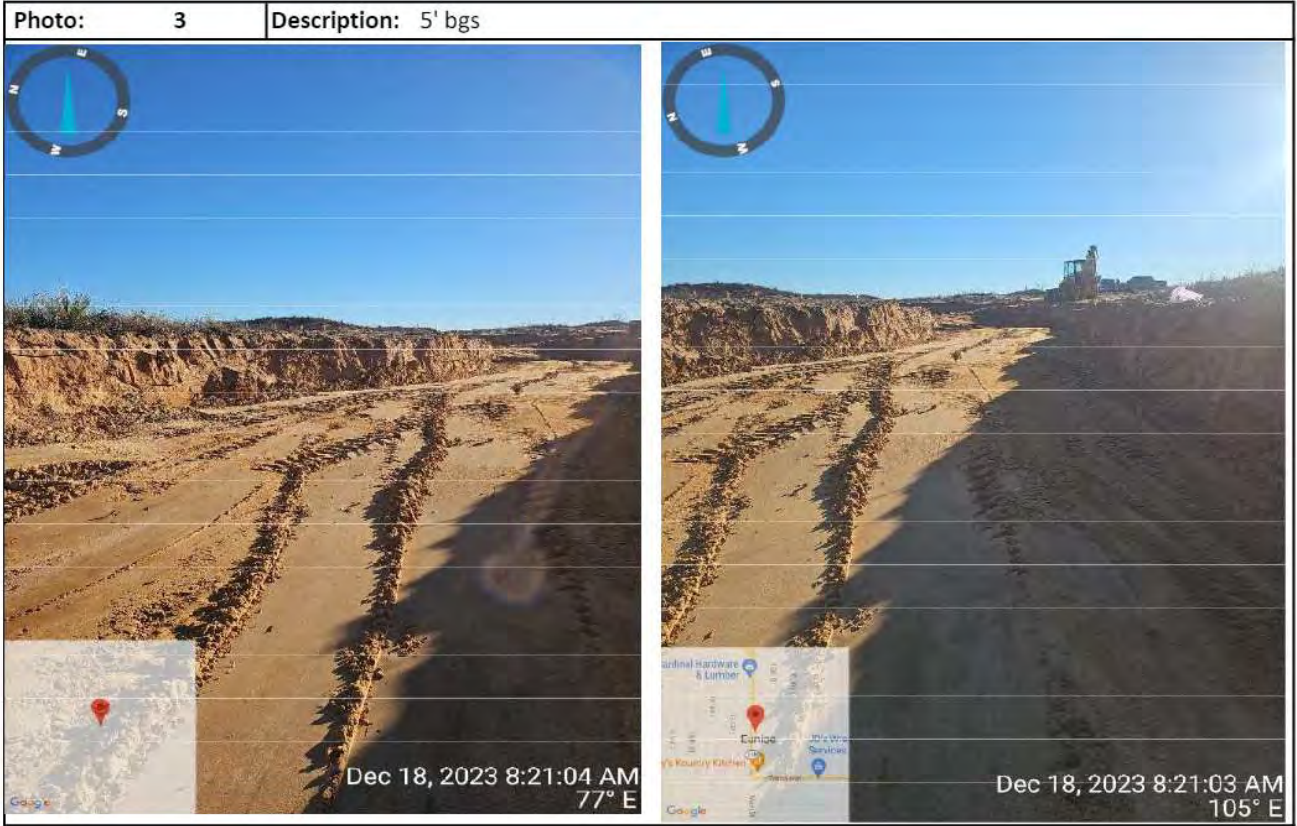
NOTES:
 - Sample not analyzed for that constituent.
 Bold text denotes a concentration that exceeds the NMQC DRO/TPH Criteria.

Attachment I Site Photographs

Photographs



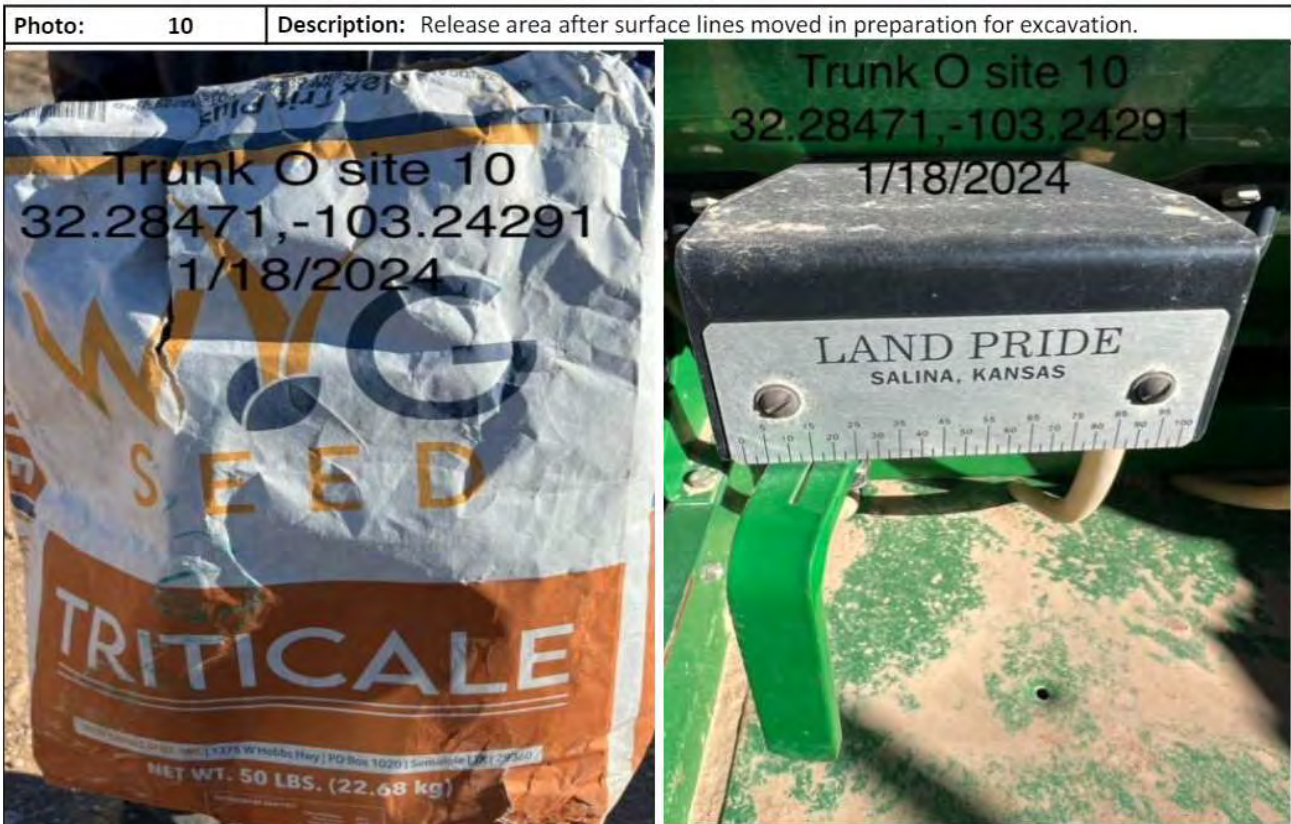
Photographs



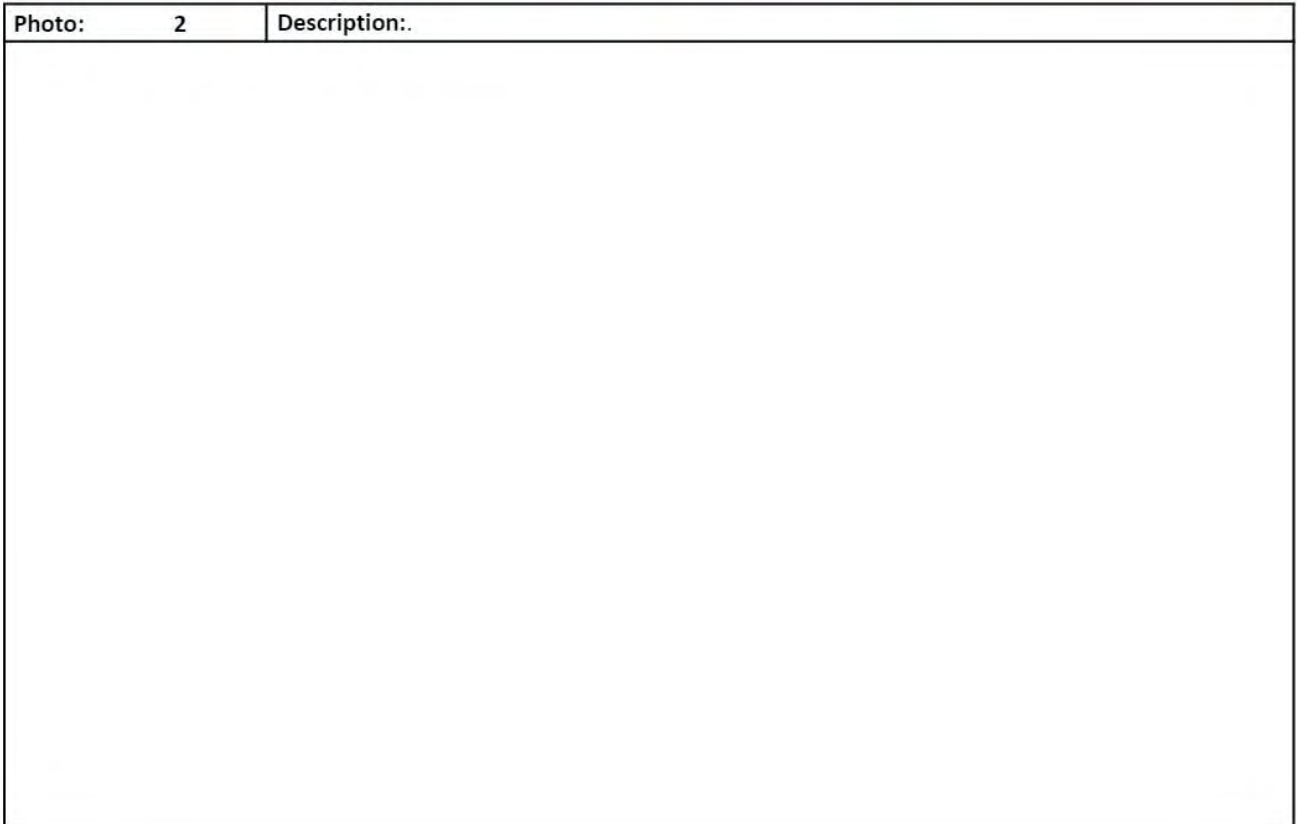
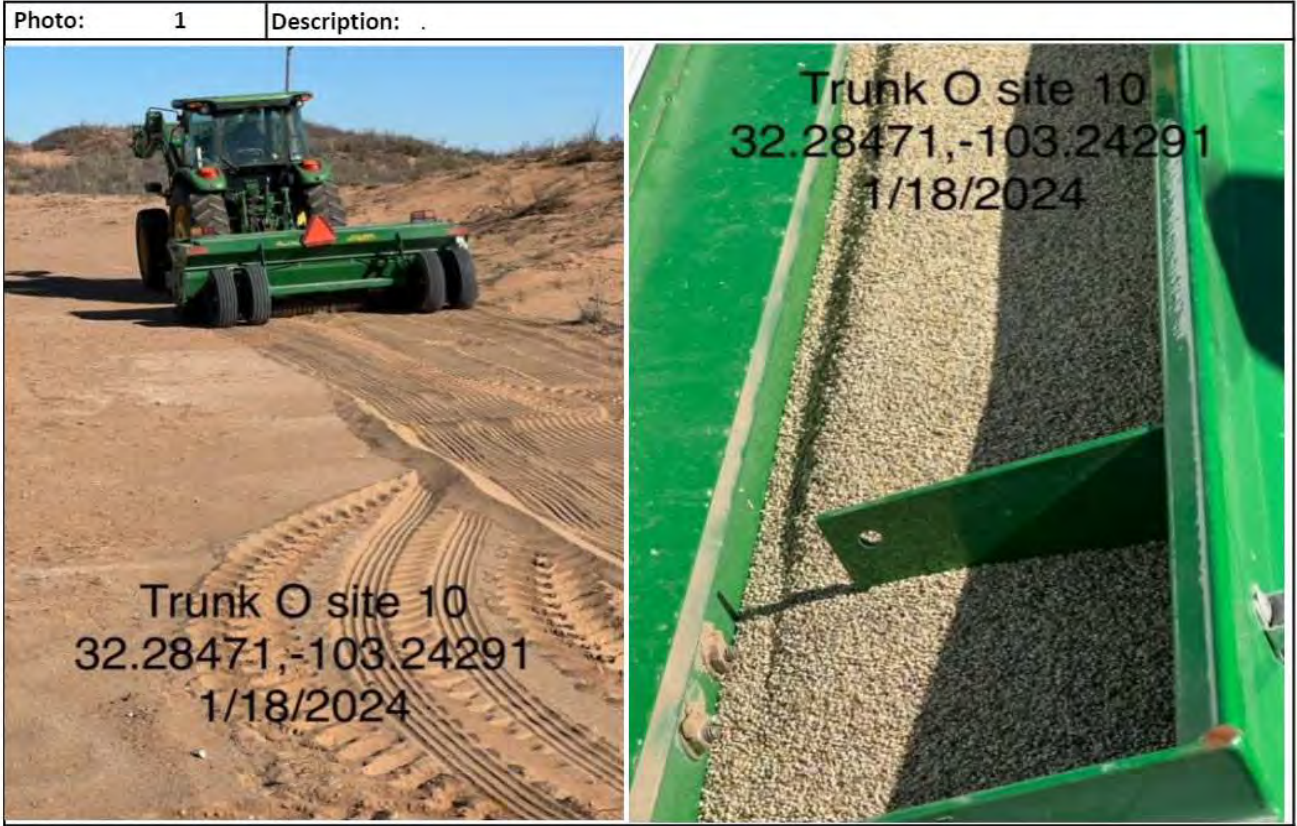
Photographs



Photographs



Photographs



Attachment II Depth to Groundwater



New Mexico Office of the State Engineer

Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)				(NAD83 UTM in meters)
Well Tag	POD Number	(quarters are smallest to largest)				
		Q64 Q16 Q4 Sec Tws Rng	X	Y		
CP 00925	POD1	4 4 4 22 23S 36E	665216	3573224*		

Driller License: 1612	Driller Company: CAPSTAR DRILLING, L.P.	
Driller Name: ROGHAIR, MIKE		
Drill Start Date: 10/16/2004	Drill Finish Date: 10/20/2004	Plug Date:
Log File Date: 11/03/2004	PCW Rev Date:	Source: Artesian
Pump Type:	Pipe Discharge Size:	Estimated Yield: 82 GPM
Casing Size: 7.00	Depth Well: 1820 feet	Depth Water: 400 feet

Water Bearing Stratifications:	Top	Bottom	Description
	570	888	Other/Unknown
	1338	1424	Other/Unknown

Casing Perforations:	Top	Bottom
	570	888
	1338	1424

*UTM location was derived from PLSS - see Help

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12/14/23 6:13 AM

POINT OF DIVERSION SUMMARY



New Mexico Office of the State Engineer

Water Right Summary



WR File Number: CP 00925 **Subbasin:** CP **Cross Reference:** -
Primary Purpose: SRO SECONDARY RECOVERY OF OIL
Primary Status: PMT PERMIT
Total Acres: 0 **Subfile:** - **Header:** -
Total Diversion: 141.14 **Cause/Case:** -
Owner: ENERGEN RESOURCES CORPORATION
Contact: JOE D. NIEDERHOFER, GEN. MANAGER

Documents on File

Trn #	Doc	File/Act	Status		Transaction Desc.	From/		Acres	Diversion	Consumptive
			1	2		To	To			
601655	SUPPL	2009-04-06	PMT	APR	CP 00925	T		0	0	
601616	APPRO	2004-08-13	PMT	ET	CP 00925	T		0	141.14	141.14

Current Points of Diversion

(NAD83 UTM in meters)

POD Number	Well Tag	Source	Q				X	Y	Other Location Desc
			64	Q16	Q4	Sec	Tws	Rng	
CP 00925 POD1		Artesian	4	4	4	22	23S	36E	665216 3573224*
CP 00925 POD2			2	4	3	23	23S	36E	666020 3573435

An () after northing value indicates UTM location was derived from PLSS - see Help

Priority Summary

Priority	Status	Acres	Diversion	Pod Number	Artesian
03/26/2004	PMT	0	141.14	CP 00925 POD1	
				CP 00925 POD2	

Place of Use

Q	Q				Acres	Diversion	CU	Use	Priority	Status	Other Location Desc
256	64	Q16	Q4	Sec	Tws	Rng					
					0	141.14	141.14	SRO	06/26/2004	PMT	SE1/4, SEC.22, TNS.23S, RNG.36E
					0	0	0	SRO	03/26/2004	PMT	SW1/4, SE1/4, SEC.23, TNS.23S, RNG.36E, SEE PREVIOUS FOR DIVERSION AMT.
					0	0	0	SRO	03/26/2004	PMT	NE1/4, NE1/4, SEC.27, TNS.23S, RNG.36E, SEE PREVIOUS FOR DIVERSION AMT.
					0	0	0	SRO	03/26/2004	PMT	NW1/4, NE1/4, SW1/4, SEC.26, TNS.23S, RNG.36E, SEE PREVIOUS FOR DIVERSIO

Source

Acres	Diversion	CU	Use	Priority	Source Description
0	141.14	141.14	SRO	03/26/2004	GW

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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 Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	CP 00925 POD1	4	4	4	22	23S	36E	665216	3573224*

Driller License:	1612	Driller Company:	CAPSTAR DRILLING, L.P.		
Driller Name:	ROGHAIR, MIKE				
Drill Start Date:	10/16/2004	Drill Finish Date:	10/20/2004	Plug Date:	
Log File Date:	11/03/2004	PCW Rev Date:		Source:	Artesian
Pump Type:		Pipe Discharge Size:		Estimated Yield:	82 GPM
Casing Size:	7.00	Depth Well:	1820 feet	Depth Water:	400 feet

Water Bearing Stratifications:	Top	Bottom	Description
	570	888	Other/Unknown
	1338	1424	Other/Unknown

Casing Perforations:	Top	Bottom
	570	888
	1338	1424

*UTM location was derived from PLSS - see Help

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POINT OF DIVERSION SUMMARY



New Mexico Office of the State Engineer

Water Right Summary



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WR File Number: CP 00925 **Subbasin:** CP **Cross Reference:** -
Primary Purpose: SRO SECONDARY RECOVERY OF OIL
Primary Status: PMT PERMIT
Total Acres: 0 **Subfile:** - **Header:** -
Total Diversion: 141.14 **Cause/Case:** -
Owner: ENERGEN RESOURCES CORPORATION
Contact: JOE D. NIEDERHOFER, GEN. MANAGER

Documents on File

Trn #	Doc	File/Act	Status			Transaction Desc.	From/	Acres	Diversion	Consumptive
			1	2			To			
get images	601655	SUPPL 2009-04-06	PMT	APR		CP 00925	T	0	0	
get images	601616	APPRO 2004-08-13	PMT	ET		CP 00925	T	0	141.14	141.14

Current Points of Diversion

(NAD83 UTM in meters)

POD Number	Well Tag	Source	Q			X	Y	Other Location Desc
			64	Q16	Q4Sec	Tws	Rng	
CP 00925 POD1		Artesian	4	4	4	22	23S 36E	665216 3573224*
CP 00925 POD2			2	4	3	23	23S 36E	666020 3573435

An () after northing value indicates UTM location was derived from PLSS - see Help

Priority Summary

Priority	Status	Acres	Diversion	Pod Number	
03/26/2004	PMT	0	141.14	CP 00925 POD1	Artesian
				CP 00925 POD2	

Place of Use

Q	Q				Acres	Diversion	CU	Use	Priority	Status	Other Location Desc
256	64	Q16	Q4Sec	Tws	Rng						
						0	141.14	141.14	SRO 06/26/2004	PMT	SE1/4, SEC.22, TNS.23S, RNG.36E
						0	0	0	SRO 03/26/2004	PMT	SW1/4, SE1/4, SEC.23, TNS.23S, RNG.36E, SEE PREVIOUS FOR DIVERSION AMT.
						0	0	0	SRO 03/26/2004	PMT	NE1/4, NE1/4, SEC.27, TNS.23S, RNG.36E, SEE

0 0 0 SRO 03/26/2004 PMT PREVIOUS FOR DIVERSION
NW1/4, NE1/4, SW1/4, SEC.26,
TNS.23S, RNG.36E, SEE
PREVIOUS FOR DIVERSIO

Source

Acres	Diversion	CU	Use	Priority	Source Description
0	141.14	141.14	SRO	03/26/2004	GW

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11/24/23 8:34 PM

WATER RIGHT
SUMMARY

11/24/23, 9:21 PM

USGS 321642103151201 23S.36E.22.34441



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National Water Information System: Web Interface

USGS Water Resources

Data Category:

Site Information

Geographic Area:

United States

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USGS 321642103151201 23S.36E.22.34441

Available data for this site

SUMMARY OF ALL AVAILABLE DATA

GO

Well Site

DESCRIPTION:

Latitude 32°16'42", Longitude 103°15'12" NAD27
 Lea County, New Mexico , Hydrologic Unit 13070007
 Well depth: 210 feet
 Land surface altitude: 3,392 feet above NAVD88.
 Well completed in "Pecos River Basin alluvial aquifer" (N100PCSRVR) national aquifer.
 Well completed in "Ogallala Formation" (121OGLL) local aquifer

AVAILABLE DATA:

Data Type	Begin Date	End Date	Count
Field groundwater-level measurements	1953-12-01	1953-12-01	1
Revisions	Unavailable (site:0) (timeseries:0)		

OPERATION:

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USGS 321642103151201 23S.36E.22.34441

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Title: NWIS Site Information for USA: Site Inventory

URL: https://waterdata.usgs.gov/nwis/inventory?agency_code=USGS&site_no=321642103151201



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0.27 0.25 caww01



National Water Information System: Web Interface


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Data Category:
Groundwater

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Search Results -- 1 sites found

Agency code = usgs

site_no list =

- 321642103151201

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USGS 321642103151201 23S.36E.22.34441

Lea County, New Mexico

Latitude 32°16'42", Longitude 103°15'12" NAD27

Land-surface elevation 3,392 feet above NAVD88

The depth of the well is 210 feet below land surface.

This well is completed in the Pecos River Basin alluvial aquifer (N100PCSRVR) national aquifer.

This well is completed in the Ogallala Formation (121OGLL) local aquifer.

Output formats

[Table of data](#)

[Tab-separated data](#)

[Graph of data](#)

[Reselect period](#)

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water-level approval status
1953-12-01			D 62610		3202.04	NGVD29	1		Z		A
1953-12-01			D 62611		3203.43	NAVD88	1		Z		A
1953-12-01			D 72019	188.57			1		Z		A

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

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Title: Groundwater for USA: Water Levels

URL: <https://nwis.waterdata.usgs.gov/nwis/gwlevels?>

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0.31 0.25 nadww02



11/24/23, 9:20 PM

USGS 321726103143101 23S.36E.23.114113



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Data Category: Geographic Area:

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Available data for this site

Well Site

DESCRIPTION:

Latitude 32°17'26", Longitude 103°14'31" NAD27
 Lea County, New Mexico , Hydrologic Unit 13070007
 Well depth: not determined.
 Land surface altitude: 3,372 feet above NAVD88.
 Well completed in "Other aquifers" (N9999OTHER) national aquifer.
 Well completed in "Ogallala Formation" (121OGLL) local aquifer

AVAILABLE DATA:

Data Type	Begin Date	End Date	Count
Field groundwater-level measurements	1953-12-04	1970-12-17	4
Revisions	Unavailable (site:0) (timeseries:0)		

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Title: NWIS Site Information for USA: Site Inventory

URL: https://waterdata.usgs.gov/nwis/inventory?agency_code=USGS&site_no=321726103143101



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USGS Groundwater for USA: Water Levels -- 1 sites



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Data Category: Groundwater Geographic Area: United States GO

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site_no list = 321726103143101

Minimum number of levels = 1

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USGS 321726103143101 23S.36E.23.114113

Lea County, New Mexico
Latitude 32°17'26", Longitude 103°14'31" NAD27
Land-surface elevation 3,372 feet above NAVD88
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Ogallala Formation (121OGLL) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period

Date	Time	Water-level date-time accuracy	Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	Status	Method of measurement	Measuring agency	Source
1953-12-04			D 62610		3227.04	NGVD29	1	Z		
1953-12-04			D 62611		3228.42	NAVD88	1	Z		
1953-12-04			D 72019	143.58			1	Z		
1966-04-15			D 62610		3228.82	NGVD29	1	Z		
1966-04-15			D 62611		3230.20	NAVD88	1	Z		
1966-04-15			D 72019	141.80			1	Z		
1968-03-26			D 62610		3228.72	NGVD29	1	Z		
1968-03-26			D 62611		3230.10	NAVD88	1	Z		
1968-03-26			D 72019	141.90			1	Z		
1970-12-17			D 62610		3229.39	NGVD29	1	Z		
1970-12-17			D 62611		3230.77	NAVD88	1	Z		
1970-12-17			D 72019	141.23			1	Z		

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day

11/24/23, 9:18 PM

USGS Groundwater for USA: Water Levels -- 1 sites

Section	Code	Description
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

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URL: <https://nwis.waterdata.usgs.gov/nwis/gwlevels?>

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0.29 0.26 nadww02



11/24/23, 9:20 PM

USGS 321744103145101 23S.36E.15.44114



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National Water Information System: Web Interface

USGS Water Resources

Data Category:

Site Information

Geographic Area:

United States

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Available data for this site

SUMMARY OF ALL AVAILABLE DATA

GO

Well Site

DESCRIPTION:

Latitude 32°17'44", Longitude 103°14'51" NAD27
 Lea County, New Mexico , Hydrologic Unit 13070007
 Well depth: 230 feet
 Land surface altitude: 3,379 feet above NAVD88.
 Well completed in "Other aquifers" (N9999OTHER) national aquifer.
 Well completed in "Ogallala Formation" (121OGLL) local aquifer

AVAILABLE DATA:

Data Type	Begin Date	End Date	Count
Field groundwater-level measurements	1953-12-04	1970-12-17	2
Revisions	Unavailable (site:0) (timeseries:0)		

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Title: NWIS Site Information for USA: Site Inventory

URL: https://waterdata.usgs.gov/nwis/inventory?agency_code=USGS&site_no=321744103145101



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11/24/23, 9:22 PM

USGS 321758103144602 23S.36E.15.44114 A



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Geographic Area:

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Available data for this site

SUMMARY OF ALL AVAILABLE DATA

GO

Well Site

DESCRIPTION:

Latitude 32°17'58", Longitude 103°14'46" NAD27
 Lea County, New Mexico , Hydrologic Unit 13070007
 Well depth: not determined.
 Land surface altitude: 3,381 feet above NAVD88.
 Well completed in "Other aquifers" (N9999OTHER) national aquifer.
 Well completed in "Ogallala Formation" (121OGLL) local aquifer

AVAILABLE DATA:

Data Type	Begin Date	End Date	Count
Field groundwater-level measurements	1981-03-31	2006-02-23	6
Revisions	Unavailable (site:0) (timeseries:0)		

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Title: NWIS Site Information for USA: Site Inventory

URL: https://waterdata.usgs.gov/nwis/inventory?agency_code=USGS&site_no=321758103144602



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0.28 0.26 caww01

11/24/23, 9:21 PM

USGS Groundwater for USA: Water Levels -- 1 sites



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Data Category: Groundwater Geographic Area: United States GO

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site_no list = 321744103145101

Minimum number of levels = 1

[Save file of selected sites](#) to local disk for future upload

USGS 321744103145101 23S.36E.15.44114

Lea County, New Mexico
Latitude 32°17'44", Longitude 103°14'51" NAD27
Land-surface elevation 3,379 feet above NAVD88
The depth of the well is 230 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Ogallala Formation (121OGLL) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period

Date	Time	Water-level date-time accuracy	Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	Status	Method of measurement	Measuring agency	Source
1953-12-04			D 62610		3229.24	NGVD29	1	Z		
1953-12-04			D 62611		3230.63	NAVD88	1	Z		
1953-12-04			D 72019	148.37			1	Z		
1970-12-17			D 62610		3231.70	NGVD29	1	Z		
1970-12-17			D 62611		3233.09	NAVD88	1	Z		
1970-12-17			D 72019	145.91			1	Z		

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929

https://nwis.waterdata.usgs.gov/nwis/gwlevels?site_no=321744103145101&agency_cd=USGS&format=html

11/24/23, 9:21 PM

USGS Groundwater for USA: Water Levels -- 1 sites

Section	Code	Description
Status	1	Static
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

[Questions or Comments](#)

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Title: Groundwater for USA: Water Levels

URL: <https://nwis.waterdata.usgs.gov/nwis/gwlevels?>



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Page Last Modified: 2023-11-24 22:20:58 EST

0.31 0.28 nadwv01

11/24/23, 9:21 PM

USGS Groundwater for USA: Water Levels -- 1 sites



USGS Home
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National Water Information System: Web Interface

USGS Water Resources

Data Category: Groundwater Geographic Area: United States GO

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Groundwater levels for the Nation

Important: [Next Generation Monitoring Location Page](#)

Search Results -- 1 sites found

Agency code = usgs
site_no list = 321642103151201

Minimum number of levels = 1

[Save file of selected sites](#) to local disk for future upload

USGS 321642103151201 23S.36E.22.34441

Lea County, New Mexico
Latitude 32°16'42", Longitude 103°15'12" NAD27
Land-surface elevation 3,392 feet above NAVD88
The depth of the well is 210 feet below land surface.
This well is completed in the Pecos River Basin alluvial aquifer (N100PCSRVR) national aquifer.
This well is completed in the Ogallala Formation (121OGLL) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period

Date	Time	Water-level date-time accuracy	Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	Status	Method of measurement	Measuring agency	Source
1953-12-01			D 62610		3202.04	NGVD29	1		Z	
1953-12-01			D 62611		3203.43	NAVD88	1		Z	
1953-12-01			D 72019	188.57			1		Z	

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	Z	Other.
Measuring agency		Not determined

11/24/23, 9:21 PM

USGS Groundwater for USA: Water Levels -- 1 sites

Section	Code	Description
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

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Title: Groundwater for USA: Water Levels

URL: <https://nwis.waterdata.usgs.gov/nwis/gwlevels?>

Page Contact Information: [USGS Water Data Support Team](#)

Page Last Modified: 2023-11-24 22:21:38 EST

0.3 0.27 nadwv01



11/24/23, 9:23 PM

USGS Groundwater for USA: Water Levels -- 1 sites

Date	Time	Water-level date-time accuracy	Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	Status	Method of measurement	Measuring agency	Source measur
------	------	--------------------------------	----------------	--------------------------------------	---	---------------------------	--------	-----------------------	------------------	---------------

Groundwater United States GO

Click to hide News Bulletins

- Explore the [NEW USGS National Water Dashboard](#) interactive map to access real-time water data from over 13,500 stations nationwide.
- [Full News](#)

Groundwater levels for the Nation

Important: [Next Generation Monitoring Location Page](#)

Search Results -- 1 sites found

Agency code = usgs
 site_no list = 321758103144602

Minimum number of levels = 1
[Save file of selected sites](#) to local disk for future upload

USGS 321758103144602 23S.36E.15.44114 A

Lea County, New Mexico
 Latitude 32°17'58", Longitude 103°14'46" NAD27
 Land-surface elevation 3,381 feet above NAVD88
 This well is completed in the Other aquifers (N9999OTHER) national aquifer.
 This well is completed in the Ogallala Formation (121OGLL) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period

Date	Time	Water-level date-time accuracy	Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	Status	Method of measurement	Measuring agency	Source measur
1981-03-31		D	62610		3234.97	NGVD29	1	Z		
1981-03-31		D	62611		3236.36	NAVD88	1	Z		
1981-03-31		D	72019	144.64			1	Z		
1986-03-20		D	62610		3235.05	NGVD29	1	Z		
1986-03-20		D	62611		3236.44	NAVD88	1	Z		
1986-03-20		D	72019	144.56			1	Z		
1991-05-14		D	62610		3235.54	NGVD29	1	Z		
1991-05-14		D	62611		3236.93	NAVD88	1	Z		
1991-05-14		D	72019	144.07			1	Z		
1996-03-06		D	62610		3235.32	NGVD29	1	S		
1996-03-06		D	62611		3236.71	NAVD88	1	S		
1996-03-06		D	72019	144.29			1	S		
2001-02-21		D	62610		3235.53	NGVD29	1	S		
2001-02-21		D	62611		3236.92	NAVD88	1	S		
2001-02-21		D	72019	144.08			1	S		
2006-02-23	16:20 UTC	m	62610		3235.32	NGVD29	1	S	USGS	
2006-02-23	16:20 UTC	m	62611		3236.71	NAVD88	1	S	USGS	

11/24/23, 9:23 PM

USGS Groundwater for USA: Water Levels -- 1 sites

Date	Time	Water-level date-time accuracy	Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum
2006-02-23	16:20 UTC	m	72019	144.29	1	S USGS

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level date-time accuracy	m	Date is accurate to the Minute
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	S	Steel-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Measuring agency	USGS	U.S. Geological Survey
Source of measurement		Not determined
Source of measurement	S	Measured by personnel of reporting agency.
Water-level approval status	A	Approved for publication -- Processing and review completed.

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 0.33 0.28 nadvw01

Attachment III Field Data

*Pid Field Testing
change.*

Sample Log

*Vertical Dilution
Complete 12/01-12/13
DPC
[Signature]*

Project: Trunk D - ETC

Latitude: _____

Longitude: _____

Sampler: _____

Sample ID	Depth	PID/Odor	Chloride	GPS
SP1 12/01	surf	47	22,000 ✓	SP1-surf
	2'	32	18,000	SP1-4.5
	2'	24	1720	
	3'	18	900	32,28543
	4.5'	7	1000 4.5 5'	-103,242965
	5'	9	480 ✓	
	6'	0	2100 ✓	
SP2 12/01	surf	97	1800	SP2-surf
	2'	67	900	SP2-4.5
	4.5'	34	2780 4.5	
	6'	7	480 ✓	32,28526
	8'			-103,24292
SP3-12/01	surf	14	2200	SP3-surf
	1'	9	980	SP3-4.5
	2'	ND	680 4.5 5'	
	3'	ND	680	32,285513
	4.5'	15	590 ✓	-103,242893
	5'	DD	210	
SP4-12/01	surf	14	27100 7100 ✓	SP4-surf
	1'	ND	7100 ✓	SP4-1' 32,28513
	2'	ND	7100	-103,242893
SP5-12/04	surf	9	680 6'-10' ✓	SP5-surf
	1'	ND	>100	SP5-1'
	2'			32,285124
				-103,243064

Sample Point = SP1 @ ## etc

Floor = FL1 etc

Sidewall = SW1 etc

Horizontal = HZ1 etc

Refusal = SP1 @ 4'-R

GPS Sample Points, Center of Comp Areas

Test Trench = TT1 @ ##

Resamples= SP1b @ 5' or SW #1b

Stockpile = Stockpile #1

Sample Log

Project: _____
 Latitude: _____ Longitude: _____ Sampler: _____

Sample ID	Depth	PID/Odor	Chloride	GPS
SP6 12/04	Surf	47	1900	SP6-Surf
	1'	30	860	SP6-3'
	2'	26	640	
	3'	18	880 4.5	32.28512
	4'	9	600	-103.24329
	5'	ND	480	
SP7 12/05	Surf	86	2200	SP7-Surf
	1'	54	1800	SP7-4'
	2'	27	1800 4.5	
	3'	18	670	32.28516
	4.5'	9	609	-103.2435
	13'	ND	570	
SP8 12/05	Surf	ND	490	SP8-Surf 32.28527
	1'	ND	2100 0-6"-1	SP8-1' -103.24379
	2'		1100	
	3'		1100	
SP9 12/05	Surf	ND	2100 0-6"-1	SP9-Surf 32.28540
	1'	ND	2100	SP9-1' -103.24325
	2'	ND	2100	
SP10 12/06	Surf	ND	240	SP10-Surf
	1'	ND	4100 66"-1	SP10-1' 32.28541
	2'		1100 0	-103.24347
SP11 12/06	Surf	ND	280 L	SP11-Surf 32.28552
	1'	NI	1100	SP11-1' -103.24326
	2'	D	1100	
SP12	Surf	4	480	SP12-Surf 32.28556
	1'	ND	360	SP12-1' -103.24317
	2'	ND	1100	
	3'	4		

Sample Point = SP1 @ ## etc

Floor = FL1 etc

Sidewall = SW1 etc

Horizontal = HZ1 etc

Refusal = SP1 @ 4'-R

GPS Sample Points, Center of Comp Areas

Test Trench = TT1 @ ##

Resamples = SP1b @ 5' or SW #1b

Stockpile = Stockpile #1

Horizontal
Delimitation
Field Data
Notes

TABLE 1
Summary of Soil Sample Delimitation Field Results
ETC Texas Pipeline, Ltd.
Trunk O
NMOCD Ref. #: nAPP212585353

Horizontal Delimitation

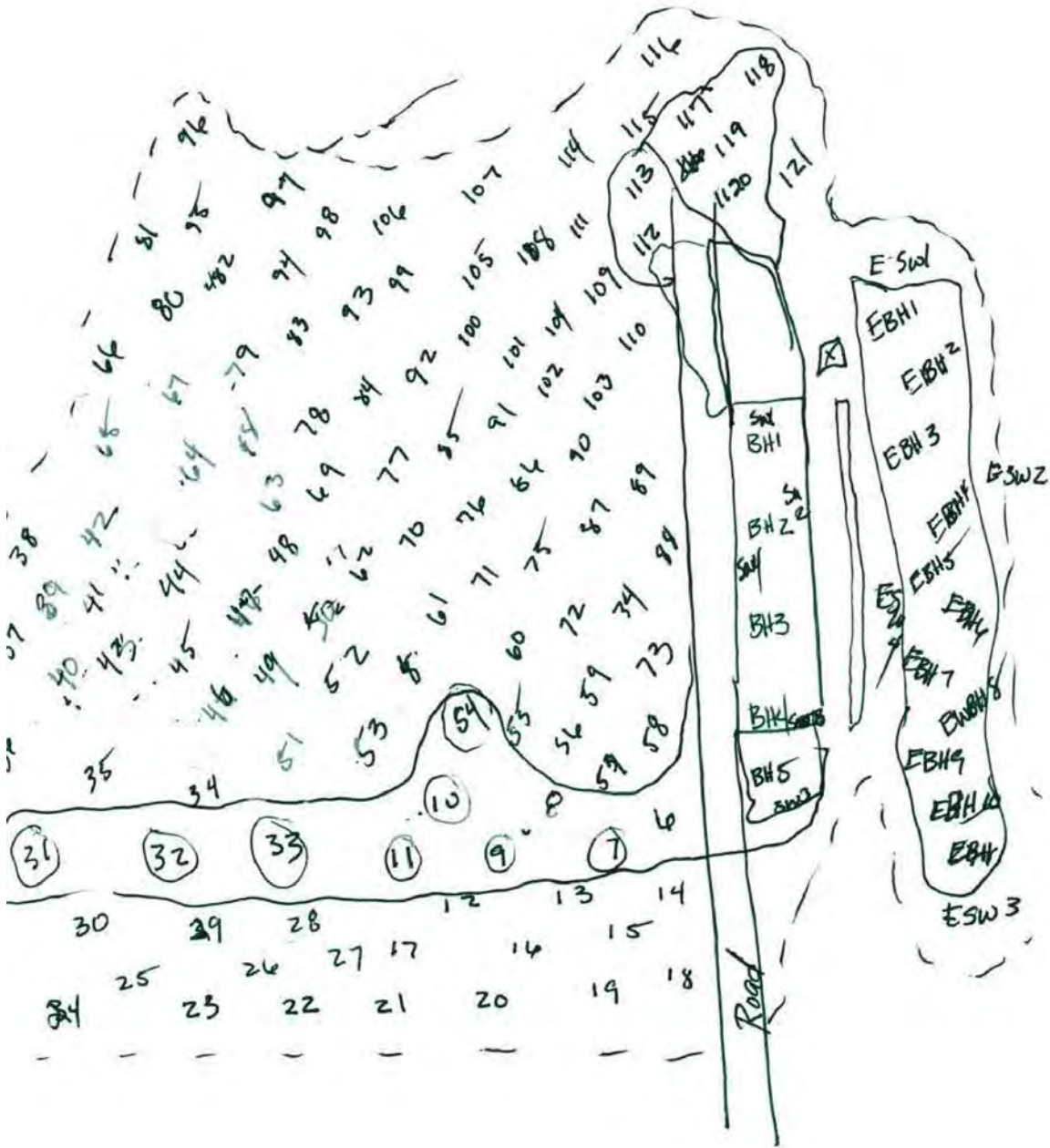
Sample ID	Date	Depth (ft)	Soil Status	PID Meter	Pid Reading	TPH C ₁ -C ₁₆ (mg/kg)	100ppm TPH	2500 TPH ppm Closure Criteria	Chloride (mg/kg) Strip	600ppm CHLORIDE	20,000ppm Closure Standard	Full Delimitation achieved	Full Delimitation Sample Locations: 2 per each	Excavated depths
HZ1	12/13	1'	IN-SITU	<10	0	-			2100				✓	
	12/13	2'	IN-SITU	<10	-	-			2100				✓	
HZ2	12/13	1'	IN-SITU	-	-	-			220				✓	
	12/13	2'	IN	-	-	-			2100				✓	
HZ3	12/13	1'	IN	-	-	-			2100				✓	
	12/13	2'	IN	-	-	-			2100				✓	
HZ4	12/13	1'	IN	-	-	-			2100				✓	
	12/13	2'	IN	-	-	-			2100				✓	
HZ5	12/13	1'	IN	-	-	-			330				✓	
	12/13	2'	IN	-	-	-			200				✓	
HZ6	12/13	1'	IN	-	-	-			2100				✓	
	12/13	2'	IN	-	-	-			2100				✓	
HZ7	12/13	1'	IN	-	-	-			ND				✓	
	12/13	2'	IN	-	-	-			ND				✓	
HZ8	12/13	1'	IN	-	-	-			ND				✓	
	12/13	2'	IN	-	-	-			ND				✓	
HZ9	12/14	1'	IN	-	-	-			ND				✓	
	12/14	2'	IN	-	-	-			ND				✓	
HZ10	12/14	1'	IN	-	-	-			ND				✓	
	12/14	2'	IN	-	-	-			ND				✓	
HZ11	12/14	1'	IN	-	-	-			ND				✓	
	12/14	2'	IN	-	-	-			ND				✓	
HZ12	12/14	1'	IN	-	-	-			2100				✓	
	12/14	2'	IN	-	-	-			2100				✓	
HZ13	12/14	1'	IN	-	-	-			2100				✓	
	12/14	2'	IN	-	-	-			2100				✓	
HZ14	12/14	1'	IN	-	-	-			2100				✓	
	12/14	2'	IN	-	-	-			2100				✓	
HZ15	12/14	1'	IN	-	-	-			2100				✓	
	12/14	2'	IN	-	-	-			2100				✓	

ND Non Detected

Sampled
Just Above
12/13 2023
12/14

Horizontal Delimitation complete
all taken IN-SITU

NOTES:
- = Sample not analyzed for that constituent.
Bold text denotes a concentration that exceeds the NMOCD Closure Criteria



Initial Site Assessment

Project: ETC

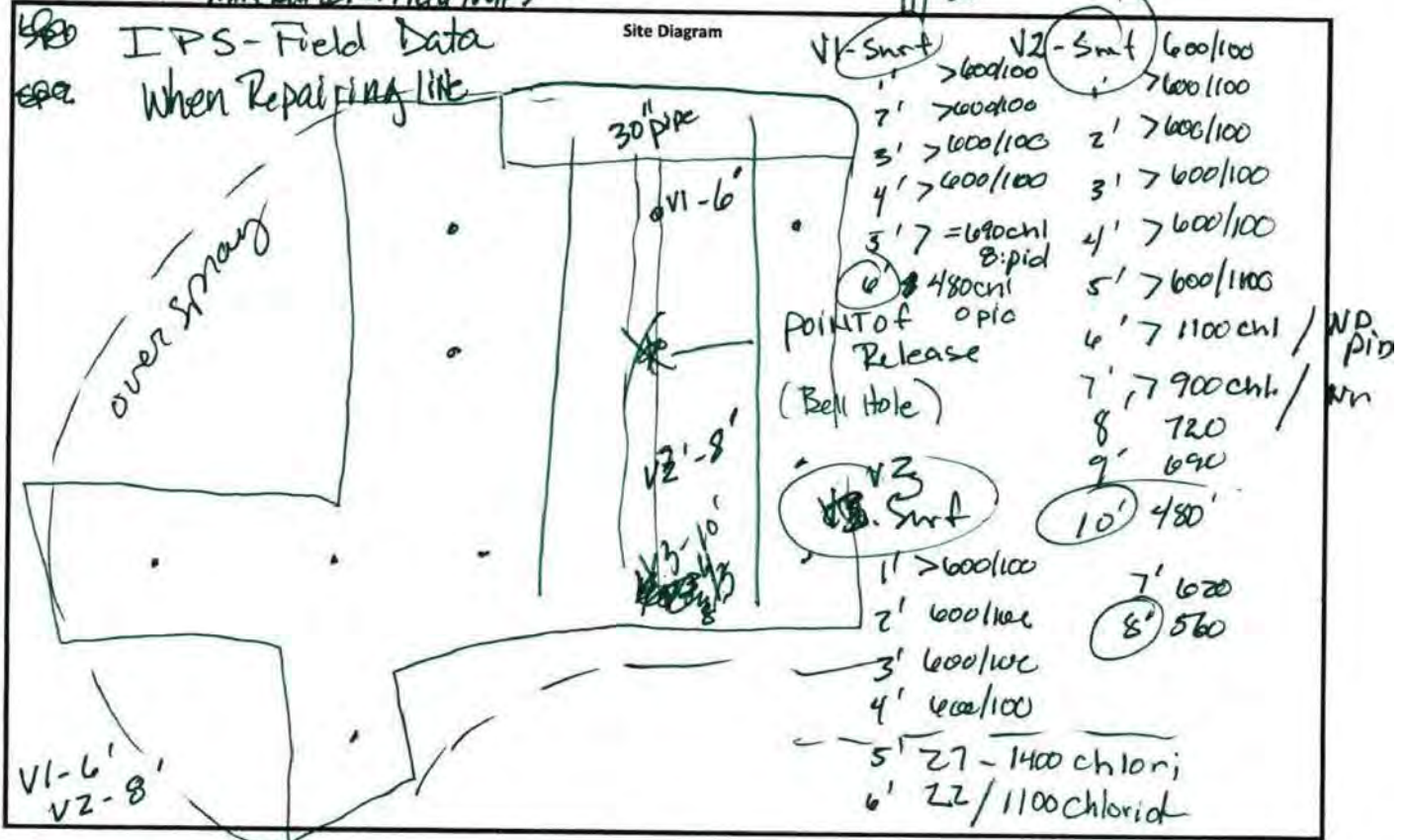
Date: _____

Latitude: 32, 284919, -103, 242854

Clean Up Level: _____

600ppm/100 ~~20,000/2500~~

Mike Bell IPS: Field Notes -



Notes: Immediately began excavating Bell hole area (Point of Release) to repair line.
 IPS: Field Sampled

--- overspray --- main area of release
 - microblazed overspray vegetation 12/05/23 -

~Length: ~Width: ~Area: ~Depth:

Photos of the affected area?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Samples field screened and on Ice?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Sample field data entered on Sample Log?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Horizontal and Vertical delineation achieved?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>

27,852 or ism

Initial Site Assessment

Project: ETC _____

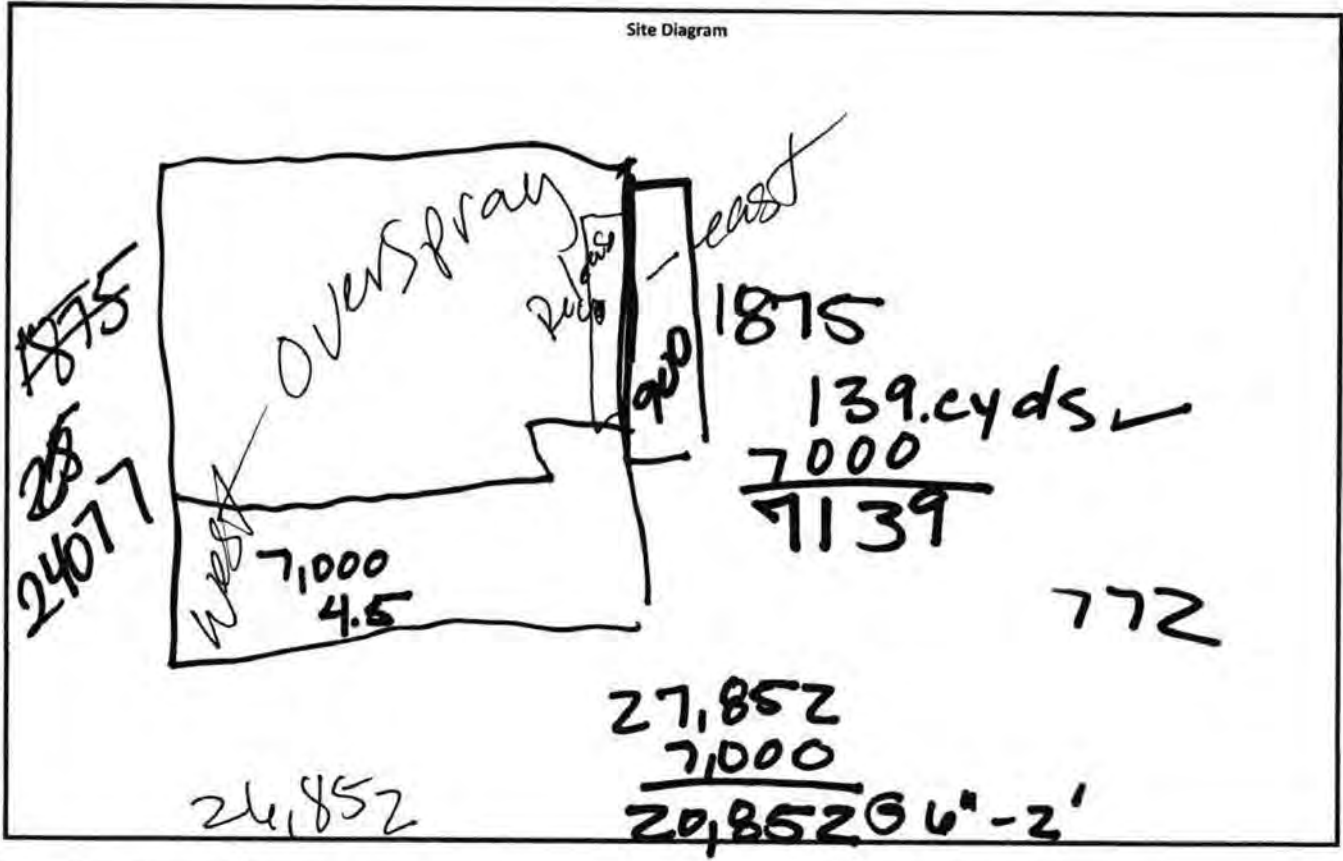
Clean Up Level: _____

Date: _____

Latitude: _____

Longitude: _____

600ppm/100 - 10,000/2500



Notes: 24,852

~Length: 100 ~Width: 6' ~Area: 24,852 ~Depth: 6" - 8'

Photos of the affected area?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Samples field screened and on Ice?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Sample field data entered on Sample Log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Horizontal and Vertical delineation achieved?	<input checked="" type="checkbox"/>	<input type="checkbox"/>

HMSS

Soil Profile

Project: ETC Trunk O
 Latitude: _____ Longitude: _____

Date: _____

Depth (ft. bgs)

Description

1	Top Soil	
2	Top S	
3	Top Soil	
4	Caliche	
5	Cal	
6		
7		
8	Caliche	
9		
10		
11		
12		
13		
14		
15		
16		
17		
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19		
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30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
40		



Remediation Log

Project: ETC-Trunk X 0

Latitude: 32.2849190

Longitude: -103.2428843

Confirmation of Active One Call? One Call No. yes

Yes No

Confirmation of On-Site JSA? yes

Date:

Notes

Yds

Out In

****Begin Remediation Activities****

11/24/23
11/25/23
11/28/23
11/29/23
11/30/23
12/1/23
12/4/23
12/6/23
12/16/23
12/18/23

180 yds
148 yds
240 yds
240 yds
190 yds
189 yds
108 yds
236 yds
1530
535
214

****Begin Backfill Activies****

****Complete Remediation Activities****

Total Yds

Out In

2,065 2,100

Pictures of Open Excavation Prior to Backfill

Yes No

Attachment IV Laboratory Analytical Reports



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

December 15, 2023

LINDSEY NEVELS
ENERGY TRANSFER
P. O. BOX 1226
JAL, NM 88252

RE: TRUNK O CONFORMATION BELL HOLE

Enclosed are the results of analyses for samples received by the laboratory on 12/13/23 15:24.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style.

Celey D. Keene
Lab Director/Quality Manager



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

Analytical Results For:

ENERGY TRANSFER
LINDSEY NEVELS
P. O. BOX 1226
JAL NM, 88252
Fax To:

Received:	12/13/2023	Sampling Date:	12/13/2023
Reported:	12/15/2023	Sampling Type:	Soil
Project Name:	TRUNK O CONFORMATION BELL HOLE	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	32.284919-103.2428843		

Sample ID: BH 1 (H236663-01)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/14/2023	ND	1.74	87.2	2.00	13.7		
Toluene*	<0.050	0.050	12/14/2023	ND	1.81	90.7	2.00	14.8		
Ethylbenzene*	<0.050	0.050	12/14/2023	ND	1.82	90.8	2.00	14.7		
Total Xylenes*	<0.150	0.150	12/14/2023	ND	5.50	91.7	6.00	14.2		
Total BTEX	<0.300	0.300	12/14/2023	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 117 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	12/14/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/14/2023	ND	208	104	200	1.53		
DRO >C10-C28*	<10.0	10.0	12/14/2023	ND	213	106	200	2.86		
EXT DRO >C28-C36	<10.0	10.0	12/14/2023	ND						

Surrogate: 1-Chlorooctane 79.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.1 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENERGY TRANSFER
LINDSEY NEVELS
P. O. BOX 1226
JAL NM, 88252
Fax To:

Received:	12/13/2023	Sampling Date:	12/13/2023
Reported:	12/15/2023	Sampling Type:	Soil
Project Name:	TRUNK O CONFORMATION BELL HOLE	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	32.284919-103.2428843		

Sample ID: BH 2 (H236663-02)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/14/2023	ND	1.74	87.2	2.00	13.7		
Toluene*	<0.050	0.050	12/14/2023	ND	1.81	90.7	2.00	14.8		
Ethylbenzene*	<0.050	0.050	12/14/2023	ND	1.82	90.8	2.00	14.7		
Total Xylenes**	<0.150	0.150	12/14/2023	ND	5.50	91.7	6.00	14.2		
Total BTEX	<0.300	0.300	12/14/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 116% 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	12/14/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/14/2023	ND	208	104	200	1.53		
DRO >C10-C28*	<10.0	10.0	12/14/2023	ND	213	106	200	2.86		
EXT DRO >C28-C36	<10.0	10.0	12/14/2023	ND						

Surrogate: 1-Chlorooctane 82.4% 48.2-134

Surrogate: 1-Chlorooctadecane 89.8% 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENERGY TRANSFER
LINDSEY NEVELS
P. O. BOX 1226
JAL NM, 88252
Fax To:

Received: 12/13/2023
Reported: 12/15/2023
Project Name: TRUNK O CONFORMATION BELL HOLE
Project Number: NOT GIVEN
Project Location: 32.284919-103.2428843

Sampling Date: 12/13/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: BH 3 (H236663-03)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/14/2023	ND	1.74	87.2	2.00	13.7		
Toluene*	<0.050	0.050	12/14/2023	ND	1.81	90.7	2.00	14.8		
Ethylbenzene*	<0.050	0.050	12/14/2023	ND	1.82	90.8	2.00	14.7		
Total Xylenes**	<0.150	0.150	12/14/2023	ND	5.50	91.7	6.00	14.2		
Total BTEX	<0.300	0.300	12/14/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 115 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	12/14/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/14/2023	ND	208	104	200	1.53		
DRO >C10-C28*	<10.0	10.0	12/14/2023	ND	213	106	200	2.86		
EXT DRO >C28-C36	<10.0	10.0	12/14/2023	ND						

Surrogate: 1-Chlorooctane 83.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENERGY TRANSFER
LINDSEY NEVELS
P. O. BOX 1226
JAL NM, 88252
Fax To:

Received: 12/13/2023
Reported: 12/15/2023
Project Name: TRUNK O CONFORMATION BELL HOLE
Project Number: NOT GIVEN
Project Location: 32.284919-103.2428843

Sampling Date: 12/13/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: BH 4 (H236663-04)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/14/2023	ND	1.74	87.2	2.00	13.7		
Toluene*	<0.050	0.050	12/14/2023	ND	1.81	90.7	2.00	14.8		
Ethylbenzene*	<0.050	0.050	12/14/2023	ND	1.82	90.8	2.00	14.7		
Total Xylenes**	<0.150	0.150	12/14/2023	ND	5.50	91.7	6.00	14.2		
Total BTEX	<0.300	0.300	12/14/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 117% 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	12/14/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/14/2023	ND	208	104	200	1.53		
DRO >C10-C28*	93.2	10.0	12/14/2023	ND	213	106	200	2.86		
EXT DRO >C28-C36	26.0	10.0	12/14/2023	ND						

Surrogate: 1-Chlorooctane 82.3% 48.2-134

Surrogate: 1-Chlorooctadecane 92.0% 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENERGY TRANSFER
LINDSEY NEVELS
P. O. BOX 1226
JAL NM, 88252
Fax To:

Received: 12/13/2023
Reported: 12/15/2023
Project Name: TRUNK O CONFORMATION BELL HOLE
Project Number: NOT GIVEN
Project Location: 32.284919-103.2428843

Sampling Date: 12/13/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: SW 1 (H236663-05)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/14/2023	ND	1.74	87.2	2.00	13.7		
Toluene*	<0.050	0.050	12/14/2023	ND	1.81	90.7	2.00	14.8		
Ethylbenzene*	<0.050	0.050	12/14/2023	ND	1.82	90.8	2.00	14.7		
Total Xylenes**	<0.150	0.150	12/14/2023	ND	5.50	91.7	6.00	14.2		
Total BTEX	<0.300	0.300	12/14/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 115 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	12/14/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/14/2023	ND	208	104	200	1.53		
DRO >C10-C28*	<10.0	10.0	12/14/2023	ND	213	106	200	2.86		
EXT DRO >C28-C36	<10.0	10.0	12/14/2023	ND						

Surrogate: 1-Chlorooctane 79.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENERGY TRANSFER
LINDSEY NEVELS
P. O. BOX 1226
JAL NM, 88252
Fax To:

Received:	12/13/2023	Sampling Date:	12/13/2023
Reported:	12/15/2023	Sampling Type:	Soil
Project Name:	TRUNK O CONFORMATION BELL HOLE	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	32.284919-103.2428843		

Sample ID: SW 2 (H236663-06)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/14/2023	ND	1.74	87.2	2.00	13.7		
Toluene*	<0.050	0.050	12/14/2023	ND	1.81	90.7	2.00	14.8		
Ethylbenzene*	<0.050	0.050	12/14/2023	ND	1.82	90.8	2.00	14.7		
Total Xylenes**	<0.150	0.150	12/14/2023	ND	5.50	91.7	6.00	14.2		
Total BTEX	<0.300	0.300	12/14/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 116% 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	12/14/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/14/2023	ND	208	104	200	1.53		
DRO >C10-C28*	<10.0	10.0	12/14/2023	ND	213	106	200	2.86		
EXT DRO >C28-C36	<10.0	10.0	12/14/2023	ND						

Surrogate: 1-Chlorooctane 78.3% 48.2-134

Surrogate: 1-Chlorooctadecane 84.1% 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENERGY TRANSFER
 LINDSEY NEVELS
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 12/13/2023
 Reported: 12/15/2023
 Project Name: TRUNK O CONFORMATION BELL HOLE
 Project Number: NOT GIVEN
 Project Location: 32.284919-103.2428843

Sampling Date: 12/13/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 3 (H236663-07)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/14/2023	ND	1.74	87.2	2.00	13.7		
Toluene*	<0.050	0.050	12/14/2023	ND	1.81	90.7	2.00	14.8		
Ethylbenzene*	<0.050	0.050	12/14/2023	ND	1.82	90.8	2.00	14.7		
Total Xylenes**	<0.150	0.150	12/14/2023	ND	5.50	91.7	6.00	14.2		
Total BTEX	<0.300	0.300	12/14/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	12/14/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/14/2023	ND	208	104	200	1.53		
DRO >C10-C28*	<10.0	10.0	12/14/2023	ND	213	106	200	2.86		
EXT DRO >C28-C36	<10.0	10.0	12/14/2023	ND						

Surrogate: 1-Chlorooctane 79.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENERGY TRANSFER
LINDSEY NEVELS
P. O. BOX 1226
JAL NM, 88252
Fax To:

Received:	12/13/2023	Sampling Date:	12/13/2023
Reported:	12/15/2023	Sampling Type:	Soil
Project Name:	TRUNK O CONFORMATION BELL HOLE	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	32.284919-103.2428843		

Sample ID: SW 4 (H236663-08)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/14/2023	ND	1.74	87.2	2.00	13.7		
Toluene*	<0.050	0.050	12/14/2023	ND	1.81	90.7	2.00	14.8		
Ethylbenzene*	<0.050	0.050	12/14/2023	ND	1.82	90.8	2.00	14.7		
Total Xylenes**	<0.150	0.150	12/14/2023	ND	5.50	91.7	6.00	14.2		
Total BTEX	<0.300	0.300	12/14/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 116% 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	12/14/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/14/2023	ND	208	104	200	1.53		
DRO >C10-C28*	<10.0	10.0	12/14/2023	ND	213	106	200	2.86		
EXT DRO >C28-C36	<10.0	10.0	12/14/2023	ND						

Surrogate: 1-Chlorooctane 80.9% 48.2-134

Surrogate: 1-Chlorooctadecane 86.7% 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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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

Company Name: Wolfpack				BILL TO				ANALYSIS REQUEST									
Project Manager: Lindsey Nevels				P.O. #:													
Address: Lindsey@wolfpackind.com				Company: ETC													
City:		State: NM		Zip:		Attn: Dean Ericson											
Phone # 432 241-2480		Fax #:		Address:													
Project #:		Project Owner:		City:													
Project Name: Trunk O confirmation Bell hole				State:		Zip:											
Project Location: 32.284919 -103.2428843				Phone #:													
Sampler Name: Lindsey Nevels				Fax #:													
FOR LAB USE ONLY				MATRIX		PRESERV								SAMPLING			
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL							SLUDGE	OTHER	ACID/BASE	ICE / COOL
HR3100103	B#1					/							12/13/23		0	0	0
2	B#2																
3	B#3																
4	B#4																
5	SW1																
6	SW2																
7	SW3																
8	SW4																

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Relinquished By:	Date: 12-13-23	Received By:	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By:	Time: 1524	Received By:	All Results are emailed. Please provide Email address:	
Delivered By: (Circle One)	Observed Temp. °C: 33.0	Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Turnaround Time: Standard	Bacteria (only) Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Sampler - UPS - Bus - Other:	Corrected Temp. °C:	CHECKED BY: (Initials) SR	Thermometer ID #113	Observed Temp. °C
			Correction Factor +5C	Corrected Temp. °C
			#140	

REMARKS: **- Rush added 12-14-23 @ 0800**

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



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

December 22, 2023

DEAN ERICSON
ENERGY TRANSFER
P. O. BOX 1226
JAL, NM 88252

RE: TRUNK O

Enclosed are the results of analyses for samples received by the laboratory on 12/20/23 8:00.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene
Lab Director/Quality Manager



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

Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received:	12/20/2023	Sampling Date:	12/18/2023
Reported:	12/22/2023	Sampling Type:	Soil
Project Name:	TRUNK O	Sampling Condition:	Cool & Intact
Project Number:	FINAL COMPOSITE CLOSURE	Sample Received By:	Tamara Oldaker
Project Location:	JAL, NM		

Sample ID: SW 5 (H236767-05)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/20/2023	ND	2.09	104	2.00	5.35		
Toluene*	<0.050	0.050	12/20/2023	ND	2.20	110	2.00	6.22		
Ethylbenzene*	<0.050	0.050	12/20/2023	ND	2.23	112	2.00	5.38		
Total Xylenes*	<0.150	0.150	12/20/2023	ND	6.73	112	6.00	5.11		
Total BTEX	<0.300	0.300	12/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 119 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	12/21/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/20/2023	ND	186	93.1	200	0.161		
DRO >C10-C28*	<10.0	10.0	12/20/2023	ND	180	89.8	200	2.18		
EXT DRO >C28-C36	<10.0	10.0	12/20/2023	ND						

Surrogate: 1-Chlorooctane 78.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.5 % 49.1-148

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 12/20/2023
 Reported: 12/22/2023
 Project Name: TRUNK O
 Project Number: FINAL COMPOSITE CLOSURE
 Project Location: JAL, NM

Sampling Date: 12/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 6 (H236767-06)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/20/2023	ND	2.09	104	2.00	5.35		
Toluene*	<0.050	0.050	12/20/2023	ND	2.20	110	2.00	6.22		
Ethylbenzene*	<0.050	0.050	12/20/2023	ND	2.23	112	2.00	5.38		
Total Xylenes**	<0.150	0.150	12/20/2023	ND	6.73	112	6.00	5.11		
Total BTEX	<0.300	0.300	12/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 117% 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	12/21/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/20/2023	ND	186	93.1	200	0.161		
DRO >C10-C28*	<10.0	10.0	12/20/2023	ND	180	89.8	200	2.18		
EXT DRO >C28-C36	<10.0	10.0	12/20/2023	ND						

Surrogate: 1-Chlorooctane 75.3% 48.2-134

Surrogate: 1-Chlorooctadecane 80.4% 49.1-148

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 12/20/2023
 Reported: 12/22/2023
 Project Name: TRUNK O
 Project Number: FINAL COMPOSITE CLOSURE
 Project Location: JAL, NM

Sampling Date: 12/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 7 (H236767-07)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/20/2023	ND	2.09	104	2.00	5.35		
Toluene*	<0.050	0.050	12/20/2023	ND	2.20	110	2.00	6.22		
Ethylbenzene*	<0.050	0.050	12/20/2023	ND	2.23	112	2.00	5.38		
Total Xylenes**	<0.150	0.150	12/20/2023	ND	6.73	112	6.00	5.11		
Total BTEX	<0.300	0.300	12/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 116% 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	12/21/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/20/2023	ND	186	93.1	200	0.161		
DRO >C10-C28*	<10.0	10.0	12/20/2023	ND	180	89.8	200	2.18		
EXT DRO >C28-C36	<10.0	10.0	12/20/2023	ND						

Surrogate: 1-Chlorooctane 77.7% 48.2-134

Surrogate: 1-Chlorooctadecane 83.1% 49.1-148

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received:	12/20/2023	Sampling Date:	12/18/2023
Reported:	12/22/2023	Sampling Type:	Soil
Project Name:	TRUNK O	Sampling Condition:	Cool & Intact
Project Number:	FINAL COMPOSITE CLOSURE	Sample Received By:	Tamara Oldaker
Project Location:	JAL, NM		

Sample ID: SW 8 (H236767-08)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/20/2023	ND	2.09	104	2.00	5.35		
Toluene*	<0.050	0.050	12/20/2023	ND	2.20	110	2.00	6.22		
Ethylbenzene*	<0.050	0.050	12/20/2023	ND	2.23	112	2.00	5.38		
Total Xylenes**	<0.150	0.150	12/20/2023	ND	6.73	112	6.00	5.11		
Total BTEX	<0.300	0.300	12/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 117% 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	12/21/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/20/2023	ND	186	93.1	200	0.161		
DRO >C10-C28*	<10.0	10.0	12/20/2023	ND	180	89.8	200	2.18		
EXT DRO >C28-C36	<10.0	10.0	12/20/2023	ND						

Surrogate: 1-Chlorooctane 76.5% 48.2-134

Surrogate: 1-Chlorooctadecane 82.0% 49.1-148

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 12/20/2023
 Reported: 12/22/2023
 Project Name: TRUNK O
 Project Number: FINAL COMPOSITE CLOSURE
 Project Location: JAL, NM

Sampling Date: 12/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 9 (H236767-09)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/20/2023	ND	2.09	104	2.00	5.35		
Toluene*	<0.050	0.050	12/20/2023	ND	2.20	110	2.00	6.22		
Ethylbenzene*	<0.050	0.050	12/20/2023	ND	2.23	112	2.00	5.38		
Total Xylenes**	<0.150	0.150	12/20/2023	ND	6.73	112	6.00	5.11		
Total BTEX	<0.300	0.300	12/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 120 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	12/21/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/20/2023	ND	186	93.1	200	0.161		
DRO >C10-C28*	<10.0	10.0	12/20/2023	ND	180	89.8	200	2.18		
EXT DRO >C28-C36	<10.0	10.0	12/20/2023	ND						

Surrogate: 1-Chlorooctane 80.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.7 % 49.1-148

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 12/20/2023
 Reported: 12/22/2023
 Project Name: TRUNK O
 Project Number: FINAL COMPOSITE CLOSURE
 Project Location: JAL, NM

Sampling Date: 12/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 10 (H236767-10)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/20/2023	ND	2.25	113	2.00	1.40		
Toluene*	<0.050	0.050	12/20/2023	ND	2.28	114	2.00	2.03		
Ethylbenzene*	<0.050	0.050	12/20/2023	ND	2.29	115	2.00	2.21		
Total Xylenes**	<0.150	0.150	12/20/2023	ND	6.80	113	6.00	1.60		
Total BTEX	<0.300	0.300	12/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/21/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/20/2023	ND	186	93.1	200	0.161		
DRO >C10-C28*	<10.0	10.0	12/20/2023	ND	180	89.8	200	2.18		
EXT DRO >C28-C36	<10.0	10.0	12/20/2023	ND						

Surrogate: 1-Chlorooctane 79.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.3 % 49.1-148

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 12/20/2023
 Reported: 12/22/2023
 Project Name: TRUNK O
 Project Number: FINAL COMPOSITE CLOSURE
 Project Location: JAL, NM

Sampling Date: 12/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 11 (H236767-11)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/20/2023	ND	2.25	113	2.00	1.40		
Toluene*	<0.050	0.050	12/20/2023	ND	2.28	114	2.00	2.03		
Ethylbenzene*	<0.050	0.050	12/20/2023	ND	2.29	115	2.00	2.21		
Total Xylenes**	<0.150	0.150	12/20/2023	ND	6.80	113	6.00	1.60		
Total BTEX	<0.300	0.300	12/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/21/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/20/2023	ND	186	93.1	200	0.161		
DRO >C10-C28*	<10.0	10.0	12/20/2023	ND	180	89.8	200	2.18		
EXT DRO >C28-C36	<10.0	10.0	12/20/2023	ND						

Surrogate: 1-Chlorooctane 76.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.2 % 49.1-148

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 12/20/2023
 Reported: 12/22/2023
 Project Name: TRUNK O
 Project Number: FINAL COMPOSITE CLOSURE
 Project Location: JAL, NM

Sampling Date: 12/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 12 (H236767-12)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/20/2023	ND	2.25	113	2.00	1.40		
Toluene*	<0.050	0.050	12/20/2023	ND	2.28	114	2.00	2.03		
Ethylbenzene*	<0.050	0.050	12/20/2023	ND	2.29	115	2.00	2.21		
Total Xylenes**	<0.150	0.150	12/20/2023	ND	6.80	113	6.00	1.60		
Total BTEX	<0.300	0.300	12/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/21/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/20/2023	ND	186	93.1	200	0.161		
DRO >C10-C28*	<10.0	10.0	12/20/2023	ND	180	89.8	200	2.18		
EXT DRO >C28-C36	<10.0	10.0	12/20/2023	ND						

Surrogate: 1-Chlorooctane 72.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.6 % 49.1-148

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 12/20/2023
 Reported: 12/22/2023
 Project Name: TRUNK O
 Project Number: FINAL COMPOSITE CLOSURE
 Project Location: JAL, NM

Sampling Date: 12/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 13 (H236767-13)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/20/2023	ND	2.25	113	2.00	1.40		
Toluene*	<0.050	0.050	12/20/2023	ND	2.28	114	2.00	2.03		
Ethylbenzene*	<0.050	0.050	12/20/2023	ND	2.29	115	2.00	2.21		
Total Xylenes**	<0.150	0.150	12/20/2023	ND	6.80	113	6.00	1.60		
Total BTEX	<0.300	0.300	12/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	12/21/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/20/2023	ND	186	93.1	200	0.161		
DRO >C10-C28*	<10.0	10.0	12/20/2023	ND	180	89.8	200	2.18		
EXT DRO >C28-C36	<10.0	10.0	12/20/2023	ND						

Surrogate: 1-Chlorooctane 79.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.9 % 49.1-148

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received:	12/20/2023	Sampling Date:	12/18/2023
Reported:	12/22/2023	Sampling Type:	Soil
Project Name:	TRUNK O	Sampling Condition:	Cool & Intact
Project Number:	FINAL COMPOSITE CLOSURE	Sample Received By:	Tamara Oldaker
Project Location:	JAL, NM		

Sample ID: SW 14 (H236767-14)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/20/2023	ND	2.25	113	2.00	1.40		
Toluene*	<0.050	0.050	12/20/2023	ND	2.28	114	2.00	2.03		
Ethylbenzene*	<0.050	0.050	12/20/2023	ND	2.29	115	2.00	2.21		
Total Xylenes**	<0.150	0.150	12/20/2023	ND	6.80	113	6.00	1.60		
Total BTEX	<0.300	0.300	12/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/21/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/20/2023	ND	186	93.1	200	0.161		
DRO >C10-C28*	<10.0	10.0	12/20/2023	ND	180	89.8	200	2.18		
EXT DRO >C28-C36	<10.0	10.0	12/20/2023	ND						

Surrogate: 1-Chlorooctane 74.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.3 % 49.1-148

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 12/20/2023
 Reported: 12/22/2023
 Project Name: TRUNK O
 Project Number: FINAL COMPOSITE CLOSURE
 Project Location: JAL, NM

Sampling Date: 12/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 15 (H236767-15)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/20/2023	ND	2.25	113	2.00	1.40		
Toluene*	<0.050	0.050	12/20/2023	ND	2.28	114	2.00	2.03		
Ethylbenzene*	<0.050	0.050	12/20/2023	ND	2.29	115	2.00	2.21		
Total Xylenes**	<0.150	0.150	12/20/2023	ND	6.80	113	6.00	1.60		
Total BTEX	<0.300	0.300	12/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/21/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/20/2023	ND	186	93.1	200	0.161		
DRO >C10-C28*	<10.0	10.0	12/20/2023	ND	180	89.8	200	2.18		
EXT DRO >C28-C36	<10.0	10.0	12/20/2023	ND						

Surrogate: 1-Chlorooctane 76.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.5 % 49.1-148

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received:	12/20/2023	Sampling Date:	12/18/2023
Reported:	12/22/2023	Sampling Type:	Soil
Project Name:	TRUNK O	Sampling Condition:	Cool & Intact
Project Number:	FINAL COMPOSITE CLOSURE	Sample Received By:	Tamara Oldaker
Project Location:	JAL, NM		

Sample ID: SW 16 (H236767-16)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/20/2023	ND	2.25	113	2.00	1.40		
Toluene*	<0.050	0.050	12/20/2023	ND	2.28	114	2.00	2.03		
Ethylbenzene*	<0.050	0.050	12/20/2023	ND	2.29	115	2.00	2.21		
Total Xylenes**	<0.150	0.150	12/20/2023	ND	6.80	113	6.00	1.60		
Total BTEX	<0.300	0.300	12/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/21/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/20/2023	ND	180	90.0	200	8.84		
DRO >C10-C28*	<10.0	10.0	12/20/2023	ND	186	93.0	200	14.9		
EXT DRO >C28-C36	<10.0	10.0	12/20/2023	ND						

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 12/20/2023
 Reported: 12/22/2023
 Project Name: TRUNK O
 Project Number: FINAL COMPOSITE CLOSURE
 Project Location: JAL, NM

Sampling Date: 12/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 17 (H236767-17)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/20/2023	ND	2.25	113	2.00	1.40		
Toluene*	<0.050	0.050	12/20/2023	ND	2.28	114	2.00	2.03		
Ethylbenzene*	<0.050	0.050	12/20/2023	ND	2.29	115	2.00	2.21		
Total Xylenes**	<0.150	0.150	12/20/2023	ND	6.80	113	6.00	1.60		
Total BTEX	<0.300	0.300	12/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/21/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/20/2023	ND	180	90.0	200	8.84		
DRO >C10-C28*	<10.0	10.0	12/20/2023	ND	186	93.0	200	14.9		
EXT DRO >C28-C36	<10.0	10.0	12/20/2023	ND						

Surrogate: 1-Chlorooctane 81.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.9 % 49.1-148

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received:	12/20/2023	Sampling Date:	12/18/2023
Reported:	12/22/2023	Sampling Type:	Soil
Project Name:	TRUNK O	Sampling Condition:	Cool & Intact
Project Number:	FINAL COMPOSITE CLOSURE	Sample Received By:	Tamara Oldaker
Project Location:	JAL, NM		

Sample ID: SW 18 (H236767-18)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/20/2023	ND	2.25	113	2.00	1.40		
Toluene*	<0.050	0.050	12/20/2023	ND	2.28	114	2.00	2.03		
Ethylbenzene*	<0.050	0.050	12/20/2023	ND	2.29	115	2.00	2.21		
Total Xylenes**	<0.150	0.150	12/20/2023	ND	6.80	113	6.00	1.60		
Total BTEX	<0.300	0.300	12/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/21/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/20/2023	ND	180	90.0	200	8.84		
DRO >C10-C28*	<10.0	10.0	12/20/2023	ND	186	93.0	200	14.9		
EXT DRO >C28-C36	<10.0	10.0	12/20/2023	ND						

Surrogate: 1-Chlorooctane 86.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.4 % 49.1-148

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 12/20/2023
 Reported: 12/22/2023
 Project Name: TRUNK O
 Project Number: FINAL COMPOSITE CLOSURE
 Project Location: JAL, NM

Sampling Date: 12/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 19 (H236767-19)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/20/2023	ND	2.25	113	2.00	1.40		
Toluene*	<0.050	0.050	12/20/2023	ND	2.28	114	2.00	2.03		
Ethylbenzene*	<0.050	0.050	12/20/2023	ND	2.29	115	2.00	2.21		
Total Xylenes**	<0.150	0.150	12/20/2023	ND	6.80	113	6.00	1.60		
Total BTEX	<0.300	0.300	12/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/21/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/20/2023	ND	180	90.0	200	8.84		
DRO >C10-C28*	<10.0	10.0	12/20/2023	ND	186	93.0	200	14.9		
EXT DRO >C28-C36	<10.0	10.0	12/20/2023	ND						

Surrogate: 1-Chlorooctane 81.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.5 % 49.1-148

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 12/20/2023
 Reported: 12/22/2023
 Project Name: TRUNK O
 Project Number: FINAL COMPOSITE CLOSURE
 Project Location: JAL, NM

Sampling Date: 12/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 20 (H236767-20)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/20/2023	ND	2.25	113	2.00	1.40		
Toluene*	<0.050	0.050	12/20/2023	ND	2.28	114	2.00	2.03		
Ethylbenzene*	<0.050	0.050	12/20/2023	ND	2.29	115	2.00	2.21		
Total Xylenes**	<0.150	0.150	12/20/2023	ND	6.80	113	6.00	1.60		
Total BTEX	<0.300	0.300	12/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/21/2023	ND	416	104	400	10.9		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/20/2023	ND	180	90.0	200	8.84		
DRO >C10-C28*	<10.0	10.0	12/20/2023	ND	186	93.0	200	14.9		
EXT DRO >C28-C36	<10.0	10.0	12/20/2023	ND						

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received:	12/20/2023	Sampling Date:	12/18/2023
Reported:	12/22/2023	Sampling Type:	Soil
Project Name:	TRUNK O	Sampling Condition:	Cool & Intact
Project Number:	FINAL COMPOSITE CLOSURE	Sample Received By:	Tamara Oldaker
Project Location:	JAL, NM		

Sample ID: SW 21 (H236767-21)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/20/2023	ND	2.25	113	2.00	1.40		
Toluene*	<0.050	0.050	12/20/2023	ND	2.28	114	2.00	2.03		
Ethylbenzene*	<0.050	0.050	12/20/2023	ND	2.29	115	2.00	2.21		
Total Xylenes**	<0.150	0.150	12/20/2023	ND	6.80	113	6.00	1.60		
Total BTEX	<0.300	0.300	12/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/21/2023	ND	416	104	400	10.9		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/20/2023	ND	180	90.0	200	8.84		
DRO >C10-C28*	<10.0	10.0	12/20/2023	ND	186	93.0	200	14.9		
EXT DRO >C28-C36	<10.0	10.0	12/20/2023	ND						

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 12/20/2023
 Reported: 12/22/2023
 Project Name: TRUNK O
 Project Number: FINAL COMPOSITE CLOSURE
 Project Location: JAL, NM

Sampling Date: 12/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 22 (H236767-22)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2023	ND	2.25	113	2.00	1.40		
Toluene*	<0.050	0.050	12/21/2023	ND	2.28	114	2.00	2.03		
Ethylbenzene*	<0.050	0.050	12/21/2023	ND	2.29	115	2.00	2.21		
Total Xylenes**	<0.150	0.150	12/21/2023	ND	6.80	113	6.00	1.60		
Total BTEX	<0.300	0.300	12/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	12/21/2023	ND	416	104	400	10.9		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/20/2023	ND	180	90.0	200	8.84		
DRO >C10-C28*	<10.0	10.0	12/20/2023	ND	186	93.0	200	14.9		
EXT DRO >C28-C36	<10.0	10.0	12/20/2023	ND						

Surrogate: 1-Chlorooctane 77.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received:	12/20/2023	Sampling Date:	12/18/2023
Reported:	12/22/2023	Sampling Type:	Soil
Project Name:	TRUNK O	Sampling Condition:	Cool & Intact
Project Number:	FINAL COMPOSITE CLOSURE	Sample Received By:	Tamara Oldaker
Project Location:	JAL, NM		

Sample ID: SW 23 (H236767-23)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2023	ND	2.25	113	2.00	1.40		
Toluene*	<0.050	0.050	12/21/2023	ND	2.28	114	2.00	2.03		
Ethylbenzene*	<0.050	0.050	12/21/2023	ND	2.29	115	2.00	2.21		
Total Xylenes**	<0.150	0.150	12/21/2023	ND	6.80	113	6.00	1.60		
Total BTEX	<0.300	0.300	12/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/21/2023	ND	416	104	400	10.9		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/20/2023	ND	180	90.0	200	8.84		
DRO >C10-C28*	<10.0	10.0	12/20/2023	ND	186	93.0	200	14.9		
EXT DRO >C28-C36	<10.0	10.0	12/20/2023	ND						

Surrogate: 1-Chlorooctane 79.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 12/20/2023
 Reported: 12/22/2023
 Project Name: TRUNK O
 Project Number: FINAL COMPOSITE CLOSURE
 Project Location: JAL, NM

Sampling Date: 12/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 24 (H236767-24)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2023	ND	2.25	113	2.00	1.40		
Toluene*	<0.050	0.050	12/21/2023	ND	2.28	114	2.00	2.03		
Ethylbenzene*	<0.050	0.050	12/21/2023	ND	2.29	115	2.00	2.21		
Total Xylenes**	<0.150	0.150	12/21/2023	ND	6.80	113	6.00	1.60		
Total BTEX	<0.300	0.300	12/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/21/2023	ND	416	104	400	10.9		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/20/2023	ND	180	90.0	200	8.84		
DRO >C10-C28*	<10.0	10.0	12/20/2023	ND	186	93.0	200	14.9		
EXT DRO >C28-C36	<10.0	10.0	12/20/2023	ND						

Surrogate: 1-Chlorooctane 85.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received:	12/20/2023	Sampling Date:	12/18/2023
Reported:	12/22/2023	Sampling Type:	Soil
Project Name:	TRUNK O	Sampling Condition:	Cool & Intact
Project Number:	FINAL COMPOSITE CLOSURE	Sample Received By:	Tamara Oldaker
Project Location:	JAL, NM		

Sample ID: SW 25 (H236767-25)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2023	ND	2.25	113	2.00	1.40		
Toluene*	<0.050	0.050	12/21/2023	ND	2.28	114	2.00	2.03		
Ethylbenzene*	<0.050	0.050	12/21/2023	ND	2.29	115	2.00	2.21		
Total Xylenes**	<0.150	0.150	12/21/2023	ND	6.80	113	6.00	1.60		
Total BTEX	<0.300	0.300	12/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	12/21/2023	ND	416	104	400	10.9		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/20/2023	ND	180	90.0	200	8.84		
DRO >C10-C28*	23.6	10.0	12/20/2023	ND	186	93.0	200	14.9		
EXT DRO >C28-C36	<10.0	10.0	12/20/2023	ND						

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Form with sections: BILL TO, ANALYSIS REQUEST, and a table for sample analysis. Includes fields for Company Name, Project Manager, Address, City, State, Zip, Phone, Fax, Project #, Project Name, Project Location, and Sampler Name. The table has columns for Lab I.D., Sample I.D., Matrix, Preserv, Sampling, Chloride, BTEX, and TPH. Handwritten entries include 'H23676T', sample IDs SW1-SW10, and dates 12/18/23.

No Samples *

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Form with sections: Relinquished By, Received By, Verbal Result, Remarks, Turnaround Time, and Sample Condition. Includes handwritten signatures, dates (12/20/23), and notes like '* Customer requested us to remove samples 1-4 from COC'.

FORM 000 R 3.2 10/07/21

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



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Form with sections: BILL TO, ANALYSIS REQUEST, Lab I.D., Sample I.D., MATRIX, PRESERV., SAMPLING. Includes handwritten entries for Lab I.D. (H236767), Sample I.D. (11 SW 11 to 20 SW 20), and analysis parameters (DATE 12/18/23, TIME).

PLEASE NOTE: Liability and Damages: Cardinal's liability and client's recourse remedy for any claim arising out of this contract...

Form with sections: Relinquished By, Received By, Verbal Result, REMARKS, Turnaround Time, Standard, Bacteria (only) Sample Condition. Includes handwritten signatures and dates.

FORM 006 R 3.2 10/07/21

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



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December 22, 2023

DEAN ERICSON
ENERGY TRANSFER
P. O. BOX 1226
JAL, NM 88252

RE: TRUNK O

Enclosed are the results of analyses for samples received by the laboratory on 12/20/23 8:00.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style.

Celey D. Keene
Lab Director/Quality Manager



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

Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received:	12/20/2023	Sampling Date:	12/18/2023
Reported:	12/22/2023	Sampling Type:	Soil
Project Name:	TRUNK O	Sampling Condition:	Cool & Intact
Project Number:	FINAL COMPOSITE CLOSURE	Sample Received By:	Tamara Oldaker
Project Location:	JAL, NM		

Sample ID: BH 5 (H236768-01)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2023	ND	2.25	113	2.00	1.40		
Toluene*	<0.050	0.050	12/21/2023	ND	2.28	114	2.00	2.03		
Ethylbenzene*	<0.050	0.050	12/21/2023	ND	2.29	115	2.00	2.21		
Total Xylenes*	<0.150	0.150	12/21/2023	ND	6.80	113	6.00	1.60		
Total BTEX	<0.300	0.300	12/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1310	16.0	12/21/2023	ND	416	104	400	10.9		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/21/2023	ND	180	90.0	200	8.84		
DRO >C10-C28*	<10.0	10.0	12/21/2023	ND	186	93.0	200	14.9		
EXT DRO >C28-C36	<10.0	10.0	12/21/2023	ND						

Surrogate: 1-Chlorooctane 69.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 12/20/2023
 Reported: 12/22/2023
 Project Name: TRUNK O
 Project Number: FINAL COMPOSITE CLOSURE
 Project Location: JAL, NM

Sampling Date: 12/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH 6 (H236768-02)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2023	ND	2.25	113	2.00	1.40		
Toluene*	<0.050	0.050	12/21/2023	ND	2.28	114	2.00	2.03		
Ethylbenzene*	<0.050	0.050	12/21/2023	ND	2.29	115	2.00	2.21		
Total Xylenes**	<0.150	0.150	12/21/2023	ND	6.80	113	6.00	1.60		
Total BTEX	<0.300	0.300	12/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	592	16.0	12/21/2023	ND	416	104	400	10.9		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/21/2023	ND	180	90.0	200	8.84		
DRO >C10-C28*	<10.0	10.0	12/21/2023	ND	186	93.0	200	14.9		
EXT DRO >C28-C36	<10.0	10.0	12/21/2023	ND						

Surrogate: 1-Chlorooctane 64.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 71.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received:	12/20/2023	Sampling Date:	12/18/2023
Reported:	12/22/2023	Sampling Type:	Soil
Project Name:	TRUNK O	Sampling Condition:	Cool & Intact
Project Number:	FINAL COMPOSITE CLOSURE	Sample Received By:	Tamara Oldaker
Project Location:	JAL, NM		

Sample ID: BH 7 (H236768-03)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2023	ND	2.25	113	2.00	1.40		
Toluene*	<0.050	0.050	12/21/2023	ND	2.28	114	2.00	2.03		
Ethylbenzene*	<0.050	0.050	12/21/2023	ND	2.29	115	2.00	2.21		
Total Xylenes**	<0.150	0.150	12/21/2023	ND	6.80	113	6.00	1.60		
Total BTEX	<0.300	0.300	12/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	720	16.0	12/21/2023	ND	416	104	400	10.9		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/21/2023	ND	180	90.0	200	8.84		
DRO >C10-C28*	<10.0	10.0	12/21/2023	ND	186	93.0	200	14.9		
EXT DRO >C28-C36	<10.0	10.0	12/21/2023	ND						

Surrogate: 1-Chlorooctane 86.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 12/20/2023
 Reported: 12/22/2023
 Project Name: TRUNK O
 Project Number: FINAL COMPOSITE CLOSURE
 Project Location: JAL, NM

Sampling Date: 12/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH 8 (H236768-04)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2023	ND	2.25	113	2.00	1.40		
Toluene*	<0.050	0.050	12/21/2023	ND	2.28	114	2.00	2.03		
Ethylbenzene*	<0.050	0.050	12/21/2023	ND	2.29	115	2.00	2.21		
Total Xylenes**	<0.150	0.150	12/21/2023	ND	6.80	113	6.00	1.60		
Total BTEX	<0.300	0.300	12/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 103% 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	816	16.0	12/21/2023	ND	416	104	400	10.9		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/21/2023	ND	180	90.0	200	8.84		
DRO >C10-C28*	<10.0	10.0	12/21/2023	ND	186	93.0	200	14.9		
EXT DRO >C28-C36	<10.0	10.0	12/21/2023	ND						

Surrogate: 1-Chlorooctane 73.8% 48.2-134

Surrogate: 1-Chlorooctadecane 82.4% 49.1-148

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 12/20/2023
 Reported: 12/22/2023
 Project Name: TRUNK O
 Project Number: FINAL COMPOSITE CLOSURE
 Project Location: JAL, NM

Sampling Date: 12/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH 9 (H236768-05)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/20/2023	ND	2.09	104	2.00	5.35		
Toluene*	<0.050	0.050	12/20/2023	ND	2.20	110	2.00	6.22		
Ethylbenzene*	<0.050	0.050	12/20/2023	ND	2.23	112	2.00	5.38		
Total Xylenes**	<0.150	0.150	12/20/2023	ND	6.73	112	6.00	5.11		
Total BTEX	<0.300	0.300	12/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 117% 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	592	16.0	12/21/2023	ND	416	104	400	10.9		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/21/2023	ND	180	90.0	200	8.84		
DRO >C10-C28*	<10.0	10.0	12/21/2023	ND	186	93.0	200	14.9		
EXT DRO >C28-C36	<10.0	10.0	12/21/2023	ND						

Surrogate: 1-Chlorooctane 63.9% 48.2-134

Surrogate: 1-Chlorooctadecane 70.4% 49.1-148

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 12/20/2023
 Reported: 12/22/2023
 Project Name: TRUNK O
 Project Number: FINAL COMPOSITE CLOSURE
 Project Location: JAL, NM

Sampling Date: 12/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH 10 (H236768-06)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/20/2023	ND	2.09	104	2.00	5.35		
Toluene*	<0.050	0.050	12/20/2023	ND	2.20	110	2.00	6.22		
Ethylbenzene*	<0.050	0.050	12/20/2023	ND	2.23	112	2.00	5.38		
Total Xylenes**	<0.150	0.150	12/20/2023	ND	6.73	112	6.00	5.11		
Total BTEX	<0.300	0.300	12/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 118 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	784	16.0	12/21/2023	ND	416	104	400	10.9		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/21/2023	ND	180	90.0	200	8.84		
DRO >C10-C28*	<10.0	10.0	12/21/2023	ND	186	93.0	200	14.9		
EXT DRO >C28-C36	<10.0	10.0	12/21/2023	ND						

Surrogate: 1-Chlorooctane 80.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.5 % 49.1-148

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 12/20/2023
 Reported: 12/22/2023
 Project Name: TRUNK O
 Project Number: FINAL COMPOSITE CLOSURE
 Project Location: JAL, NM

Sampling Date: 12/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH 11 (H236768-07)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/20/2023	ND	2.09	104	2.00	5.35		
Toluene*	<0.050	0.050	12/20/2023	ND	2.20	110	2.00	6.22		
Ethylbenzene*	<0.050	0.050	12/20/2023	ND	2.23	112	2.00	5.38		
Total Xylenes**	<0.150	0.150	12/20/2023	ND	6.73	112	6.00	5.11		
Total BTEX	<0.300	0.300	12/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 117% 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1300	16.0	12/21/2023	ND	416	104	400	10.9		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/21/2023	ND	180	90.0	200	8.84		
DRO >C10-C28*	<10.0	10.0	12/21/2023	ND	186	93.0	200	14.9		
EXT DRO >C28-C36	<10.0	10.0	12/21/2023	ND						

Surrogate: 1-Chlorooctane 83.1% 48.2-134

Surrogate: 1-Chlorooctadecane 91.4% 49.1-148

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 12/20/2023
 Reported: 12/22/2023
 Project Name: TRUNK O
 Project Number: FINAL COMPOSITE CLOSURE
 Project Location: JAL, NM

Sampling Date: 12/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH 12 (H236768-08)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/20/2023	ND	2.09	104	2.00	5.35		
Toluene*	<0.050	0.050	12/20/2023	ND	2.20	110	2.00	6.22		
Ethylbenzene*	<0.050	0.050	12/20/2023	ND	2.23	112	2.00	5.38		
Total Xylenes**	<0.150	0.150	12/20/2023	ND	6.73	112	6.00	5.11		
Total BTEX	<0.300	0.300	12/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 118 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1660	16.0	12/21/2023	ND	416	104	400	10.9		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/21/2023	ND	180	90.0	200	8.84		
DRO >C10-C28*	<10.0	10.0	12/21/2023	ND	186	93.0	200	14.9		
EXT DRO >C28-C36	<10.0	10.0	12/21/2023	ND						

Surrogate: 1-Chlorooctane 86.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.7 % 49.1-148

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 12/20/2023
 Reported: 12/22/2023
 Project Name: TRUNK O
 Project Number: FINAL COMPOSITE CLOSURE
 Project Location: JAL, NM

Sampling Date: 12/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH 13 (H236768-09)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/20/2023	ND	2.07	104	2.00	4.32		
Toluene*	<0.050	0.050	12/20/2023	ND	2.18	109	2.00	4.58		
Ethylbenzene*	<0.050	0.050	12/20/2023	ND	2.20	110	2.00	5.05		
Total Xylenes**	<0.150	0.150	12/20/2023	ND	6.66	111	6.00	5.06		
Total BTEX	<0.300	0.300	12/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 117% 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	12/21/2023	ND	416	104	400	10.9		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/21/2023	ND	180	90.0	200	8.84		
DRO >C10-C28*	<10.0	10.0	12/21/2023	ND	186	93.0	200	14.9		
EXT DRO >C28-C36	<10.0	10.0	12/21/2023	ND						

Surrogate: 1-Chlorooctane 82.2% 48.2-134

Surrogate: 1-Chlorooctadecane 90.6% 49.1-148

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 12/20/2023
 Reported: 12/22/2023
 Project Name: TRUNK O
 Project Number: FINAL COMPOSITE CLOSURE
 Project Location: JAL, NM

Sampling Date: 12/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH 14 (H236768-10)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/20/2023	ND	2.07	104	2.00	4.32		
Toluene*	<0.050	0.050	12/20/2023	ND	2.18	109	2.00	4.58		
Ethylbenzene*	<0.050	0.050	12/20/2023	ND	2.20	110	2.00	5.05		
Total Xylenes**	<0.150	0.150	12/20/2023	ND	6.66	111	6.00	5.06		
Total BTEX	<0.300	0.300	12/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 119 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	12/21/2023	ND	416	104	400	10.9		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/21/2023	ND	180	90.0	200	8.84		
DRO >C10-C28*	45.2	10.0	12/21/2023	ND	186	93.0	200	14.9		
EXT DRO >C28-C36	<10.0	10.0	12/21/2023	ND						

Surrogate: 1-Chlorooctane 93.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 12/20/2023
 Reported: 12/22/2023
 Project Name: TRUNK O
 Project Number: FINAL COMPOSITE CLOSURE
 Project Location: JAL, NM

Sampling Date: 12/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH 15 (H236768-11)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/20/2023	ND	2.07	104	2.00	4.32		
Toluene*	<0.050	0.050	12/20/2023	ND	2.18	109	2.00	4.58		
Ethylbenzene*	<0.050	0.050	12/20/2023	ND	2.20	110	2.00	5.05		
Total Xylenes**	<0.150	0.150	12/20/2023	ND	6.66	111	6.00	5.06		
Total BTEX	<0.300	0.300	12/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 117% 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	12/21/2023	ND	416	104	400	10.9		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/20/2023	ND	199	99.6	200	1.14		
DRO >C10-C28*	27.1	10.0	12/20/2023	ND	189	94.4	200	1.35		
EXT DRO >C28-C36	<10.0	10.0	12/20/2023	ND						

Surrogate: 1-Chlorooctane 75.1% 48.2-134

Surrogate: 1-Chlorooctadecane 71.2% 49.1-148

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 12/20/2023
 Reported: 12/22/2023
 Project Name: TRUNK O
 Project Number: FINAL COMPOSITE CLOSURE
 Project Location: JAL, NM

Sampling Date: 12/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH 16 (H236768-12)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/20/2023	ND	2.07	104	2.00	4.32		
Toluene*	<0.050	0.050	12/20/2023	ND	2.18	109	2.00	4.58		
Ethylbenzene*	<0.050	0.050	12/20/2023	ND	2.20	110	2.00	5.05		
Total Xylenes**	<0.150	0.150	12/20/2023	ND	6.66	111	6.00	5.06		
Total BTEX	<0.300	0.300	12/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 119 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	12/21/2023	ND	416	104	400	10.9		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/20/2023	ND	199	99.6	200	1.14		
DRO >C10-C28*	19.6	10.0	12/20/2023	ND	189	94.4	200	1.35		
EXT DRO >C28-C36	<10.0	10.0	12/20/2023	ND						

Surrogate: 1-Chlorooctane 74.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 12/20/2023
 Reported: 12/22/2023
 Project Name: TRUNK O
 Project Number: FINAL COMPOSITE CLOSURE
 Project Location: JAL, NM

Sampling Date: 12/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH 17 (H236768-13)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/20/2023	ND	2.07	104	2.00	4.32		
Toluene*	<0.050	0.050	12/20/2023	ND	2.18	109	2.00	4.58		
Ethylbenzene*	<0.050	0.050	12/20/2023	ND	2.20	110	2.00	5.05		
Total Xylenes**	<0.150	0.150	12/20/2023	ND	6.66	111	6.00	5.06		
Total BTEX	<0.300	0.300	12/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 117% 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	12/21/2023	ND	416	104	400	10.9		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/20/2023	ND	199	99.6	200	1.14		
DRO >C10-C28*	27.0	10.0	12/20/2023	ND	189	94.4	200	1.35		
EXT DRO >C28-C36	<10.0	10.0	12/20/2023	ND						

Surrogate: 1-Chlorooctane 87.2% 48.2-134

Surrogate: 1-Chlorooctadecane 85.3% 49.1-148

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 12/20/2023
 Reported: 12/22/2023
 Project Name: TRUNK O
 Project Number: FINAL COMPOSITE CLOSURE
 Project Location: JAL, NM

Sampling Date: 12/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH 18 (H236768-14)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/20/2023	ND	2.07	104	2.00	4.32		
Toluene*	<0.050	0.050	12/20/2023	ND	2.18	109	2.00	4.58		
Ethylbenzene*	<0.050	0.050	12/20/2023	ND	2.20	110	2.00	5.05		
Total Xylenes**	<0.150	0.150	12/20/2023	ND	6.66	111	6.00	5.06		
Total BTEX	<0.300	0.300	12/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 115 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	12/21/2023	ND	416	104	400	10.9		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/20/2023	ND	199	99.6	200	1.14		
DRO >C10-C28*	44.0	10.0	12/20/2023	ND	189	94.4	200	1.35		
EXT DRO >C28-C36	<10.0	10.0	12/20/2023	ND						

Surrogate: 1-Chlorooctane 78.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.7 % 49.1-148

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 12/20/2023
 Reported: 12/22/2023
 Project Name: TRUNK O
 Project Number: FINAL COMPOSITE CLOSURE
 Project Location: JAL, NM

Sampling Date: 12/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH 19 (H236768-15)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2023	ND	2.07	104	2.00	4.32		
Toluene*	<0.050	0.050	12/21/2023	ND	2.18	109	2.00	4.58		
Ethylbenzene*	<0.050	0.050	12/21/2023	ND	2.20	110	2.00	5.05		
Total Xylenes**	<0.150	0.150	12/21/2023	ND	6.66	111	6.00	5.06		
Total BTEX	<0.300	0.300	12/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 118 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	12/21/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/20/2023	ND	199	99.6	200	1.14		
DRO >C10-C28*	32.6	10.0	12/20/2023	ND	189	94.4	200	1.35		
EXT DRO >C28-C36	<10.0	10.0	12/20/2023	ND						

Surrogate: 1-Chlorooctane 81.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.1 % 49.1-148

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received:	12/20/2023	Sampling Date:	12/18/2023
Reported:	12/22/2023	Sampling Type:	Soil
Project Name:	TRUNK O	Sampling Condition:	Cool & Intact
Project Number:	FINAL COMPOSITE CLOSURE	Sample Received By:	Tamara Oldaker
Project Location:	JAL, NM		

Sample ID: BH 20 (H236768-16)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2023	ND	2.07	104	2.00	4.32		
Toluene*	<0.050	0.050	12/21/2023	ND	2.18	109	2.00	4.58		
Ethylbenzene*	<0.050	0.050	12/21/2023	ND	2.20	110	2.00	5.05		
Total Xylenes**	<0.150	0.150	12/21/2023	ND	6.66	111	6.00	5.06		
Total BTEX	<0.300	0.300	12/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 118 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	12/21/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/20/2023	ND	199	99.6	200	1.14		
DRO >C10-C28*	25.5	10.0	12/20/2023	ND	189	94.4	200	1.35		
EXT DRO >C28-C36	<10.0	10.0	12/20/2023	ND						

Surrogate: 1-Chlorooctane 78.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.5 % 49.1-148

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 12/20/2023
 Reported: 12/22/2023
 Project Name: TRUNK O
 Project Number: FINAL COMPOSITE CLOSURE
 Project Location: JAL, NM

Sampling Date: 12/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH 21 (H236768-17)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2023	ND	2.07	104	2.00	4.32		
Toluene*	<0.050	0.050	12/21/2023	ND	2.18	109	2.00	4.58		
Ethylbenzene*	<0.050	0.050	12/21/2023	ND	2.20	110	2.00	5.05		
Total Xylenes**	<0.150	0.150	12/21/2023	ND	6.66	111	6.00	5.06		
Total BTEX	<0.300	0.300	12/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 119 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	12/21/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/20/2023	ND	199	99.6	200	1.14		
DRO >C10-C28*	63.5	10.0	12/20/2023	ND	189	94.4	200	1.35		
EXT DRO >C28-C36	<10.0	10.0	12/20/2023	ND						

Surrogate: 1-Chlorooctane 79.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.9 % 49.1-148

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received:	12/20/2023	Sampling Date:	12/18/2023
Reported:	12/22/2023	Sampling Type:	Soil
Project Name:	TRUNK O	Sampling Condition:	Cool & Intact
Project Number:	FINAL COMPOSITE CLOSURE	Sample Received By:	Tamara Oldaker
Project Location:	JAL, NM		

Sample ID: BH 22 (H236768-18)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2023	ND	2.07	104	2.00	4.32		
Toluene*	<0.050	0.050	12/21/2023	ND	2.18	109	2.00	4.58		
Ethylbenzene*	<0.050	0.050	12/21/2023	ND	2.20	110	2.00	5.05		
Total Xylenes**	<0.150	0.150	12/21/2023	ND	6.66	111	6.00	5.06		
Total BTEX	<0.300	0.300	12/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 118 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	12/21/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/20/2023	ND	199	99.6	200	1.14		
DRO >C10-C28*	57.4	10.0	12/20/2023	ND	189	94.4	200	1.35		
EXT DRO >C28-C36	<10.0	10.0	12/20/2023	ND						

Surrogate: 1-Chlorooctane 81.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.1 % 49.1-148

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received:	12/20/2023	Sampling Date:	12/18/2023
Reported:	12/22/2023	Sampling Type:	Soil
Project Name:	TRUNK O	Sampling Condition:	Cool & Intact
Project Number:	FINAL COMPOSITE CLOSURE	Sample Received By:	Tamara Oldaker
Project Location:	JAL, NM		

Sample ID: BH 23 (H236768-19)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2023	ND	2.07	104	2.00	4.32		
Toluene*	<0.050	0.050	12/21/2023	ND	2.18	109	2.00	4.58		
Ethylbenzene*	<0.050	0.050	12/21/2023	ND	2.20	110	2.00	5.05		
Total Xylenes**	<0.150	0.150	12/21/2023	ND	6.66	111	6.00	5.06		
Total BTEX	<0.300	0.300	12/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 118 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	12/21/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/20/2023	ND	199	99.6	200	1.14		
DRO >C10-C28*	72.8	10.0	12/20/2023	ND	189	94.4	200	1.35		
EXT DRO >C28-C36	<10.0	10.0	12/20/2023	ND						

Surrogate: 1-Chlorooctane 85.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.9 % 49.1-148

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 12/20/2023
 Reported: 12/22/2023
 Project Name: TRUNK O
 Project Number: FINAL COMPOSITE CLOSURE
 Project Location: JAL, NM

Sampling Date: 12/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH 24 (H236768-20)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2023	ND	2.07	104	2.00	4.32		
Toluene*	<0.050	0.050	12/21/2023	ND	2.18	109	2.00	4.58		
Ethylbenzene*	<0.050	0.050	12/21/2023	ND	2.20	110	2.00	5.05		
Total Xylenes**	<0.150	0.150	12/21/2023	ND	6.66	111	6.00	5.06		
Total BTEX	<0.300	0.300	12/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 117% 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	12/21/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/20/2023	ND	199	99.6	200	1.14		
DRO >C10-C28*	54.6	10.0	12/20/2023	ND	189	94.4	200	1.35		
EXT DRO >C28-C36	<10.0	10.0	12/20/2023	ND						

Surrogate: 1-Chlorooctane 82.0% 48.2-134

Surrogate: 1-Chlorooctadecane 80.1% 49.1-148

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 12/20/2023
 Reported: 12/22/2023
 Project Name: TRUNK O
 Project Number: FINAL COMPOSITE CLOSURE
 Project Location: JAL, NM

Sampling Date: 12/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH 25 (H236768-21)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2023	ND	2.07	104	2.00	4.32		
Toluene*	<0.050	0.050	12/21/2023	ND	2.18	109	2.00	4.58		
Ethylbenzene*	<0.050	0.050	12/21/2023	ND	2.20	110	2.00	5.05		
Total Xylenes**	<0.150	0.150	12/21/2023	ND	6.66	111	6.00	5.06		
Total BTEX	<0.300	0.300	12/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 119 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	12/21/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/20/2023	ND	199	99.6	200	1.14		
DRO >C10-C28*	37.2	10.0	12/20/2023	ND	189	94.4	200	1.35		
EXT DRO >C28-C36	<10.0	10.0	12/20/2023	ND						

Surrogate: 1-Chlorooctane 70.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 67.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 12/20/2023
 Reported: 12/22/2023
 Project Name: TRUNK O
 Project Number: FINAL COMPOSITE CLOSURE
 Project Location: JAL, NM

Sampling Date: 12/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH 26 (H236768-22)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2023	ND	2.07	104	2.00	4.32		
Toluene*	<0.050	0.050	12/21/2023	ND	2.18	109	2.00	4.58		
Ethylbenzene*	<0.050	0.050	12/21/2023	ND	2.20	110	2.00	5.05		
Total Xylenes**	<0.150	0.150	12/21/2023	ND	6.66	111	6.00	5.06		
Total BTEX	<0.300	0.300	12/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 118 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	12/21/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/21/2023	ND	199	99.6	200	1.14		
DRO >C10-C28*	30.1	10.0	12/21/2023	ND	189	94.4	200	1.35		
EXT DRO >C28-C36	<10.0	10.0	12/21/2023	ND						

Surrogate: 1-Chlorooctane 84.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.5 % 49.1-148

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 12/20/2023
 Reported: 12/22/2023
 Project Name: TRUNK O
 Project Number: FINAL COMPOSITE CLOSURE
 Project Location: JAL, NM

Sampling Date: 12/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH 27 (H236768-23)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2023	ND	2.07	104	2.00	4.32		
Toluene*	<0.050	0.050	12/21/2023	ND	2.18	109	2.00	4.58		
Ethylbenzene*	<0.050	0.050	12/21/2023	ND	2.20	110	2.00	5.05		
Total Xylenes**	<0.150	0.150	12/21/2023	ND	6.66	111	6.00	5.06		
Total BTEX	<0.300	0.300	12/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 118 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	12/21/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/21/2023	ND	199	99.6	200	1.14		
DRO >C10-C28*	66.3	10.0	12/21/2023	ND	189	94.4	200	1.35		
EXT DRO >C28-C36	12.0	10.0	12/21/2023	ND						

Surrogate: 1-Chlorooctane 83.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.8 % 49.1-148

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 12/20/2023
 Reported: 12/22/2023
 Project Name: TRUNK O
 Project Number: FINAL COMPOSITE CLOSURE
 Project Location: JAL, NM

Sampling Date: 12/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH 28 (H236768-24)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2023	ND	2.07	104	2.00	4.32		
Toluene*	<0.050	0.050	12/21/2023	ND	2.18	109	2.00	4.58		
Ethylbenzene*	<0.050	0.050	12/21/2023	ND	2.20	110	2.00	5.05		
Total Xylenes**	<0.150	0.150	12/21/2023	ND	6.66	111	6.00	5.06		
Total BTEX	<0.300	0.300	12/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 117% 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	12/21/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/21/2023	ND	199	99.6	200	1.14		
DRO >C10-C28*	75.8	10.0	12/21/2023	ND	189	94.4	200	1.35		
EXT DRO >C28-C36	19.6	10.0	12/21/2023	ND						

Surrogate: 1-Chlorooctane 89.0% 48.2-134

Surrogate: 1-Chlorooctadecane 89.4% 49.1-148

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 12/20/2023
 Reported: 12/22/2023
 Project Name: TRUNK O
 Project Number: FINAL COMPOSITE CLOSURE
 Project Location: JAL, NM

Sampling Date: 12/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH 29 (H236768-25)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2023	ND	2.07	104	2.00	4.32		
Toluene*	<0.050	0.050	12/21/2023	ND	2.18	109	2.00	4.58		
Ethylbenzene*	<0.050	0.050	12/21/2023	ND	2.20	110	2.00	5.05		
Total Xylenes**	<0.150	0.150	12/21/2023	ND	6.66	111	6.00	5.06		
Total BTEX	<0.300	0.300	12/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 116% 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	12/21/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/21/2023	ND	199	99.6	200	1.14		
DRO >C10-C28*	45.8	10.0	12/21/2023	ND	189	94.4	200	1.35		
EXT DRO >C28-C36	14.9	10.0	12/21/2023	ND						

Surrogate: 1-Chlorooctane 76.3% 48.2-134

Surrogate: 1-Chlorooctadecane 73.9% 49.1-148

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 12/20/2023
 Reported: 12/22/2023
 Project Name: TRUNK O
 Project Number: FINAL COMPOSITE CLOSURE
 Project Location: JAL, NM

Sampling Date: 12/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH 30 (H236768-26)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2023	ND	2.07	104	2.00	4.32		
Toluene*	<0.050	0.050	12/21/2023	ND	2.18	109	2.00	4.58		
Ethylbenzene*	<0.050	0.050	12/21/2023	ND	2.20	110	2.00	5.05		
Total Xylenes**	<0.150	0.150	12/21/2023	ND	6.66	111	6.00	5.06		
Total BTEX	<0.300	0.300	12/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 119 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	12/21/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/21/2023	ND	199	99.6	200	1.14		
DRO >C10-C28*	23.5	10.0	12/21/2023	ND	189	94.4	200	1.35		
EXT DRO >C28-C36	<10.0	10.0	12/21/2023	ND						

Surrogate: 1-Chlorooctane 86.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.1 % 49.1-148

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received:	12/20/2023	Sampling Date:	12/18/2023
Reported:	12/22/2023	Sampling Type:	Soil
Project Name:	TRUNK O	Sampling Condition:	Cool & Intact
Project Number:	FINAL COMPOSITE CLOSURE	Sample Received By:	Tamara Oldaker
Project Location:	JAL, NM		

Sample ID: BH 31 (H236768-27)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2023	ND	2.07	104	2.00	4.32		
Toluene*	<0.050	0.050	12/21/2023	ND	2.18	109	2.00	4.58		
Ethylbenzene*	<0.050	0.050	12/21/2023	ND	2.20	110	2.00	5.05		
Total Xylenes**	<0.150	0.150	12/21/2023	ND	6.66	111	6.00	5.06		
Total BTEX	<0.300	0.300	12/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 117% 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	864	16.0	12/21/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/21/2023	ND	199	99.6	200	1.14		
DRO >C10-C28*	<10.0	10.0	12/21/2023	ND	189	94.4	200	1.35		
EXT DRO >C28-C36	<10.0	10.0	12/21/2023	ND						

Surrogate: 1-Chlorooctane 75.4% 48.2-134

Surrogate: 1-Chlorooctadecane 73.1% 49.1-148

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 12/20/2023
 Reported: 12/22/2023
 Project Name: TRUNK O
 Project Number: FINAL COMPOSITE CLOSURE
 Project Location: JAL, NM

Sampling Date: 12/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH 32 (H236768-28)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2023	ND	2.07	104	2.00	4.32		
Toluene*	<0.050	0.050	12/21/2023	ND	2.18	109	2.00	4.58		
Ethylbenzene*	<0.050	0.050	12/21/2023	ND	2.20	110	2.00	5.05		
Total Xylenes**	<0.150	0.150	12/21/2023	ND	6.66	111	6.00	5.06		
Total BTEX	<0.300	0.300	12/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 117% 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	768	16.0	12/21/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/21/2023	ND	199	99.6	200	1.14		
DRO >C10-C28*	<10.0	10.0	12/21/2023	ND	189	94.4	200	1.35		
EXT DRO >C28-C36	<10.0	10.0	12/21/2023	ND						

Surrogate: 1-Chlorooctane 82.3% 48.2-134

Surrogate: 1-Chlorooctadecane 77.4% 49.1-148

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received:	12/20/2023	Sampling Date:	12/18/2023
Reported:	12/22/2023	Sampling Type:	Soil
Project Name:	TRUNK O	Sampling Condition:	Cool & Intact
Project Number:	FINAL COMPOSITE CLOSURE	Sample Received By:	Tamara Oldaker
Project Location:	JAL, NM		

Sample ID: BH 33 (H236768-29)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2023	ND	2.08	104	2.00	0.281		
Toluene*	<0.050	0.050	12/21/2023	ND	2.12	106	2.00	0.438		
Ethylbenzene*	<0.050	0.050	12/21/2023	ND	2.11	105	2.00	0.574		
Total Xylenes**	<0.150	0.150	12/21/2023	ND	6.24	104	6.00	0.513		
Total BTEX	<0.300	0.300	12/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	640	16.0	12/21/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/21/2023	ND	199	99.6	200	1.14		
DRO >C10-C28*	<10.0	10.0	12/21/2023	ND	189	94.4	200	1.35		
EXT DRO >C28-C36	<10.0	10.0	12/21/2023	ND						

Surrogate: 1-Chlorooctane 77.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.6 % 49.1-148

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 12/20/2023
 Reported: 12/22/2023
 Project Name: TRUNK O
 Project Number: FINAL COMPOSITE CLOSURE
 Project Location: JAL, NM

Sampling Date: 12/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH 34 (H236768-30)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2023	ND	2.08	104	2.00	0.281		
Toluene*	<0.050	0.050	12/21/2023	ND	2.12	106	2.00	0.438		
Ethylbenzene*	<0.050	0.050	12/21/2023	ND	2.11	105	2.00	0.574		
Total Xylenes**	<0.150	0.150	12/21/2023	ND	6.24	104	6.00	0.513		
Total BTEX	<0.300	0.300	12/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	12/21/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/21/2023	ND	199	99.6	200	1.14		
DRO >C10-C28*	<10.0	10.0	12/21/2023	ND	189	94.4	200	1.35		
EXT DRO >C28-C36	<10.0	10.0	12/21/2023	ND						

Surrogate: 1-Chlorooctane 76.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 71.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 12/20/2023
 Reported: 12/22/2023
 Project Name: TRUNK O
 Project Number: FINAL COMPOSITE CLOSURE
 Project Location: JAL, NM

Sampling Date: 12/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH 35 (H236768-31)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2023	ND	2.08	104	2.00	0.281		
Toluene*	<0.050	0.050	12/21/2023	ND	2.12	106	2.00	0.438		
Ethylbenzene*	<0.050	0.050	12/21/2023	ND	2.11	105	2.00	0.574		
Total Xylenes**	<0.150	0.150	12/21/2023	ND	6.24	104	6.00	0.513		
Total BTEX	<0.300	0.300	12/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 115 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/21/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/21/2023	ND	196	98.1	200	0.965	QM-07	
DRO >C10-C28*	<10.0	10.0	12/21/2023	ND	194	96.9	200	1.99		
EXT DRO >C28-C36	<10.0	10.0	12/21/2023	ND						

Surrogate: 1-Chlorooctane 95.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 12/20/2023
 Reported: 12/22/2023
 Project Name: TRUNK O
 Project Number: FINAL COMPOSITE CLOSURE
 Project Location: JAL, NM

Sampling Date: 12/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH 36 (H236768-32)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2023	ND	2.08	104	2.00	0.281		
Toluene*	<0.050	0.050	12/21/2023	ND	2.12	106	2.00	0.438		
Ethylbenzene*	<0.050	0.050	12/21/2023	ND	2.11	105	2.00	0.574		
Total Xylenes**	<0.150	0.150	12/21/2023	ND	6.24	104	6.00	0.513		
Total BTEX	<0.300	0.300	12/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	12/21/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/21/2023	ND	196	98.1	200	0.965		
DRO >C10-C28*	<10.0	10.0	12/21/2023	ND	194	96.9	200	1.99		
EXT DRO >C28-C36	<10.0	10.0	12/21/2023	ND						

Surrogate: 1-Chlorooctane 91.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 12/20/2023
 Reported: 12/22/2023
 Project Name: TRUNK O
 Project Number: FINAL COMPOSITE CLOSURE
 Project Location: JAL, NM

Sampling Date: 12/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH 37 (H236768-33)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2023	ND	2.08	104	2.00	0.281		
Toluene*	<0.050	0.050	12/21/2023	ND	2.12	106	2.00	0.438		
Ethylbenzene*	<0.050	0.050	12/21/2023	ND	2.11	105	2.00	0.574		
Total Xylenes**	<0.150	0.150	12/21/2023	ND	6.24	104	6.00	0.513		
Total BTEX	<0.300	0.300	12/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	12/21/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/21/2023	ND	196	98.1	200	0.965		
DRO >C10-C28*	<10.0	10.0	12/21/2023	ND	194	96.9	200	1.99		
EXT DRO >C28-C36	<10.0	10.0	12/21/2023	ND						

Surrogate: 1-Chlorooctane 88.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received:	12/20/2023	Sampling Date:	12/18/2023
Reported:	12/22/2023	Sampling Type:	Soil
Project Name:	TRUNK O	Sampling Condition:	Cool & Intact
Project Number:	FINAL COMPOSITE CLOSURE	Sample Received By:	Tamara Oldaker
Project Location:	JAL, NM		

Sample ID: BH 38 (H236768-34)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2023	ND	2.08	104	2.00	0.281		
Toluene*	<0.050	0.050	12/21/2023	ND	2.12	106	2.00	0.438		
Ethylbenzene*	<0.050	0.050	12/21/2023	ND	2.11	105	2.00	0.574		
Total Xylenes**	<0.150	0.150	12/21/2023	ND	6.24	104	6.00	0.513		
Total BTEX	<0.300	0.300	12/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	12/21/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/21/2023	ND	196	98.1	200	0.965		
DRO >C10-C28*	<10.0	10.0	12/21/2023	ND	194	96.9	200	1.99		
EXT DRO >C28-C36	<10.0	10.0	12/21/2023	ND						

Surrogate: 1-Chlorooctane 91.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 12/20/2023
 Reported: 12/22/2023
 Project Name: TRUNK O
 Project Number: FINAL COMPOSITE CLOSURE
 Project Location: JAL, NM

Sampling Date: 12/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH 39 (H236768-35)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2023	ND	2.08	104	2.00	0.281		
Toluene*	<0.050	0.050	12/21/2023	ND	2.12	106	2.00	0.438		
Ethylbenzene*	<0.050	0.050	12/21/2023	ND	2.11	105	2.00	0.574		
Total Xylenes**	<0.150	0.150	12/21/2023	ND	6.24	104	6.00	0.513		
Total BTEX	<0.300	0.300	12/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	12/21/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/21/2023	ND	196	98.1	200	0.965		
DRO >C10-C28*	<10.0	10.0	12/21/2023	ND	194	96.9	200	1.99		
EXT DRO >C28-C36	<10.0	10.0	12/21/2023	ND						

Surrogate: 1-Chlorooctane 94.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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 JAL NM, 88252
 Fax To:

Received: 12/20/2023
 Reported: 12/22/2023
 Project Name: TRUNK O
 Project Number: FINAL COMPOSITE CLOSURE
 Project Location: JAL, NM

Sampling Date: 12/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH 40 (H236768-36)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2023	ND	2.08	104	2.00	0.281		
Toluene*	<0.050	0.050	12/21/2023	ND	2.12	106	2.00	0.438		
Ethylbenzene*	<0.050	0.050	12/21/2023	ND	2.11	105	2.00	0.574		
Total Xylenes**	<0.150	0.150	12/21/2023	ND	6.24	104	6.00	0.513		
Total BTEX	<0.300	0.300	12/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	12/21/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/21/2023	ND	196	98.1	200	0.965		
DRO >C10-C28*	<10.0	10.0	12/21/2023	ND	194	96.9	200	1.99		
EXT DRO >C28-C36	<10.0	10.0	12/21/2023	ND						

Surrogate: 1-Chlorooctane 97.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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Analytical Results For:

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 Fax To:

Received: 12/20/2023
 Reported: 12/22/2023
 Project Name: TRUNK O
 Project Number: FINAL COMPOSITE CLOSURE
 Project Location: JAL, NM

Sampling Date: 12/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH 41 (H236768-37)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2023	ND	2.08	104	2.00	0.281		
Toluene*	<0.050	0.050	12/21/2023	ND	2.12	106	2.00	0.438		
Ethylbenzene*	<0.050	0.050	12/21/2023	ND	2.11	105	2.00	0.574		
Total Xylenes**	<0.150	0.150	12/21/2023	ND	6.24	104	6.00	0.513		
Total BTEX	<0.300	0.300	12/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	12/21/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/21/2023	ND	196	98.1	200	0.965		
DRO >C10-C28*	<10.0	10.0	12/21/2023	ND	194	96.9	200	1.99		
EXT DRO >C28-C36	<10.0	10.0	12/21/2023	ND						

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

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Analytical Results For:

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 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 12/20/2023
 Reported: 12/22/2023
 Project Name: TRUNK O
 Project Number: FINAL COMPOSITE CLOSURE
 Project Location: JAL, NM

Sampling Date: 12/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH 42 (H236768-38)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2023	ND	2.08	104	2.00	0.281		
Toluene*	<0.050	0.050	12/21/2023	ND	2.12	106	2.00	0.438		
Ethylbenzene*	<0.050	0.050	12/21/2023	ND	2.11	105	2.00	0.574		
Total Xylenes**	<0.150	0.150	12/21/2023	ND	6.24	104	6.00	0.513		
Total BTEX	<0.300	0.300	12/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	12/21/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/21/2023	ND	196	98.1	200	0.965		
DRO >C10-C28*	<10.0	10.0	12/21/2023	ND	194	96.9	200	1.99		
EXT DRO >C28-C36	<10.0	10.0	12/21/2023	ND						

Surrogate: 1-Chlorooctane 96.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 12/20/2023
 Reported: 12/22/2023
 Project Name: TRUNK O
 Project Number: FINAL COMPOSITE CLOSURE
 Project Location: JAL, NM

Sampling Date: 12/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH 43 (H236768-39)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2023	ND	2.08	104	2.00	0.281		
Toluene*	<0.050	0.050	12/21/2023	ND	2.12	106	2.00	0.438		
Ethylbenzene*	<0.050	0.050	12/21/2023	ND	2.11	105	2.00	0.574		
Total Xylenes**	<0.150	0.150	12/21/2023	ND	6.24	104	6.00	0.513		
Total BTEX	<0.300	0.300	12/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 110 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	12/21/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/21/2023	ND	196	98.1	200	0.965		
DRO >C10-C28*	<10.0	10.0	12/21/2023	ND	194	96.9	200	1.99		
EXT DRO >C28-C36	<10.0	10.0	12/21/2023	ND						

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 124 % 49.1-148

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 12/20/2023
 Reported: 12/22/2023
 Project Name: TRUNK O
 Project Number: FINAL COMPOSITE CLOSURE
 Project Location: JAL, NM

Sampling Date: 12/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH 44 (H236768-40)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2023	ND	2.08	104	2.00	0.281		
Toluene*	<0.050	0.050	12/21/2023	ND	2.12	106	2.00	0.438		
Ethylbenzene*	<0.050	0.050	12/21/2023	ND	2.11	105	2.00	0.574		
Total Xylenes**	<0.150	0.150	12/21/2023	ND	6.24	104	6.00	0.513		
Total BTEX	<0.300	0.300	12/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	12/21/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/21/2023	ND	196	98.1	200	0.965		
DRO >C10-C28*	<10.0	10.0	12/21/2023	ND	194	96.9	200	1.99		
EXT DRO >C28-C36	<10.0	10.0	12/21/2023	ND						

Surrogate: 1-Chlorooctane 92.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 12/20/2023
 Reported: 12/22/2023
 Project Name: TRUNK O
 Project Number: FINAL COMPOSITE CLOSURE
 Project Location: JAL, NM

Sampling Date: 12/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH 45 (H236768-41)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2023	ND	2.08	104	2.00	0.281		
Toluene*	<0.050	0.050	12/21/2023	ND	2.12	106	2.00	0.438		
Ethylbenzene*	<0.050	0.050	12/21/2023	ND	2.11	105	2.00	0.574		
Total Xylenes**	<0.150	0.150	12/21/2023	ND	6.24	104	6.00	0.513		
Total BTEX	<0.300	0.300	12/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	12/21/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/21/2023	ND	196	98.1	200	0.965		
DRO >C10-C28*	<10.0	10.0	12/21/2023	ND	194	96.9	200	1.99		
EXT DRO >C28-C36	<10.0	10.0	12/21/2023	ND						

Surrogate: 1-Chlorooctane 89.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 12/20/2023
 Reported: 12/22/2023
 Project Name: TRUNK O
 Project Number: FINAL COMPOSITE CLOSURE
 Project Location: JAL, NM

Sampling Date: 12/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH 46 (H236768-42)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2023	ND	2.08	104	2.00	0.281		
Toluene*	<0.050	0.050	12/21/2023	ND	2.12	106	2.00	0.438		
Ethylbenzene*	<0.050	0.050	12/21/2023	ND	2.11	105	2.00	0.574		
Total Xylenes**	<0.150	0.150	12/21/2023	ND	6.24	104	6.00	0.513		
Total BTEX	<0.300	0.300	12/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 110 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	576	16.0	12/21/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/21/2023	ND	196	98.1	200	0.965		
DRO >C10-C28*	<10.0	10.0	12/21/2023	ND	194	96.9	200	1.99		
EXT DRO >C28-C36	<10.0	10.0	12/21/2023	ND						

Surrogate: 1-Chlorooctane 97.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 12/20/2023
 Reported: 12/22/2023
 Project Name: TRUNK O
 Project Number: FINAL COMPOSITE CLOSURE
 Project Location: JAL, NM

Sampling Date: 12/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH 47 (H236768-43)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2023	ND	2.08	104	2.00	0.281		
Toluene*	<0.050	0.050	12/21/2023	ND	2.12	106	2.00	0.438		
Ethylbenzene*	<0.050	0.050	12/21/2023	ND	2.11	105	2.00	0.574		
Total Xylenes**	<0.150	0.150	12/21/2023	ND	6.24	104	6.00	0.513		
Total BTEX	<0.300	0.300	12/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 112% 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	528	16.0	12/21/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/21/2023	ND	196	98.1	200	0.965		
DRO >C10-C28*	<10.0	10.0	12/21/2023	ND	194	96.9	200	1.99		
EXT DRO >C28-C36	<10.0	10.0	12/21/2023	ND						

Surrogate: 1-Chlorooctane 86.6% 48.2-134

Surrogate: 1-Chlorooctadecane 104% 49.1-148

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 12/20/2023
 Reported: 12/22/2023
 Project Name: TRUNK O
 Project Number: FINAL COMPOSITE CLOSURE
 Project Location: JAL, NM

Sampling Date: 12/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH 48 (H236768-44)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2023	ND	2.08	104	2.00	0.281		
Toluene*	<0.050	0.050	12/21/2023	ND	2.12	106	2.00	0.438		
Ethylbenzene*	<0.050	0.050	12/21/2023	ND	2.11	105	2.00	0.574		
Total Xylenes**	<0.150	0.150	12/21/2023	ND	6.24	104	6.00	0.513		
Total BTEX	<0.300	0.300	12/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	12/21/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/21/2023	ND	196	98.1	200	0.965		
DRO >C10-C28*	<10.0	10.0	12/21/2023	ND	194	96.9	200	1.99		
EXT DRO >C28-C36	<10.0	10.0	12/21/2023	ND						

Surrogate: 1-Chlorooctane 96.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 12/20/2023
 Reported: 12/22/2023
 Project Name: TRUNK O
 Project Number: FINAL COMPOSITE CLOSURE
 Project Location: JAL, NM

Sampling Date: 12/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH 49 (H236768-45)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2023	ND	2.08	104	2.00	0.281		
Toluene*	<0.050	0.050	12/21/2023	ND	2.12	106	2.00	0.438		
Ethylbenzene*	<0.050	0.050	12/21/2023	ND	2.11	105	2.00	0.574		
Total Xylenes**	<0.150	0.150	12/21/2023	ND	6.24	104	6.00	0.513		
Total BTEX	<0.300	0.300	12/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	12/21/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/21/2023	ND	196	98.1	200	0.965		
DRO >C10-C28*	<10.0	10.0	12/21/2023	ND	194	96.9	200	1.99		
EXT DRO >C28-C36	<10.0	10.0	12/21/2023	ND						

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 135 % 49.1-148

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 12/20/2023
 Reported: 12/22/2023
 Project Name: TRUNK O
 Project Number: FINAL COMPOSITE CLOSURE
 Project Location: JAL, NM

Sampling Date: 12/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH 50 (H236768-46)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2023	ND	2.08	104	2.00	0.281		
Toluene*	<0.050	0.050	12/21/2023	ND	2.12	106	2.00	0.438		
Ethylbenzene*	<0.050	0.050	12/21/2023	ND	2.11	105	2.00	0.574		
Total Xylenes**	<0.150	0.150	12/21/2023	ND	6.24	104	6.00	0.513		
Total BTEX	<0.300	0.300	12/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	12/21/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/21/2023	ND	196	98.1	200	0.965		
DRO >C10-C28*	<10.0	10.0	12/21/2023	ND	194	96.9	200	1.99		
EXT DRO >C28-C36	<10.0	10.0	12/21/2023	ND						

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 123 % 49.1-148

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 12/20/2023
 Reported: 12/22/2023
 Project Name: TRUNK O
 Project Number: FINAL COMPOSITE CLOSURE
 Project Location: JAL, NM

Sampling Date: 12/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH 51 (H236768-47)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2023	ND	2.08	104	2.00	0.281		
Toluene*	<0.050	0.050	12/21/2023	ND	2.12	106	2.00	0.438		
Ethylbenzene*	<0.050	0.050	12/21/2023	ND	2.11	105	2.00	0.574		
Total Xylenes**	<0.150	0.150	12/21/2023	ND	6.24	104	6.00	0.513		
Total BTEX	<0.300	0.300	12/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 110 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	12/21/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/21/2023	ND	196	98.1	200	0.965		
DRO >C10-C28*	<10.0	10.0	12/21/2023	ND	194	96.9	200	1.99		
EXT DRO >C28-C36	<10.0	10.0	12/21/2023	ND						

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 12/20/2023
 Reported: 12/22/2023
 Project Name: TRUNK O
 Project Number: FINAL COMPOSITE CLOSURE
 Project Location: JAL, NM

Sampling Date: 12/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH 52 (H236768-48)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2023	ND	2.08	104	2.00	0.281		
Toluene*	<0.050	0.050	12/21/2023	ND	2.12	106	2.00	0.438		
Ethylbenzene*	<0.050	0.050	12/21/2023	ND	2.11	105	2.00	0.574		
Total Xylenes**	<0.150	0.150	12/21/2023	ND	6.24	104	6.00	0.513		
Total BTEX	<0.300	0.300	12/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	12/21/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/21/2023	ND	196	98.1	200	0.965		
DRO >C10-C28*	<10.0	10.0	12/21/2023	ND	194	96.9	200	1.99		
EXT DRO >C28-C36	<10.0	10.0	12/21/2023	ND						

Surrogate: 1-Chlorooctane 90.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 12/20/2023
 Reported: 12/22/2023
 Project Name: TRUNK O
 Project Number: FINAL COMPOSITE CLOSURE
 Project Location: JAL, NM

Sampling Date: 12/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH 53 (H236768-49)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/20/2023	ND	2.38	119	2.00	2.90		
Toluene*	<0.050	0.050	12/20/2023	ND	2.20	110	2.00	6.34		
Ethylbenzene*	<0.050	0.050	12/20/2023	ND	2.27	113	2.00	7.28		
Total Xylenes**	<0.150	0.150	12/20/2023	ND	6.69	111	6.00	8.08		
Total BTEX	<0.300	0.300	12/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 98.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	12/21/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/21/2023	ND	196	98.1	200	0.965		
DRO >C10-C28*	<10.0	10.0	12/21/2023	ND	194	96.9	200	1.99		
EXT DRO >C28-C36	<10.0	10.0	12/21/2023	ND						

Surrogate: 1-Chlorooctane 89.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 12/20/2023
 Reported: 12/22/2023
 Project Name: TRUNK O
 Project Number: FINAL COMPOSITE CLOSURE
 Project Location: JAL, NM

Sampling Date: 12/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH 54 (H236768-50)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/20/2023	ND	2.38	119	2.00	2.90		
Toluene*	<0.050	0.050	12/20/2023	ND	2.20	110	2.00	6.34		
Ethylbenzene*	<0.050	0.050	12/20/2023	ND	2.27	113	2.00	7.28		
Total Xylenes**	<0.150	0.150	12/20/2023	ND	6.69	111	6.00	8.08		
Total BTEX	<0.300	0.300	12/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	832	16.0	12/21/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/21/2023	ND	196	98.1	200	0.965		
DRO >C10-C28*	<10.0	10.0	12/21/2023	ND	194	96.9	200	1.99		
EXT DRO >C28-C36	<10.0	10.0	12/21/2023	ND						

Surrogate: 1-Chlorooctane 88.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 12/20/2023
 Reported: 12/22/2023
 Project Name: TRUNK O
 Project Number: FINAL COMPOSITE CLOSURE
 Project Location: JAL, NM

Sampling Date: 12/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH 55 (H236768-51)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/20/2023	ND	2.38	119	2.00	2.90		
Toluene*	<0.050	0.050	12/20/2023	ND	2.20	110	2.00	6.34		
Ethylbenzene*	<0.050	0.050	12/20/2023	ND	2.27	113	2.00	7.28		
Total Xylenes**	<0.150	0.150	12/20/2023	ND	6.69	111	6.00	8.08		
Total BTEX	<0.300	0.300	12/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 99.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	544	16.0	12/21/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/20/2023	ND	172	86.2	200	2.19		
DRO >C10-C28*	<10.0	10.0	12/20/2023	ND	177	88.6	200	1.88		
EXT DRO >C28-C36	<10.0	10.0	12/20/2023	ND						

Surrogate: 1-Chlorooctane 83.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.0 % 49.1-148

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 12/20/2023
 Reported: 12/22/2023
 Project Name: TRUNK O
 Project Number: FINAL COMPOSITE CLOSURE
 Project Location: JAL, NM

Sampling Date: 12/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH 56 (H236768-52)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/20/2023	ND	2.38	119	2.00	2.90		
Toluene*	<0.050	0.050	12/20/2023	ND	2.20	110	2.00	6.34		
Ethylbenzene*	<0.050	0.050	12/20/2023	ND	2.27	113	2.00	7.28		
Total Xylenes**	<0.150	0.150	12/20/2023	ND	6.69	111	6.00	8.08		
Total BTEX	<0.300	0.300	12/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 103% 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	12/21/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/20/2023	ND	172	86.2	200	2.19		
DRO >C10-C28*	18.1	10.0	12/20/2023	ND	177	88.6	200	1.88		
EXT DRO >C28-C36	<10.0	10.0	12/20/2023	ND						

Surrogate: 1-Chlorooctane 84.0% 48.2-134

Surrogate: 1-Chlorooctadecane 81.2% 49.1-148

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 12/20/2023
 Reported: 12/22/2023
 Project Name: TRUNK O
 Project Number: FINAL COMPOSITE CLOSURE
 Project Location: JAL, NM

Sampling Date: 12/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH 57 (H236768-53)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/20/2023	ND	2.38	119	2.00	2.90		
Toluene*	<0.050	0.050	12/20/2023	ND	2.20	110	2.00	6.34		
Ethylbenzene*	<0.050	0.050	12/20/2023	ND	2.27	113	2.00	7.28		
Total Xylenes**	<0.150	0.150	12/20/2023	ND	6.69	111	6.00	8.08		
Total BTEX	<0.300	0.300	12/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 107% 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	12/21/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/20/2023	ND	172	86.2	200	2.19		
DRO >C10-C28*	21.6	10.0	12/20/2023	ND	177	88.6	200	1.88		
EXT DRO >C28-C36	<10.0	10.0	12/20/2023	ND						

Surrogate: 1-Chlorooctane 91.6% 48.2-134

Surrogate: 1-Chlorooctadecane 88.7% 49.1-148

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 12/20/2023
 Reported: 12/22/2023
 Project Name: TRUNK O
 Project Number: FINAL COMPOSITE CLOSURE
 Project Location: JAL, NM

Sampling Date: 12/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH 58 (H236768-54)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/20/2023	ND	2.38	119	2.00	2.90		
Toluene*	<0.050	0.050	12/20/2023	ND	2.20	110	2.00	6.34		
Ethylbenzene*	<0.050	0.050	12/20/2023	ND	2.27	113	2.00	7.28		
Total Xylenes**	<0.150	0.150	12/20/2023	ND	6.69	111	6.00	8.08		
Total BTEX	<0.300	0.300	12/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	12/21/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/20/2023	ND	172	86.2	200	2.19		
DRO >C10-C28*	<10.0	10.0	12/20/2023	ND	177	88.6	200	1.88		
EXT DRO >C28-C36	<10.0	10.0	12/20/2023	ND						

Surrogate: 1-Chlorooctane 89.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.0 % 49.1-148

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 12/20/2023
 Reported: 12/22/2023
 Project Name: TRUNK O
 Project Number: FINAL COMPOSITE CLOSURE
 Project Location: JAL, NM

Sampling Date: 12/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH 59 (H236768-55)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/20/2023	ND	2.38	119	2.00	2.90		
Toluene*	<0.050	0.050	12/20/2023	ND	2.20	110	2.00	6.34		
Ethylbenzene*	<0.050	0.050	12/20/2023	ND	2.27	113	2.00	7.28		
Total Xylenes**	<0.150	0.150	12/20/2023	ND	6.69	111	6.00	8.08		
Total BTEX	<0.300	0.300	12/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 100% 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/21/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/20/2023	ND	172	86.2	200	2.19		
DRO >C10-C28*	<10.0	10.0	12/20/2023	ND	177	88.6	200	1.88		
EXT DRO >C28-C36	<10.0	10.0	12/20/2023	ND						

Surrogate: 1-Chlorooctane 84.9% 48.2-134

Surrogate: 1-Chlorooctadecane 80.6% 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 12/20/2023
 Reported: 12/22/2023
 Project Name: TRUNK O
 Project Number: FINAL COMPOSITE CLOSURE
 Project Location: JAL, NM

Sampling Date: 12/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH 60 (H236768-56)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/20/2023	ND	2.38	119	2.00	2.90		
Toluene*	<0.050	0.050	12/20/2023	ND	2.20	110	2.00	6.34		
Ethylbenzene*	<0.050	0.050	12/20/2023	ND	2.27	113	2.00	7.28		
Total Xylenes**	<0.150	0.150	12/20/2023	ND	6.69	111	6.00	8.08		
Total BTEX	<0.300	0.300	12/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 116% 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	12/21/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/20/2023	ND	172	86.2	200	2.19		
DRO >C10-C28*	<10.0	10.0	12/20/2023	ND	177	88.6	200	1.88		
EXT DRO >C28-C36	<10.0	10.0	12/20/2023	ND						

Surrogate: 1-Chlorooctane 88.9% 48.2-134

Surrogate: 1-Chlorooctadecane 85.2% 49.1-148

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 12/20/2023
 Reported: 12/22/2023
 Project Name: TRUNK O
 Project Number: FINAL COMPOSITE CLOSURE
 Project Location: JAL, NM

Sampling Date: 12/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH 61 (H236768-57)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/20/2023	ND	2.38	119	2.00	2.90		
Toluene*	<0.050	0.050	12/20/2023	ND	2.20	110	2.00	6.34		
Ethylbenzene*	<0.050	0.050	12/20/2023	ND	2.27	113	2.00	7.28		
Total Xylenes**	<0.150	0.150	12/20/2023	ND	6.69	111	6.00	8.08		
Total BTEX	<0.300	0.300	12/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 106% 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/21/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/20/2023	ND	172	86.2	200	2.19		
DRO >C10-C28*	<10.0	10.0	12/20/2023	ND	177	88.6	200	1.88		
EXT DRO >C28-C36	<10.0	10.0	12/20/2023	ND						

Surrogate: 1-Chlorooctane 85.7% 48.2-134

Surrogate: 1-Chlorooctadecane 81.9% 49.1-148

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 12/20/2023
 Reported: 12/22/2023
 Project Name: TRUNK O
 Project Number: FINAL COMPOSITE CLOSURE
 Project Location: JAL, NM

Sampling Date: 12/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH 62 (H236768-58)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/20/2023	ND	2.38	119	2.00	2.90		
Toluene*	<0.050	0.050	12/20/2023	ND	2.20	110	2.00	6.34		
Ethylbenzene*	<0.050	0.050	12/20/2023	ND	2.27	113	2.00	7.28		
Total Xylenes**	<0.150	0.150	12/20/2023	ND	6.69	111	6.00	8.08		
Total BTEX	<0.300	0.300	12/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 109 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	12/21/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/20/2023	ND	172	86.2	200	2.19		
DRO >C10-C28*	<10.0	10.0	12/20/2023	ND	177	88.6	200	1.88		
EXT DRO >C28-C36	<10.0	10.0	12/20/2023	ND						

Surrogate: 1-Chlorooctane 85.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.7 % 49.1-148

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received:	12/20/2023	Sampling Date:	12/18/2023
Reported:	12/22/2023	Sampling Type:	Soil
Project Name:	TRUNK O	Sampling Condition:	Cool & Intact
Project Number:	FINAL COMPOSITE CLOSURE	Sample Received By:	Tamara Oldaker
Project Location:	JAL, NM		

Sample ID: BH 63 (H236768-59)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/20/2023	ND	2.38	119	2.00	2.90		
Toluene*	<0.050	0.050	12/20/2023	ND	2.20	110	2.00	6.34		
Ethylbenzene*	<0.050	0.050	12/20/2023	ND	2.27	113	2.00	7.28		
Total Xylenes**	<0.150	0.150	12/20/2023	ND	6.69	111	6.00	8.08		
Total BTEX	<0.300	0.300	12/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	12/21/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/20/2023	ND	172	86.2	200	2.19		
DRO >C10-C28*	<10.0	10.0	12/20/2023	ND	177	88.6	200	1.88		
EXT DRO >C28-C36	<10.0	10.0	12/20/2023	ND						

Surrogate: 1-Chlorooctane 85.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.1 % 49.1-148

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 12/20/2023
 Reported: 12/22/2023
 Project Name: TRUNK O
 Project Number: FINAL COMPOSITE CLOSURE
 Project Location: JAL, NM

Sampling Date: 12/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH 64 (H236768-60)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2023	ND	2.38	119	2.00	2.90		
Toluene*	<0.050	0.050	12/21/2023	ND	2.20	110	2.00	6.34		
Ethylbenzene*	<0.050	0.050	12/21/2023	ND	2.27	113	2.00	7.28		
Total Xylenes**	<0.150	0.150	12/21/2023	ND	6.69	111	6.00	8.08		
Total BTEX	<0.300	0.300	12/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 107% 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/21/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/20/2023	ND	172	86.2	200	2.19		
DRO >C10-C28*	<10.0	10.0	12/20/2023	ND	177	88.6	200	1.88		
EXT DRO >C28-C36	<10.0	10.0	12/20/2023	ND						

Surrogate: 1-Chlorooctane 79.9% 48.2-134

Surrogate: 1-Chlorooctadecane 75.8% 49.1-148

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 12/20/2023
 Reported: 12/22/2023
 Project Name: TRUNK O
 Project Number: FINAL COMPOSITE CLOSURE
 Project Location: JAL, NM

Sampling Date: 12/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH 65 (H236768-61)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2023	ND	2.38	119	2.00	2.90		
Toluene*	<0.050	0.050	12/21/2023	ND	2.20	110	2.00	6.34		
Ethylbenzene*	<0.050	0.050	12/21/2023	ND	2.27	113	2.00	7.28		
Total Xylenes**	<0.150	0.150	12/21/2023	ND	6.69	111	6.00	8.08		
Total BTEX	<0.300	0.300	12/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 109 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/21/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/20/2023	ND	172	86.2	200	2.19		
DRO >C10-C28*	<10.0	10.0	12/20/2023	ND	177	88.6	200	1.88		
EXT DRO >C28-C36	<10.0	10.0	12/20/2023	ND						

Surrogate: 1-Chlorooctane 81.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.6 % 49.1-148

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 12/20/2023
 Reported: 12/22/2023
 Project Name: TRUNK O
 Project Number: FINAL COMPOSITE CLOSURE
 Project Location: JAL, NM

Sampling Date: 12/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH 66 (H236768-62)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2023	ND	2.38	119	2.00	2.90		
Toluene*	<0.050	0.050	12/21/2023	ND	2.20	110	2.00	6.34		
Ethylbenzene*	<0.050	0.050	12/21/2023	ND	2.27	113	2.00	7.28		
Total Xylenes**	<0.150	0.150	12/21/2023	ND	6.69	111	6.00	8.08		
Total BTEX	<0.300	0.300	12/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 99.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/21/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/20/2023	ND	172	86.2	200	2.19		
DRO >C10-C28*	<10.0	10.0	12/20/2023	ND	177	88.6	200	1.88		
EXT DRO >C28-C36	<10.0	10.0	12/20/2023	ND						

Surrogate: 1-Chlorooctane 81.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.5 % 49.1-148

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 12/20/2023
 Reported: 12/22/2023
 Project Name: TRUNK O
 Project Number: FINAL COMPOSITE CLOSURE
 Project Location: JAL, NM

Sampling Date: 12/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH 67 (H236768-63)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2023	ND	2.38	119	2.00	2.90		
Toluene*	<0.050	0.050	12/21/2023	ND	2.20	110	2.00	6.34		
Ethylbenzene*	<0.050	0.050	12/21/2023	ND	2.27	113	2.00	7.28		
Total Xylenes**	<0.150	0.150	12/21/2023	ND	6.69	111	6.00	8.08		
Total BTEX	<0.300	0.300	12/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 104% 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/21/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/20/2023	ND	172	86.2	200	2.19		
DRO >C10-C28*	<10.0	10.0	12/20/2023	ND	177	88.6	200	1.88		
EXT DRO >C28-C36	<10.0	10.0	12/20/2023	ND						

Surrogate: 1-Chlorooctane 89.9% 48.2-134

Surrogate: 1-Chlorooctadecane 86.6% 49.1-148

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 12/20/2023
 Reported: 12/22/2023
 Project Name: TRUNK O
 Project Number: FINAL COMPOSITE CLOSURE
 Project Location: JAL, NM

Sampling Date: 12/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH 68 (H236768-64)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2023	ND	2.38	119	2.00	2.90		
Toluene*	<0.050	0.050	12/21/2023	ND	2.20	110	2.00	6.34		
Ethylbenzene*	<0.050	0.050	12/21/2023	ND	2.27	113	2.00	7.28		
Total Xylenes**	<0.150	0.150	12/21/2023	ND	6.69	111	6.00	8.08		
Total BTEX	<0.300	0.300	12/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 116% 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/21/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/21/2023	ND	172	86.2	200	2.19		
DRO >C10-C28*	<10.0	10.0	12/21/2023	ND	177	88.6	200	1.88		
EXT DRO >C28-C36	<10.0	10.0	12/21/2023	ND						

Surrogate: 1-Chlorooctane 88.2% 48.2-134

Surrogate: 1-Chlorooctadecane 84.9% 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received:	12/20/2023	Sampling Date:	12/18/2023
Reported:	12/22/2023	Sampling Type:	Soil
Project Name:	TRUNK O	Sampling Condition:	Cool & Intact
Project Number:	FINAL COMPOSITE CLOSURE	Sample Received By:	Tamara Oldaker
Project Location:	JAL, NM		

Sample ID: BH 69 (H236768-65)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2023	ND	2.38	119	2.00	2.90		
Toluene*	<0.050	0.050	12/21/2023	ND	2.20	110	2.00	6.34		
Ethylbenzene*	<0.050	0.050	12/21/2023	ND	2.27	113	2.00	7.28		
Total Xylenes**	<0.150	0.150	12/21/2023	ND	6.69	111	6.00	8.08		
Total BTEX	<0.300	0.300	12/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	12/21/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/21/2023	ND	172	86.2	200	2.19		
DRO >C10-C28*	<10.0	10.0	12/21/2023	ND	177	88.6	200	1.88		
EXT DRO >C28-C36	<10.0	10.0	12/21/2023	ND						

Surrogate: 1-Chlorooctane 87.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 12/20/2023
 Reported: 12/22/2023
 Project Name: TRUNK O
 Project Number: FINAL COMPOSITE CLOSURE
 Project Location: JAL, NM

Sampling Date: 12/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH 70 (H236768-66)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2023	ND	2.38	119	2.00	2.90		
Toluene*	<0.050	0.050	12/21/2023	ND	2.20	110	2.00	6.34		
Ethylbenzene*	<0.050	0.050	12/21/2023	ND	2.27	113	2.00	7.28		
Total Xylenes**	<0.150	0.150	12/21/2023	ND	6.69	111	6.00	8.08		
Total BTEX	<0.300	0.300	12/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 107% 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	12/21/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/21/2023	ND	172	86.2	200	2.19		
DRO >C10-C28*	<10.0	10.0	12/21/2023	ND	177	88.6	200	1.88		
EXT DRO >C28-C36	<10.0	10.0	12/21/2023	ND						

Surrogate: 1-Chlorooctane 88.6% 48.2-134

Surrogate: 1-Chlorooctadecane 84.1% 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received:	12/20/2023	Sampling Date:	12/18/2023
Reported:	12/22/2023	Sampling Type:	Soil
Project Name:	TRUNK O	Sampling Condition:	Cool & Intact
Project Number:	FINAL COMPOSITE CLOSURE	Sample Received By:	Tamara Oldaker
Project Location:	JAL, NM		

Sample ID: BH 71 (H236768-67)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2023	ND	2.38	119	2.00	2.90		
Toluene*	<0.050	0.050	12/21/2023	ND	2.20	110	2.00	6.34		
Ethylbenzene*	<0.050	0.050	12/21/2023	ND	2.27	113	2.00	7.28		
Total Xylenes**	<0.150	0.150	12/21/2023	ND	6.69	111	6.00	8.08		
Total BTEX	<0.300	0.300	12/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	12/21/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/21/2023	ND	172	86.2	200	2.19		
DRO >C10-C28*	<10.0	10.0	12/21/2023	ND	177	88.6	200	1.88		
EXT DRO >C28-C36	<10.0	10.0	12/21/2023	ND						

Surrogate: 1-Chlorooctane 94.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 12/20/2023
 Reported: 12/22/2023
 Project Name: TRUNK O
 Project Number: FINAL COMPOSITE CLOSURE
 Project Location: JAL, NM

Sampling Date: 12/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH 72 (H236768-68)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2023	ND	2.38	119	2.00	2.90		
Toluene*	<0.050	0.050	12/21/2023	ND	2.20	110	2.00	6.34		
Ethylbenzene*	<0.050	0.050	12/21/2023	ND	2.27	113	2.00	7.28		
Total Xylenes**	<0.150	0.150	12/21/2023	ND	6.69	111	6.00	8.08		
Total BTEX	<0.300	0.300	12/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 109 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/21/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/21/2023	ND	172	86.2	200	2.19		
DRO >C10-C28*	<10.0	10.0	12/21/2023	ND	177	88.6	200	1.88		
EXT DRO >C28-C36	<10.0	10.0	12/21/2023	ND						

Surrogate: 1-Chlorooctane 89.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 12/20/2023
 Reported: 12/22/2023
 Project Name: TRUNK O
 Project Number: FINAL COMPOSITE CLOSURE
 Project Location: JAL, NM

Sampling Date: 12/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH 73 (H236768-69)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2023	ND	2.23	111	2.00	0.388		
Toluene*	<0.050	0.050	12/21/2023	ND	2.25	113	2.00	0.650		
Ethylbenzene*	<0.050	0.050	12/21/2023	ND	2.25	112	2.00	0.875		
Total Xylenes**	<0.150	0.150	12/21/2023	ND	6.70	112	6.00	0.854		
Total BTEX	<0.300	0.300	12/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 103% 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/21/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/21/2023	ND	172	86.2	200	2.19		
DRO >C10-C28*	<10.0	10.0	12/21/2023	ND	177	88.6	200	1.88		
EXT DRO >C28-C36	<10.0	10.0	12/21/2023	ND						

Surrogate: 1-Chlorooctane 87.1% 48.2-134

Surrogate: 1-Chlorooctadecane 85.2% 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 12/20/2023
 Reported: 12/22/2023
 Project Name: TRUNK O
 Project Number: FINAL COMPOSITE CLOSURE
 Project Location: JAL, NM

Sampling Date: 12/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH 74 (H236768-70)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2023	ND	2.23	111	2.00	0.388		
Toluene*	<0.050	0.050	12/21/2023	ND	2.25	113	2.00	0.650		
Ethylbenzene*	<0.050	0.050	12/21/2023	ND	2.25	112	2.00	0.875		
Total Xylenes**	<0.150	0.150	12/21/2023	ND	6.70	112	6.00	0.854		
Total BTEX	<0.300	0.300	12/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/21/2023	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/21/2023	ND	172	86.2	200	2.19		
DRO >C10-C28*	<10.0	10.0	12/21/2023	ND	177	88.6	200	1.88		
EXT DRO >C28-C36	<10.0	10.0	12/21/2023	ND						

Surrogate: 1-Chlorooctane 84.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Wolfpack
Project Manager: Lindsey Nevels
Address: Lindseyn@wolfpackind.com
City: State: Zip:
Phone #: 432 241-2480 Fax #:
Project #: Final Composite Closure Project Owner: ETC
Project Name: Trunk O
Project Location: Jal New Mexico
Sampler Name: Lindsey Nevels

BILL TO ANALYSIS REQUEST
P.O. #:
Company: ETC
Attn: Dean Ericson
Address: Dean.ericson@energytransfer.com
City: Jal
State: NM Zip:
Phone #: 432-238-2142
Fax #:

Table with columns: Lab I.D., Sample I.D., (G)RAB OR (C)OMP, # CONTAINERS, MATRIX (GROUNDWATER, WASTEWATER, SOIL, OIL, SLUDGE, OTHER), PRESERV (ACID/BASE, ICE/COOL, OTHER), SAMPLING (DATE, TIME), Chloride, BTEX, TPH. Includes handwritten entries for samples 1-14.

PLEASE NOTE: Liability and Insurance: Cardinal's liability and client's insurance coverage for any clean up activities based on a contract or fee, shall be limited to the amount paid by the client for the analysis.

Relinquished By: [Signature] Date: 12/20/23
Received By: [Signature] Date:
Observed Temp. -4.6
Sample Condition Cool Intact
CHECKED BY: [Signature]
Turnaround Time: Standard
Thermometer ID: #140 TO
Correction Factor: 0.000

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



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Wolfpack		BILL TO		ANALYSIS REQUEST					
Project Manager: Lindsey Nevels		P.O. #:							
Address: Lindseyn@wolfpackind.com		Company: ETC							
City: State: Zip:		Attn: Dean Ericson							
Phone #: 432 241-2480 Fax #: ETC		Address: Dean.ericson@energytransfer.com							
Project #: Final Composite Closure Project Owner:		City: Jal							
Project Name: Trunk O		State: NM Zip:							
Project Location: Jal New Mexico		Phone #: 432-238-2142							
Sampler Name: Lindsey Nevels		Fax #:							

FOR LAB USE ONLY		G/RAB OR (C)CMP	# CONTAINERS	MATRIX						PRESERV	SAMPLING		Chloride	BTEX	TPH
Lab I.D.	Sample I.D.			GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER			
H236768									<input checked="" type="checkbox"/>		12/18/23				
11	BH 15								<input checked="" type="checkbox"/>						
12	BH 16								<input checked="" type="checkbox"/>						
13	BH 17								<input checked="" type="checkbox"/>						
14	BH 18								<input checked="" type="checkbox"/>						
15	BH 19								<input checked="" type="checkbox"/>						
16	BH 20								<input checked="" type="checkbox"/>						
17	BH 21								<input checked="" type="checkbox"/>						
18	BH 22								<input checked="" type="checkbox"/>						
19	BH 23								<input checked="" type="checkbox"/>						
20	BH 24								<input checked="" type="checkbox"/>						

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Relinquished By: <i>Keene</i>	Date: 2/20/23 Time: 09:00	Received By: <i>Travis</i>	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
Relinquished By:	Date:	Received By:	REMARKS:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C: -4.6 Corrected Temp. °C:	Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> <input type="checkbox"/> Yes <input type="checkbox"/> No	Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/> Thermometer ID: #443 Correction Factor: #140

FORM 606 R 3.2 10/07/21

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



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Wolfpack
Project Manager: Lindsey Nevels
Address: Lindseyn@wolfpackind.com
City: State: Zip:
Phone #: 432 241-2480 Fax #:
Project #: Final Composite Closure Project Owner: ETC
Project Name: Trunk O
Project Location: Jal New Mexico
Sampler Name: Lindsey Nevels

BILL TO ANALYSIS REQUEST
P.O. #:
Company: ETC
Attn: Dean Ericson
Address: Dean.ericson@energytransfer.com
City: Jal
State: NM Zip:
Phone #: 432-238-2142
Fax #:

Table with columns: Lab I.D., Sample I.D., # CONTAINERS, MATRIX (GROUNDWATER, WASTEWATER, SOIL, OIL, SLUDGE, OTHER), PRESERV (ACID/BASE, ICE/COOL, OTHER), SAMPLING (DATE, TIME), Chloride, BTEX, TPH.

PLEASE NOTE: Liability and Waiver. 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 90 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, income, or data, or substitution of affiliates or successors arising out of or related to the performance of services heretofore by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: Lindsey Nevels Date: 12/20/23 Time: 08:00
Received By: [Signature] Date: [Blank] Time: [Blank]
Verbal Result: LI Yes LI No Add'l Phone #:
All Results are emailed. Please provide Email address:
REMARKS:
Delivered By: (Circle One) Observed Temp. °C -4.6 Sample Condition Cool Intact CHECKED BY: (Initials) Turaround Time: Standard Rush Bacteria (only) Sample Condition Cool Intact Observed Temp. °C
Sampler - UPS - Bus - Other: Corrected Temp. °C Thermometer ID #113 Correction Factor 0.5C #140

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



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Wolfpack
Project Manager: Lindsey Nevels
Address: Lindseyn@wolfpackind.com
City: State: Zip:
Phone #: 432 241-2480 Fax #:
Project #: Final Composite Closure Project Owner: ETC
Project Name: Trunk O
Project Location: Jal New Mexico
Sampler Name: Lindsey Nevels
BILL TO: P.O. #: Company: ETC Attn: Dean Ericson Address: Dean.ericson@energytransfer.com City: Jal State: NM Zip: Phone #: 432-238-2142 Fax #:
ANALYSIS REQUEST: Chloride BTEX TPH
Lab I.D. Sample I.D. (GRAB OR C/COMP) # CONTAINERS MATRIX: GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER PRESERV: ACID/BASE ICE / COOL OTHER SAMPLING: DATE TIME

PLEASE NOTE: Leaks and Damages, Contamination, Safety and Health concerns require for any claim involving whether based on a contract or tort, shall be limited to the amount paid by the client for the analysis. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruption, loss of use, or loss of profit incurred by client. In addition, all claims or damages arising out of or related to the performance of services provided by Cardinal regarding all matters shall be based upon any of the above stated amounts or otherwise.

Relinquished By: [Signature] Date: 12/20/23 Time: 08:00am Received By: [Signature] Verbal Result: [] Yes [] No [Add'l Phone #:] All Results are emailed. Please provide Email address:
REMARKS:

Delivered By: (Circle One) Observed Temp. °C -4.6 Sample Condition Cool Intact CHECKED BY: (Initials) Turnaround Time: Standard KUSH Bacteria (only) Sample Condition Cool Intact Observed Temp. °C Corrected Temp. °C Thermometer ID: #140 Correction Factor: #140

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



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Wolfpack
Project Manager: Lindsey Nevels
Address: Lindseyn@wolfpackind.com
City: State: Zip:
Phone #: 432 241-2480 Fax #:
Project #: Final Composite Closure Project Owner: ETC
Project Name: Trunk O
Project Location: Jal New Mexico
Sampler Name: Lindsey Nevels

BILL TO ANALYSIS REQUEST
P.O. #:
Company: ETC
Attn: Dean Ericson
Address: Dean.ericson@energytransfer.com
City: Jal
State: NM Zip:
Phone #: 432-238-2142
Fax #:

Table with columns: Lab I.D., Sample I.D., # CONTAINERS, MATRIX (GROUNDWATER, WASTEWATER, SOIL, OIL, SLUDGE, OTHER), PRESERV (ACID/BASE, ICE / COOL, OTHER), SAMPLING (DATE, TIME), Chloride, BTEX, TPH. Includes handwritten entries for samples 41-50.

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's sole remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analysis. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 90 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including lost profits, 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 furnished by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: [Signature] Date: 12/20/23 Time: 08:00am
Received By: [Signature] Date:
Verbal Result: LI Yes LI No Add'l Phone #:
All Results are emailed. Please provide Email address:
REMARKS:

Delivered By: (Circle One) Observed Temp. °C -4.6 Sample Condition Cool Intact CHECKED BY: (Initials) Turnaround Time: Standard RUSH Bacteria (only) Sample Condition Cool Intact Observed Temp. °C
Sampler - UPS - Bus - Other: Corrected Temp. °C Thermometer ID #113 #140 Correction Factor -0.5 °C

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Wolfpack
Project Manager: Lindsey Nevels
Address: Lindseyn@wolfpackind.com
City: State: Zip:
Phone #: 432 241-2480 Fax #:
Project #: Final Composite Closure Project Owner: ETC
Project Name: Trunk O
Project Location: Jal New Mexico
Sampler Name: Lindsey Nevels

BILL TO

ANALYSIS REQUEST

P.O. #:
Company: ETC
Attn: Dean Ericson
Address: Dean.ericson@energytransfer.com
City: Jal
State: NM Zip:
Phone #: 432-238-2142
Fax #:

Table with columns: Lab I.D., Sample I.D., # CONTAINERS, MATRIX (GROUNDWATER, WASTEWATER, SOIL, OIL, SLUDGE, OTHER), PRESERV (ACID/BASE, ICE/COOL, OTHER), SAMPLING (DATE, TIME), Chloride, BTEX, TPH. Includes handwritten entries for Lab I.D. 4236708 and samples 51-60.

PLEASE NOTE: Liability and Damages. Cardinal 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 profit incurred by client. In substitution, Cardinal is not responsible for any delay in the performance of services furnished by Cardinal, regardless of whether such claim is based upon any of the above stated releases or otherwise.

Relinquished By: [Signature] Date: 12/20/23
Received By: [Signature] Date:
Verbal Result: [] Yes [] No Add'l Phone #:
REMARKS:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:
Observed Temp. °C: -4.6
Sample Condition: Cool Intact
CHECKED BY: (Initials)
Turnaround Time: Standard Rush
Bacteria (only) Sample Condition: Cool Intact Observed Temp. °C

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



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Wolfpack
Project Manager: Lindsey Nevels
Address: Lindseyn@wolfpackind.com
City: State: Zip:
Phone #: 432 241-2480 Fax #:
Project #: Final Composite Closure Project Owner: ETC
Project Name: Trunk O
Project Location: Jal New Mexico
Sampler Name: Lindsey Nevels
BILL TO
ANALYSIS REQUEST

Table with columns: Lab I.D., Sample I.D., # CONTAINERS, MATRIX (GROUNDWATER, WASTEWATER, SOIL, OIL, SLUDGE, OTHER), PRESERV (ACID/BASE, ICE/COOL, OTHER), SAMPLING (DATE, TIME), Chloride, BTEX, TPH. Includes handwritten entries for samples 61-74.

PLEASE NOTE: Liability and litigation. Cardinal Laboratories and client's customer custody for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analysis. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruption, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or its contract arising out of or related to the performance of services provided by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: [Signature] Date: 12/20/23 Received By: [Signature] Verbal Result: [] Yes [] No [] Add'l Phone #:
Observed Temp. °C -4.6 Sample Condition Cool Intact CHECKED BY: [Signature] Turnaround Time: Standard RUSH Bacteria (only) Sample Condition Cool Intact Observed Temp. °C
Thermometer ID #113 Correction Factor -0.50 #140

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



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

December 22, 2023

DEAN ERICSON
ENERGY TRANSFER
P. O. BOX 1226
JAL, NM 88252

RE: TRUNK O

Enclosed are the results of analyses for samples received by the laboratory on 12/20/23 8:00.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene
Lab Director/Quality Manager



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

Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 12/20/2023
 Reported: 12/22/2023
 Project Name: TRUNK O
 Project Number: FINAL COMPOSITE CLOSURE
 Project Location: JAL, NM

Sampling Date: 12/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH 75 (H236769-01)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2023	ND	2.23	111	2.00	0.388		
Toluene*	<0.050	0.050	12/21/2023	ND	2.25	113	2.00	0.650		
Ethylbenzene*	<0.050	0.050	12/21/2023	ND	2.25	112	2.00	0.875		
Total Xylenes*	<0.150	0.150	12/21/2023	ND	6.70	112	6.00	0.854		
Total BTEX	<0.300	0.300	12/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/21/2023	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/21/2023	ND	191	95.3	200	0.703		
DRO >C10-C28*	<10.0	10.0	12/21/2023	ND	180	89.9	200	0.403		
EXT DRO >C28-C36	<10.0	10.0	12/21/2023	ND						

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 12/20/2023
 Reported: 12/22/2023
 Project Name: TRUNK O
 Project Number: FINAL COMPOSITE CLOSURE
 Project Location: JAL, NM

Sampling Date: 12/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH 76 (H236769-02)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2023	ND	2.23	111	2.00	0.388		
Toluene*	<0.050	0.050	12/21/2023	ND	2.25	113	2.00	0.650		
Ethylbenzene*	<0.050	0.050	12/21/2023	ND	2.25	112	2.00	0.875		
Total Xylenes**	<0.150	0.150	12/21/2023	ND	6.70	112	6.00	0.854		
Total BTEX	<0.300	0.300	12/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 103% 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/21/2023	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/21/2023	ND	191	95.3	200	0.703		
DRO >C10-C28*	<10.0	10.0	12/21/2023	ND	180	89.9	200	0.403		
EXT DRO >C28-C36	<10.0	10.0	12/21/2023	ND						

Surrogate: 1-Chlorooctane 98.1% 48.2-134

Surrogate: 1-Chlorooctadecane 96.6% 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 12/20/2023
 Reported: 12/22/2023
 Project Name: TRUNK O
 Project Number: FINAL COMPOSITE CLOSURE
 Project Location: JAL, NM

Sampling Date: 12/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH 77 (H236769-03)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2023	ND	2.23	111	2.00	0.388		
Toluene*	<0.050	0.050	12/21/2023	ND	2.25	113	2.00	0.650		
Ethylbenzene*	<0.050	0.050	12/21/2023	ND	2.25	112	2.00	0.875		
Total Xylenes**	<0.150	0.150	12/21/2023	ND	6.70	112	6.00	0.854		
Total BTEX	<0.300	0.300	12/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/21/2023	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/21/2023	ND	191	95.3	200	0.703		
DRO >C10-C28*	<10.0	10.0	12/21/2023	ND	180	89.9	200	0.403		
EXT DRO >C28-C36	<10.0	10.0	12/21/2023	ND						

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.4 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 12/20/2023
 Reported: 12/22/2023
 Project Name: TRUNK O
 Project Number: FINAL COMPOSITE CLOSURE
 Project Location: JAL, NM

Sampling Date: 12/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH 78 (H236769-04)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2023	ND	2.23	111	2.00	0.388		
Toluene*	<0.050	0.050	12/21/2023	ND	2.25	113	2.00	0.650		
Ethylbenzene*	<0.050	0.050	12/21/2023	ND	2.25	112	2.00	0.875		
Total Xylenes**	<0.150	0.150	12/21/2023	ND	6.70	112	6.00	0.854		
Total BTEX	<0.300	0.300	12/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 103% 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/21/2023	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/21/2023	ND	191	95.3	200	0.703		
DRO >C10-C28*	<10.0	10.0	12/21/2023	ND	180	89.9	200	0.403		
EXT DRO >C28-C36	<10.0	10.0	12/21/2023	ND						

Surrogate: 1-Chlorooctane 99.2% 48.2-134

Surrogate: 1-Chlorooctadecane 98.2% 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 12/20/2023
 Reported: 12/22/2023
 Project Name: TRUNK O
 Project Number: FINAL COMPOSITE CLOSURE
 Project Location: JAL, NM

Sampling Date: 12/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH 79 (H236769-05)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2023	ND	2.23	111	2.00	0.388		
Toluene*	<0.050	0.050	12/21/2023	ND	2.25	113	2.00	0.650		
Ethylbenzene*	<0.050	0.050	12/21/2023	ND	2.25	112	2.00	0.875		
Total Xylenes**	<0.150	0.150	12/21/2023	ND	6.70	112	6.00	0.854		
Total BTEX	<0.300	0.300	12/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/21/2023	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/21/2023	ND	191	95.3	200	0.703		
DRO >C10-C28*	<10.0	10.0	12/21/2023	ND	180	89.9	200	0.403		
EXT DRO >C28-C36	<10.0	10.0	12/21/2023	ND						

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 12/20/2023
 Reported: 12/22/2023
 Project Name: TRUNK O
 Project Number: FINAL COMPOSITE CLOSURE
 Project Location: JAL, NM

Sampling Date: 12/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH 80 (H236769-06)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2023	ND	2.23	111	2.00	0.388		
Toluene*	<0.050	0.050	12/21/2023	ND	2.25	113	2.00	0.650		
Ethylbenzene*	<0.050	0.050	12/21/2023	ND	2.25	112	2.00	0.875		
Total Xylenes**	<0.150	0.150	12/21/2023	ND	6.70	112	6.00	0.854		
Total BTEX	<0.300	0.300	12/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/21/2023	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/21/2023	ND	191	95.3	200	0.703		
DRO >C10-C28*	<10.0	10.0	12/21/2023	ND	180	89.9	200	0.403		
EXT DRO >C28-C36	<10.0	10.0	12/21/2023	ND						

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 12/20/2023
 Reported: 12/22/2023
 Project Name: TRUNK O
 Project Number: FINAL COMPOSITE CLOSURE
 Project Location: JAL, NM

Sampling Date: 12/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH 81 (H236769-07)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2023	ND	2.23	111	2.00	0.388		
Toluene*	<0.050	0.050	12/21/2023	ND	2.25	113	2.00	0.650		
Ethylbenzene*	<0.050	0.050	12/21/2023	ND	2.25	112	2.00	0.875		
Total Xylenes**	<0.150	0.150	12/21/2023	ND	6.70	112	6.00	0.854		
Total BTEX	<0.300	0.300	12/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/21/2023	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/21/2023	ND	191	95.3	200	0.703		
DRO >C10-C28*	<10.0	10.0	12/21/2023	ND	180	89.9	200	0.403		
EXT DRO >C28-C36	<10.0	10.0	12/21/2023	ND						

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 12/20/2023
 Reported: 12/22/2023
 Project Name: TRUNK O
 Project Number: FINAL COMPOSITE CLOSURE
 Project Location: JAL, NM

Sampling Date: 12/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH 82 (H236769-08)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2023	ND	2.23	111	2.00	0.388		
Toluene*	<0.050	0.050	12/21/2023	ND	2.25	113	2.00	0.650		
Ethylbenzene*	<0.050	0.050	12/21/2023	ND	2.25	112	2.00	0.875		
Total Xylenes**	<0.150	0.150	12/21/2023	ND	6.70	112	6.00	0.854		
Total BTEX	<0.300	0.300	12/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/21/2023	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/21/2023	ND	191	95.3	200	0.703		
DRO >C10-C28*	<10.0	10.0	12/21/2023	ND	180	89.9	200	0.403		
EXT DRO >C28-C36	<10.0	10.0	12/21/2023	ND						

Surrogate: 1-Chlorooctane 98.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.6 % 49.1-148

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 12/20/2023
 Reported: 12/22/2023
 Project Name: TRUNK O
 Project Number: FINAL COMPOSITE CLOSURE
 Project Location: JAL, NM

Sampling Date: 12/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH 83 (H236769-09)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2023	ND	2.23	111	2.00	0.388		
Toluene*	<0.050	0.050	12/21/2023	ND	2.25	113	2.00	0.650		
Ethylbenzene*	<0.050	0.050	12/21/2023	ND	2.25	112	2.00	0.875		
Total Xylenes**	<0.150	0.150	12/21/2023	ND	6.70	112	6.00	0.854		
Total BTEX	<0.300	0.300	12/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/21/2023	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/21/2023	ND	191	95.3	200	0.703		
DRO >C10-C28*	<10.0	10.0	12/21/2023	ND	180	89.9	200	0.403		
EXT DRO >C28-C36	<10.0	10.0	12/21/2023	ND						

Surrogate: 1-Chlorooctane 96.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.3 % 49.1-148

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 12/20/2023
 Reported: 12/22/2023
 Project Name: TRUNK O
 Project Number: FINAL COMPOSITE CLOSURE
 Project Location: JAL, NM

Sampling Date: 12/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH 84 (H236769-10)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2023	ND	2.23	111	2.00	0.388		
Toluene*	<0.050	0.050	12/21/2023	ND	2.25	113	2.00	0.650		
Ethylbenzene*	<0.050	0.050	12/21/2023	ND	2.25	112	2.00	0.875		
Total Xylenes**	<0.150	0.150	12/21/2023	ND	6.70	112	6.00	0.854		
Total BTEX	<0.300	0.300	12/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/21/2023	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/21/2023	ND	191	95.3	200	0.703		
DRO >C10-C28*	<10.0	10.0	12/21/2023	ND	180	89.9	200	0.403		
EXT DRO >C28-C36	<10.0	10.0	12/21/2023	ND						

Surrogate: 1-Chlorooctane 99.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.3 % 49.1-148

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 12/20/2023
 Reported: 12/22/2023
 Project Name: TRUNK O
 Project Number: FINAL COMPOSITE CLOSURE
 Project Location: JAL, NM

Sampling Date: 12/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH 85 (H236769-11)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2023	ND	2.23	111	2.00	0.388		
Toluene*	<0.050	0.050	12/21/2023	ND	2.25	113	2.00	0.650		
Ethylbenzene*	<0.050	0.050	12/21/2023	ND	2.25	112	2.00	0.875		
Total Xylenes**	<0.150	0.150	12/21/2023	ND	6.70	112	6.00	0.854		
Total BTEX	<0.300	0.300	12/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/21/2023	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/21/2023	ND	191	95.3	200	0.703		
DRO >C10-C28*	<10.0	10.0	12/21/2023	ND	180	89.9	200	0.403		
EXT DRO >C28-C36	<10.0	10.0	12/21/2023	ND						

Surrogate: 1-Chlorooctane 91.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.2 % 49.1-148

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 12/20/2023
 Reported: 12/22/2023
 Project Name: TRUNK O
 Project Number: FINAL COMPOSITE CLOSURE
 Project Location: JAL, NM

Sampling Date: 12/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH 86 (H236769-12)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2023	ND	2.23	111	2.00	0.388		
Toluene*	<0.050	0.050	12/21/2023	ND	2.25	113	2.00	0.650		
Ethylbenzene*	<0.050	0.050	12/21/2023	ND	2.25	112	2.00	0.875		
Total Xylenes**	<0.150	0.150	12/21/2023	ND	6.70	112	6.00	0.854		
Total BTEX	<0.300	0.300	12/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/21/2023	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/21/2023	ND	191	95.3	200	0.703		
DRO >C10-C28*	<10.0	10.0	12/21/2023	ND	180	89.9	200	0.403		
EXT DRO >C28-C36	<10.0	10.0	12/21/2023	ND						

Surrogate: 1-Chlorooctane 90.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.1 % 49.1-148

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 12/20/2023
 Reported: 12/22/2023
 Project Name: TRUNK O
 Project Number: FINAL COMPOSITE CLOSURE
 Project Location: JAL, NM

Sampling Date: 12/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH 87 (H236769-13)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2023	ND	2.23	111	2.00	0.388		
Toluene*	<0.050	0.050	12/21/2023	ND	2.25	113	2.00	0.650		
Ethylbenzene*	<0.050	0.050	12/21/2023	ND	2.25	112	2.00	0.875		
Total Xylenes**	<0.150	0.150	12/21/2023	ND	6.70	112	6.00	0.854		
Total BTEX	<0.300	0.300	12/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 103% 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	12/21/2023	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/21/2023	ND	191	95.3	200	0.703		
DRO >C10-C28*	<10.0	10.0	12/21/2023	ND	180	89.9	200	0.403		
EXT DRO >C28-C36	<10.0	10.0	12/21/2023	ND						

Surrogate: 1-Chlorooctane 91.9% 48.2-134

Surrogate: 1-Chlorooctadecane 90.4% 49.1-148

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 12/20/2023
 Reported: 12/22/2023
 Project Name: TRUNK O
 Project Number: FINAL COMPOSITE CLOSURE
 Project Location: JAL, NM

Sampling Date: 12/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH 88 (H236769-14)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2023	ND	2.23	111	2.00	0.388		
Toluene*	<0.050	0.050	12/21/2023	ND	2.25	113	2.00	0.650		
Ethylbenzene*	<0.050	0.050	12/21/2023	ND	2.25	112	2.00	0.875		
Total Xylenes**	<0.150	0.150	12/21/2023	ND	6.70	112	6.00	0.854		
Total BTEX	<0.300	0.300	12/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 103% 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	12/21/2023	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/21/2023	ND	191	95.3	200	0.703		
DRO >C10-C28*	<10.0	10.0	12/21/2023	ND	180	89.9	200	0.403		
EXT DRO >C28-C36	<10.0	10.0	12/21/2023	ND						

Surrogate: 1-Chlorooctane 96.0% 48.2-134

Surrogate: 1-Chlorooctadecane 94.8% 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 12/20/2023
 Reported: 12/22/2023
 Project Name: TRUNK O
 Project Number: FINAL COMPOSITE CLOSURE
 Project Location: JAL, NM

Sampling Date: 12/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH 89 (H236769-15)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2023	ND	2.23	111	2.00	0.388		
Toluene*	<0.050	0.050	12/21/2023	ND	2.25	113	2.00	0.650		
Ethylbenzene*	<0.050	0.050	12/21/2023	ND	2.25	112	2.00	0.875		
Total Xylenes**	<0.150	0.150	12/21/2023	ND	6.70	112	6.00	0.854		
Total BTEX	<0.300	0.300	12/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	12/21/2023	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/21/2023	ND	191	95.3	200	0.703		
DRO >C10-C28*	<10.0	10.0	12/21/2023	ND	180	89.9	200	0.403		
EXT DRO >C28-C36	<10.0	10.0	12/21/2023	ND						

Surrogate: 1-Chlorooctane 97.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.3 % 49.1-148

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 12/20/2023
 Reported: 12/22/2023
 Project Name: TRUNK O
 Project Number: FINAL COMPOSITE CLOSURE
 Project Location: JAL, NM

Sampling Date: 12/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH 90 (H236769-16)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2023	ND	2.23	111	2.00	0.388		
Toluene*	<0.050	0.050	12/21/2023	ND	2.25	113	2.00	0.650		
Ethylbenzene*	<0.050	0.050	12/21/2023	ND	2.25	112	2.00	0.875		
Total Xylenes**	<0.150	0.150	12/21/2023	ND	6.70	112	6.00	0.854		
Total BTEX	<0.300	0.300	12/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	12/21/2023	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/21/2023	ND	191	95.3	200	0.703		
DRO >C10-C28*	<10.0	10.0	12/21/2023	ND	180	89.9	200	0.403		
EXT DRO >C28-C36	<10.0	10.0	12/21/2023	ND						

Surrogate: 1-Chlorooctane 96.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.6 % 49.1-148

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 12/20/2023
 Reported: 12/22/2023
 Project Name: TRUNK O
 Project Number: FINAL COMPOSITE CLOSURE
 Project Location: JAL, NM

Sampling Date: 12/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH 91 (H236769-17)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2023	ND	2.47	124	2.00	1.34		
Toluene*	<0.050	0.050	12/21/2023	ND	2.27	113	2.00	0.471		
Ethylbenzene*	<0.050	0.050	12/21/2023	ND	2.33	116	2.00	1.39		
Total Xylenes**	<0.150	0.150	12/21/2023	ND	6.85	114	6.00	2.00		
Total BTEX	<0.300	0.300	12/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	12/21/2023	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/21/2023	ND	191	95.3	200	0.703		
DRO >C10-C28*	<10.0	10.0	12/21/2023	ND	180	89.9	200	0.403		
EXT DRO >C28-C36	<10.0	10.0	12/21/2023	ND						

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 12/20/2023
 Reported: 12/22/2023
 Project Name: TRUNK O
 Project Number: FINAL COMPOSITE CLOSURE
 Project Location: JAL, NM

Sampling Date: 12/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH 92 (H236769-18)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2023	ND	2.47	124	2.00	1.34		
Toluene*	<0.050	0.050	12/21/2023	ND	2.27	113	2.00	0.471		
Ethylbenzene*	<0.050	0.050	12/21/2023	ND	2.33	116	2.00	1.39		
Total Xylenes**	<0.150	0.150	12/21/2023	ND	6.85	114	6.00	2.00		
Total BTEX	<0.300	0.300	12/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 107% 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	12/21/2023	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/21/2023	ND	191	95.3	200	0.703		
DRO >C10-C28*	<10.0	10.0	12/21/2023	ND	180	89.9	200	0.403		
EXT DRO >C28-C36	<10.0	10.0	12/21/2023	ND						

Surrogate: 1-Chlorooctane 98.7% 48.2-134

Surrogate: 1-Chlorooctadecane 98.8% 49.1-148

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 12/20/2023
 Reported: 12/22/2023
 Project Name: TRUNK O
 Project Number: FINAL COMPOSITE CLOSURE
 Project Location: JAL, NM

Sampling Date: 12/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH 93 (H236769-19)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2023	ND	2.09	104	2.00	1.17		
Toluene*	<0.050	0.050	12/21/2023	ND	2.20	110	2.00	2.10		
Ethylbenzene*	<0.050	0.050	12/21/2023	ND	2.22	111	2.00	2.67		
Total Xylenes**	<0.150	0.150	12/21/2023	ND	6.71	112	6.00	2.54		
Total BTEX	<0.300	0.300	12/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 118 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	12/21/2023	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/21/2023	ND	191	95.3	200	0.703		
DRO >C10-C28*	<10.0	10.0	12/21/2023	ND	180	89.9	200	0.403		
EXT DRO >C28-C36	<10.0	10.0	12/21/2023	ND						

Surrogate: 1-Chlorooctane 99.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.3 % 49.1-148

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received:	12/20/2023	Sampling Date:	12/18/2023
Reported:	12/22/2023	Sampling Type:	Soil
Project Name:	TRUNK O	Sampling Condition:	Cool & Intact
Project Number:	FINAL COMPOSITE CLOSURE	Sample Received By:	Tamara Oldaker
Project Location:	JAL, NM		

Sample ID: BH 94 (H236769-20)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2023	ND	2.09	104	2.00	1.17		
Toluene*	<0.050	0.050	12/21/2023	ND	2.20	110	2.00	2.10		
Ethylbenzene*	<0.050	0.050	12/21/2023	ND	2.22	111	2.00	2.67		
Total Xylenes**	<0.150	0.150	12/21/2023	ND	6.71	112	6.00	2.54		
Total BTEX	<0.300	0.300	12/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 118 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	12/21/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/21/2023	ND	191	95.5	200	0.181		
DRO >C10-C28*	<10.0	10.0	12/21/2023	ND	195	97.4	200	3.85		
EXT DRO >C28-C36	<10.0	10.0	12/21/2023	ND						

Surrogate: 1-Chlorooctane 94.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.8 % 49.1-148

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 12/20/2023
 Reported: 12/22/2023
 Project Name: TRUNK O
 Project Number: FINAL COMPOSITE CLOSURE
 Project Location: JAL, NM

Sampling Date: 12/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH 95 (H236769-21)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2023	ND	2.09	104	2.00	1.17		
Toluene*	<0.050	0.050	12/21/2023	ND	2.20	110	2.00	2.10		
Ethylbenzene*	<0.050	0.050	12/21/2023	ND	2.22	111	2.00	2.67		
Total Xylenes**	<0.150	0.150	12/21/2023	ND	6.71	112	6.00	2.54		
Total BTEX	<0.300	0.300	12/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 117% 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	12/21/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/21/2023	ND	188	93.8	200	0.0779		
DRO >C10-C28*	<10.0	10.0	12/21/2023	ND	189	94.5	200	3.11		
EXT DRO >C28-C36	<10.0	10.0	12/21/2023	ND						

Surrogate: 1-Chlorooctane 105% 48.2-134

Surrogate: 1-Chlorooctadecane 101% 49.1-148

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 12/20/2023
 Reported: 12/22/2023
 Project Name: TRUNK O
 Project Number: FINAL COMPOSITE CLOSURE
 Project Location: JAL, NM

Sampling Date: 12/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH 96 (H236769-22)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2023	ND	2.09	104	2.00	1.17		
Toluene*	<0.050	0.050	12/21/2023	ND	2.20	110	2.00	2.10		
Ethylbenzene*	<0.050	0.050	12/21/2023	ND	2.22	111	2.00	2.67		
Total Xylenes**	<0.150	0.150	12/21/2023	ND	6.71	112	6.00	2.54		
Total BTEX	<0.300	0.300	12/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 118 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	12/21/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/21/2023	ND	188	93.8	200	0.0779		
DRO >C10-C28*	<10.0	10.0	12/21/2023	ND	189	94.5	200	3.11		
EXT DRO >C28-C36	<10.0	10.0	12/21/2023	ND						

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 12/20/2023
 Reported: 12/22/2023
 Project Name: TRUNK O
 Project Number: FINAL COMPOSITE CLOSURE
 Project Location: JAL, NM

Sampling Date: 12/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH 97 (H236769-23)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2023	ND	2.09	104	2.00	1.17		
Toluene*	<0.050	0.050	12/21/2023	ND	2.20	110	2.00	2.10		
Ethylbenzene*	<0.050	0.050	12/21/2023	ND	2.22	111	2.00	2.67		
Total Xylenes**	<0.150	0.150	12/21/2023	ND	6.71	112	6.00	2.54		
Total BTEX	<0.300	0.300	12/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 117% 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	12/21/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/21/2023	ND	188	93.8	200	0.0779		
DRO >C10-C28*	<10.0	10.0	12/21/2023	ND	189	94.5	200	3.11		
EXT DRO >C28-C36	<10.0	10.0	12/21/2023	ND						

Surrogate: 1-Chlorooctane 108% 48.2-134

Surrogate: 1-Chlorooctadecane 104% 49.1-148

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 12/20/2023
 Reported: 12/22/2023
 Project Name: TRUNK O
 Project Number: FINAL COMPOSITE CLOSURE
 Project Location: JAL, NM

Sampling Date: 12/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH 98 (H236769-24)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2023	ND	2.33	117	2.00	0.361		
Toluene*	<0.050	0.050	12/21/2023	ND	2.21	111	2.00	3.03		
Ethylbenzene*	<0.050	0.050	12/21/2023	ND	2.30	115	2.00	1.64		
Total Xylenes**	<0.150	0.150	12/21/2023	ND	6.84	114	6.00	2.28		
Total BTEX	<0.300	0.300	12/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	12/21/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/21/2023	ND	188	93.8	200	0.0779		
DRO >C10-C28*	<10.0	10.0	12/21/2023	ND	189	94.5	200	3.11		
EXT DRO >C28-C36	<10.0	10.0	12/21/2023	ND						

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.6 % 49.1-148

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 12/20/2023
 Reported: 12/22/2023
 Project Name: TRUNK O
 Project Number: FINAL COMPOSITE CLOSURE
 Project Location: JAL, NM

Sampling Date: 12/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH 99 (H236769-25)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2023	ND	2.33	117	2.00	0.361		
Toluene*	<0.050	0.050	12/21/2023	ND	2.21	111	2.00	3.03		
Ethylbenzene*	<0.050	0.050	12/21/2023	ND	2.30	115	2.00	1.64		
Total Xylenes**	<0.150	0.150	12/21/2023	ND	6.84	114	6.00	2.28		
Total BTEX	<0.300	0.300	12/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	12/21/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/21/2023	ND	188	93.8	200	0.0779		
DRO >C10-C28*	<10.0	10.0	12/21/2023	ND	189	94.5	200	3.11		
EXT DRO >C28-C36	<10.0	10.0	12/21/2023	ND						

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 12/20/2023
 Reported: 12/22/2023
 Project Name: TRUNK O
 Project Number: FINAL COMPOSITE CLOSURE
 Project Location: JAL, NM

Sampling Date: 12/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH 100 (H236769-26)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2023	ND	2.33	117	2.00	0.361		
Toluene*	<0.050	0.050	12/21/2023	ND	2.21	111	2.00	3.03		
Ethylbenzene*	<0.050	0.050	12/21/2023	ND	2.30	115	2.00	1.64		
Total Xylenes**	<0.150	0.150	12/21/2023	ND	6.84	114	6.00	2.28		
Total BTEX	<0.300	0.300	12/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	12/21/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/21/2023	ND	188	93.8	200	0.0779		
DRO >C10-C28*	<10.0	10.0	12/21/2023	ND	189	94.5	200	3.11		
EXT DRO >C28-C36	<10.0	10.0	12/21/2023	ND						

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 12/20/2023
 Reported: 12/22/2023
 Project Name: TRUNK O
 Project Number: FINAL COMPOSITE CLOSURE
 Project Location: JAL, NM

Sampling Date: 12/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH 101 (H236769-27)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2023	ND	2.33	117	2.00	0.361		
Toluene*	<0.050	0.050	12/21/2023	ND	2.21	111	2.00	3.03		
Ethylbenzene*	<0.050	0.050	12/21/2023	ND	2.30	115	2.00	1.64		
Total Xylenes**	<0.150	0.150	12/21/2023	ND	6.84	114	6.00	2.28		
Total BTEX	<0.300	0.300	12/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	12/21/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/21/2023	ND	188	93.8	200	0.0779		
DRO >C10-C28*	55.3	10.0	12/21/2023	ND	189	94.5	200	3.11		
EXT DRO >C28-C36	10.3	10.0	12/21/2023	ND						

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 12/20/2023
 Reported: 12/22/2023
 Project Name: TRUNK O
 Project Number: FINAL COMPOSITE CLOSURE
 Project Location: JAL, NM

Sampling Date: 12/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH 102 (H236769-28)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2023	ND	2.33	117	2.00	0.361		
Toluene*	<0.050	0.050	12/21/2023	ND	2.21	111	2.00	3.03		
Ethylbenzene*	<0.050	0.050	12/21/2023	ND	2.30	115	2.00	1.64		
Total Xylenes**	<0.150	0.150	12/21/2023	ND	6.84	114	6.00	2.28		
Total BTEX	<0.300	0.300	12/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	704	16.0	12/21/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/21/2023	ND	188	93.8	200	0.0779		
DRO >C10-C28*	186	10.0	12/21/2023	ND	189	94.5	200	3.11		
EXT DRO >C28-C36	29.4	10.0	12/21/2023	ND						

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received:	12/20/2023	Sampling Date:	12/18/2023
Reported:	12/22/2023	Sampling Type:	Soil
Project Name:	TRUNK O	Sampling Condition:	Cool & Intact
Project Number:	FINAL COMPOSITE CLOSURE	Sample Received By:	Tamara Oldaker
Project Location:	JAL, NM		

Sample ID: BH 103 (H236769-29)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2023	ND	2.33	117	2.00	0.361		
Toluene*	<0.050	0.050	12/21/2023	ND	2.21	111	2.00	3.03		
Ethylbenzene*	<0.050	0.050	12/21/2023	ND	2.30	115	2.00	1.64		
Total Xylenes**	<0.150	0.150	12/21/2023	ND	6.84	114	6.00	2.28		
Total BTEX	<0.300	0.300	12/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/21/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/21/2023	ND	188	93.8	200	0.0779		
DRO >C10-C28*	13.4	10.0	12/21/2023	ND	189	94.5	200	3.11		
EXT DRO >C28-C36	<10.0	10.0	12/21/2023	ND						

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.4 % 49.1-148

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 12/20/2023
 Reported: 12/22/2023
 Project Name: TRUNK O
 Project Number: FINAL COMPOSITE CLOSURE
 Project Location: JAL, NM

Sampling Date: 12/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH 104 (H236769-30)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2023	ND	2.33	117	2.00	0.361		
Toluene*	<0.050	0.050	12/21/2023	ND	2.21	111	2.00	3.03		
Ethylbenzene*	<0.050	0.050	12/21/2023	ND	2.30	115	2.00	1.64		
Total Xylenes**	<0.150	0.150	12/21/2023	ND	6.84	114	6.00	2.28		
Total BTEX	<0.300	0.300	12/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 99.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	12/21/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/21/2023	ND	188	93.8	200	0.0779		
DRO >C10-C28*	<10.0	10.0	12/21/2023	ND	189	94.5	200	3.11		
EXT DRO >C28-C36	<10.0	10.0	12/21/2023	ND						

Surrogate: 1-Chlorooctane 97.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.9 % 49.1-148

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 12/20/2023
 Reported: 12/22/2023
 Project Name: TRUNK O
 Project Number: FINAL COMPOSITE CLOSURE
 Project Location: JAL, NM

Sampling Date: 12/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH 105 (H236769-31)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2023	ND	2.33	117	2.00	0.361		
Toluene*	<0.050	0.050	12/21/2023	ND	2.21	111	2.00	3.03		
Ethylbenzene*	<0.050	0.050	12/21/2023	ND	2.30	115	2.00	1.64		
Total Xylenes**	<0.150	0.150	12/21/2023	ND	6.84	114	6.00	2.28		
Total BTEX	<0.300	0.300	12/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 101% 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	12/21/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/21/2023	ND	188	93.8	200	0.0779		
DRO >C10-C28*	99.4	10.0	12/21/2023	ND	189	94.5	200	3.11		
EXT DRO >C28-C36	13.6	10.0	12/21/2023	ND						

Surrogate: 1-Chlorooctane 92.7% 48.2-134

Surrogate: 1-Chlorooctadecane 90.6% 49.1-148

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 12/20/2023
 Reported: 12/22/2023
 Project Name: TRUNK O
 Project Number: FINAL COMPOSITE CLOSURE
 Project Location: JAL, NM

Sampling Date: 12/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH 106 (H236769-32)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2023	ND	2.33	117	2.00	0.361		
Toluene*	<0.050	0.050	12/21/2023	ND	2.21	111	2.00	3.03		
Ethylbenzene*	<0.050	0.050	12/21/2023	ND	2.30	115	2.00	1.64		
Total Xylenes**	<0.150	0.150	12/21/2023	ND	6.84	114	6.00	2.28		
Total BTEX	<0.300	0.300	12/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	12/21/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/21/2023	ND	188	93.8	200	0.0779		
DRO >C10-C28*	68.5	10.0	12/21/2023	ND	189	94.5	200	3.11		
EXT DRO >C28-C36	<10.0	10.0	12/21/2023	ND						

Surrogate: 1-Chlorooctane 96.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.6 % 49.1-148

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 12/20/2023
 Reported: 12/22/2023
 Project Name: TRUNK O
 Project Number: FINAL COMPOSITE CLOSURE
 Project Location: JAL, NM

Sampling Date: 12/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH 107 (H236769-33)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2023	ND	2.33	117	2.00	0.361		
Toluene*	<0.050	0.050	12/21/2023	ND	2.21	111	2.00	3.03		
Ethylbenzene*	<0.050	0.050	12/21/2023	ND	2.30	115	2.00	1.64		
Total Xylenes**	<0.150	0.150	12/21/2023	ND	6.84	114	6.00	2.28		
Total BTEX	<0.300	0.300	12/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 107% 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	12/21/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/21/2023	ND	188	93.8	200	0.0779		
DRO >C10-C28*	<10.0	10.0	12/21/2023	ND	189	94.5	200	3.11		
EXT DRO >C28-C36	<10.0	10.0	12/21/2023	ND						

Surrogate: 1-Chlorooctane 98.6% 48.2-134

Surrogate: 1-Chlorooctadecane 94.1% 49.1-148

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 12/20/2023
 Reported: 12/22/2023
 Project Name: TRUNK O
 Project Number: FINAL COMPOSITE CLOSURE
 Project Location: JAL, NM

Sampling Date: 12/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH 108 (H236769-34)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2023	ND	2.33	117	2.00	0.361		
Toluene*	<0.050	0.050	12/21/2023	ND	2.21	111	2.00	3.03		
Ethylbenzene*	<0.050	0.050	12/21/2023	ND	2.30	115	2.00	1.64		
Total Xylenes**	<0.150	0.150	12/21/2023	ND	6.84	114	6.00	2.28		
Total BTEX	<0.300	0.300	12/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	12/21/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/21/2023	ND	188	93.8	200	0.0779		
DRO >C10-C28*	25.3	10.0	12/21/2023	ND	189	94.5	200	3.11		
EXT DRO >C28-C36	<10.0	10.0	12/21/2023	ND						

Surrogate: 1-Chlorooctane 97.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.1 % 49.1-148

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 12/20/2023
 Reported: 12/22/2023
 Project Name: TRUNK O
 Project Number: FINAL COMPOSITE CLOSURE
 Project Location: JAL, NM

Sampling Date: 12/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH 109 (H236769-35)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2023	ND	2.33	117	2.00	0.361		
Toluene*	<0.050	0.050	12/21/2023	ND	2.21	111	2.00	3.03		
Ethylbenzene*	<0.050	0.050	12/21/2023	ND	2.30	115	2.00	1.64		
Total Xylenes**	<0.150	0.150	12/21/2023	ND	6.84	114	6.00	2.28		
Total BTEX	<0.300	0.300	12/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 101% 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	12/21/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/21/2023	ND	188	93.8	200	0.0779		
DRO >C10-C28*	<10.0	10.0	12/21/2023	ND	189	94.5	200	3.11		
EXT DRO >C28-C36	<10.0	10.0	12/21/2023	ND						

Surrogate: 1-Chlorooctane 91.7% 48.2-134

Surrogate: 1-Chlorooctadecane 85.8% 49.1-148

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 12/20/2023
 Reported: 12/22/2023
 Project Name: TRUNK O
 Project Number: FINAL COMPOSITE CLOSURE
 Project Location: JAL, NM

Sampling Date: 12/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH 110 (H236769-36)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2023	ND	2.33	117	2.00	0.361		
Toluene*	<0.050	0.050	12/21/2023	ND	2.21	111	2.00	3.03		
Ethylbenzene*	<0.050	0.050	12/21/2023	ND	2.30	115	2.00	1.64		
Total Xylenes**	<0.150	0.150	12/21/2023	ND	6.84	114	6.00	2.28		
Total BTEX	<0.300	0.300	12/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 108 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	448	16.0	12/21/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/21/2023	ND	188	93.8	200	0.0779		
DRO >C10-C28*	13.2	10.0	12/21/2023	ND	189	94.5	200	3.11		
EXT DRO >C28-C36	<10.0	10.0	12/21/2023	ND						

Surrogate: 1-Chlorooctane 96.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.2 % 49.1-148

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 12/20/2023
 Reported: 12/22/2023
 Project Name: TRUNK O
 Project Number: FINAL COMPOSITE CLOSURE
 Project Location: JAL, NM

Sampling Date: 12/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH 111 (H236769-37)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2023	ND	2.33	117	2.00	0.361		
Toluene*	<0.050	0.050	12/21/2023	ND	2.21	111	2.00	3.03		
Ethylbenzene*	<0.050	0.050	12/21/2023	ND	2.30	115	2.00	1.64		
Total Xylenes**	<0.150	0.150	12/21/2023	ND	6.84	114	6.00	2.28		
Total BTEX	<0.300	0.300	12/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 101% 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	480	16.0	12/21/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/21/2023	ND	188	93.8	200	0.0779		
DRO >C10-C28*	<10.0	10.0	12/21/2023	ND	189	94.5	200	3.11		
EXT DRO >C28-C36	<10.0	10.0	12/21/2023	ND						

Surrogate: 1-Chlorooctane 92.8% 48.2-134

Surrogate: 1-Chlorooctadecane 88.9% 49.1-148

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 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 12/20/2023
 Reported: 12/22/2023
 Project Name: TRUNK O
 Project Number: FINAL COMPOSITE CLOSURE
 Project Location: JAL, NM

Sampling Date: 12/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH 112 (H236769-38)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2023	ND	2.33	117	2.00	0.361		
Toluene*	<0.050	0.050	12/21/2023	ND	2.21	111	2.00	3.03		
Ethylbenzene*	<0.050	0.050	12/21/2023	ND	2.30	115	2.00	1.64		
Total Xylenes**	<0.150	0.150	12/21/2023	ND	6.84	114	6.00	2.28		
Total BTEX	<0.300	0.300	12/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	608	16.0	12/21/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/21/2023	ND	188	93.8	200	0.0779		
DRO >C10-C28*	<10.0	10.0	12/21/2023	ND	189	94.5	200	3.11		
EXT DRO >C28-C36	<10.0	10.0	12/21/2023	ND						

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.2 % 49.1-148

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Analytical Results For:

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 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 12/20/2023
 Reported: 12/22/2023
 Project Name: TRUNK O
 Project Number: FINAL COMPOSITE CLOSURE
 Project Location: JAL, NM

Sampling Date: 12/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH 113 (H236769-39)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2023	ND	2.33	117	2.00	0.361		
Toluene*	<0.050	0.050	12/21/2023	ND	2.21	111	2.00	3.03		
Ethylbenzene*	<0.050	0.050	12/21/2023	ND	2.30	115	2.00	1.64		
Total Xylenes**	<0.150	0.150	12/21/2023	ND	6.84	114	6.00	2.28		
Total BTEX	<0.300	0.300	12/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 101% 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	688	16.0	12/21/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/21/2023	ND	188	93.8	200	0.0779		
DRO >C10-C28*	<10.0	10.0	12/21/2023	ND	189	94.5	200	3.11		
EXT DRO >C28-C36	<10.0	10.0	12/21/2023	ND						

Surrogate: 1-Chlorooctane 95.8% 48.2-134

Surrogate: 1-Chlorooctadecane 90.8% 49.1-148

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 12/20/2023
 Reported: 12/22/2023
 Project Name: TRUNK O
 Project Number: FINAL COMPOSITE CLOSURE
 Project Location: JAL, NM

Sampling Date: 12/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH 114 (H236769-40)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2023	ND	2.33	117	2.00	0.361		
Toluene*	<0.050	0.050	12/21/2023	ND	2.21	111	2.00	3.03		
Ethylbenzene*	<0.050	0.050	12/21/2023	ND	2.30	115	2.00	1.64		
Total Xylenes**	<0.150	0.150	12/21/2023	ND	6.84	114	6.00	2.28		
Total BTEX	<0.300	0.300	12/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	464	16.0	12/21/2023	ND	432	108	400	3.64	QM-07	

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/21/2023	ND	188	93.8	200	0.0779		
DRO >C10-C28*	<10.0	10.0	12/21/2023	ND	189	94.5	200	3.11		
EXT DRO >C28-C36	<10.0	10.0	12/21/2023	ND						

Surrogate: 1-Chlorooctane 95.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.3 % 49.1-148

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 12/20/2023
 Reported: 12/22/2023
 Project Name: TRUNK O
 Project Number: FINAL COMPOSITE CLOSURE
 Project Location: JAL, NM

Sampling Date: 12/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH 115 (H236769-41)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2023	ND	2.33	117	2.00	0.361		
Toluene*	<0.050	0.050	12/21/2023	ND	2.21	111	2.00	3.03		
Ethylbenzene*	<0.050	0.050	12/21/2023	ND	2.30	115	2.00	1.64		
Total Xylenes**	<0.150	0.150	12/21/2023	ND	6.84	114	6.00	2.28		
Total BTEX	<0.300	0.300	12/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	12/21/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/21/2023	ND	208	104	200	1.75		
DRO >C10-C28*	12.4	10.0	12/21/2023	ND	196	98.2	200	3.41		
EXT DRO >C28-C36	<10.0	10.0	12/21/2023	ND						

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 12/20/2023
 Reported: 12/22/2023
 Project Name: TRUNK O
 Project Number: FINAL COMPOSITE CLOSURE
 Project Location: JAL, NM

Sampling Date: 12/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH 116 (H236769-42)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2023	ND	2.33	117	2.00	0.361		
Toluene*	<0.050	0.050	12/21/2023	ND	2.21	111	2.00	3.03		
Ethylbenzene*	<0.050	0.050	12/21/2023	ND	2.30	115	2.00	1.64		
Total Xylenes**	<0.150	0.150	12/21/2023	ND	6.84	114	6.00	2.28		
Total BTEX	<0.300	0.300	12/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	608	16.0	12/21/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/21/2023	ND	208	104	200	1.75		
DRO >C10-C28*	195	10.0	12/21/2023	ND	196	98.2	200	3.41		
EXT DRO >C28-C36	38.8	10.0	12/21/2023	ND						

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 12/20/2023
 Reported: 12/22/2023
 Project Name: TRUNK O
 Project Number: FINAL COMPOSITE CLOSURE
 Project Location: JAL, NM

Sampling Date: 12/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH 117 (H236769-43)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2023	ND	2.33	117	2.00	0.361		
Toluene*	<0.050	0.050	12/21/2023	ND	2.21	111	2.00	3.03		
Ethylbenzene*	<0.050	0.050	12/21/2023	ND	2.30	115	2.00	1.64		
Total Xylenes**	<0.150	0.150	12/21/2023	ND	6.84	114	6.00	2.28		
Total BTEX	<0.300	0.300	12/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	432	16.0	12/21/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/21/2023	ND	208	104	200	1.75		
DRO >C10-C28*	275	10.0	12/21/2023	ND	196	98.2	200	3.41		
EXT DRO >C28-C36	62.9	10.0	12/21/2023	ND						

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 12/20/2023
 Reported: 12/22/2023
 Project Name: TRUNK O
 Project Number: FINAL COMPOSITE CLOSURE
 Project Location: JAL, NM

Sampling Date: 12/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH 118 (H236769-44)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2023	ND	1.99	99.4	2.00	0.674		
Toluene*	<0.050	0.050	12/21/2023	ND	2.08	104	2.00	0.605		
Ethylbenzene*	<0.050	0.050	12/21/2023	ND	2.05	103	2.00	0.747		
Total Xylenes**	<0.150	0.150	12/21/2023	ND	6.20	103	6.00	0.850		
Total BTEX	<0.300	0.300	12/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	800	16.0	12/21/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/21/2023	ND	208	104	200	1.75		
DRO >C10-C28*	116	10.0	12/21/2023	ND	196	98.2	200	3.41		
EXT DRO >C28-C36	17.6	10.0	12/21/2023	ND						

Surrogate: 1-Chlorooctane 94.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 12/20/2023
 Reported: 12/22/2023
 Project Name: TRUNK O
 Project Number: FINAL COMPOSITE CLOSURE
 Project Location: JAL, NM

Sampling Date: 12/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH 119 (H236769-45)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2023	ND	1.99	99.4	2.00	0.674		
Toluene*	<0.050	0.050	12/21/2023	ND	2.08	104	2.00	0.605		
Ethylbenzene*	<0.050	0.050	12/21/2023	ND	2.05	103	2.00	0.747		
Total Xylenes**	<0.150	0.150	12/21/2023	ND	6.20	103	6.00	0.850		
Total BTEX	<0.300	0.300	12/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	640	16.0	12/21/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/21/2023	ND	208	104	200	1.75		
DRO >C10-C28*	115	10.0	12/21/2023	ND	196	98.2	200	3.41		
EXT DRO >C28-C36	20.6	10.0	12/21/2023	ND						

Surrogate: 1-Chlorooctane 96.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received:	12/20/2023	Sampling Date:	12/18/2023
Reported:	12/22/2023	Sampling Type:	Soil
Project Name:	TRUNK O	Sampling Condition:	Cool & Intact
Project Number:	FINAL COMPOSITE CLOSURE	Sample Received By:	Tamara Oldaker
Project Location:	JAL, NM		

Sample ID: BH 120 (H236769-46)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2023	ND	1.99	99.4	2.00	0.674		
Toluene*	<0.050	0.050	12/21/2023	ND	2.08	104	2.00	0.605		
Ethylbenzene*	<0.050	0.050	12/21/2023	ND	2.05	103	2.00	0.747		
Total Xylenes**	<0.150	0.150	12/21/2023	ND	6.20	103	6.00	0.850		
Total BTEX	<0.300	0.300	12/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	864	16.0	12/21/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/21/2023	ND	208	104	200	1.75		
DRO >C10-C28*	112	10.0	12/21/2023	ND	196	98.2	200	3.41		
EXT DRO >C28-C36	17.7	10.0	12/21/2023	ND						

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 12/20/2023
 Reported: 12/22/2023
 Project Name: TRUNK O
 Project Number: FINAL COMPOSITE CLOSURE
 Project Location: JAL, NM

Sampling Date: 12/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH 121 (H236769-47)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2023	ND	1.99	99.4	2.00	0.674		
Toluene*	<0.050	0.050	12/21/2023	ND	2.08	104	2.00	0.605		
Ethylbenzene*	<0.050	0.050	12/21/2023	ND	2.05	103	2.00	0.747		
Total Xylenes**	<0.150	0.150	12/21/2023	ND	6.20	103	6.00	0.850		
Total BTEX	<0.300	0.300	12/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 110 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	12/21/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/21/2023	ND	208	104	200	1.75		
DRO >C10-C28*	<10.0	10.0	12/21/2023	ND	196	98.2	200	3.41		
EXT DRO >C28-C36	<10.0	10.0	12/21/2023	ND						

Surrogate: 1-Chlorooctane 82.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.6 % 49.1-148

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Analytical Results For:

ENERGY TRANSFER
 DEAN ERICSON
 P. O. BOX 1226
 JAL NM, 88252
 Fax To:

Received: 12/20/2023
 Reported: 12/22/2023
 Project Name: TRUNK O
 Project Number: FINAL COMPOSITE CLOSURE
 Project Location: JAL, NM

Sampling Date: 12/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BH 4 (H236769-53)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2023	ND	1.99	99.4	2.00	0.674		
Toluene*	<0.050	0.050	12/21/2023	ND	2.08	104	2.00	0.605		
Ethylbenzene*	<0.050	0.050	12/21/2023	ND	2.05	103	2.00	0.747		
Total Xylenes**	<0.150	0.150	12/21/2023	ND	6.20	103	6.00	0.850		
Total BTEX	<0.300	0.300	12/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PII) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1200	16.0	12/21/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/21/2023	ND	208	104	200	1.75		
DRO >C10-C28*	15.3	10.0	12/21/2023	ND	196	98.2	200	3.41		
EXT DRO >C28-C36	<10.0	10.0	12/21/2023	ND						

Surrogate: 1-Chlorooctane 84.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.8 % 49.1-148

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Notes and Definitions

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

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*=Accredited Analyte

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Wolfpack
Project Manager: Lindsey Nevels
Address: Lindseyn@wolfpackind.com
City: State: Zip:
Phone #: 432 241-2480 Fax #:
Project #: Final Composite Closure Project Owner: ETC
Project Name: Trunk O
Project Location: Jal New Mexico
Sampler Name: Lindsey Nevels

BILL TO

ANALYSIS REQUEST

P.O. #:
Company: ETC
Attn: Dean Ericson
Address: Dean.ericson@energytransfer.com
City: Jal
State: NM Zip:
Phone #: 432-238-2142
Fax #:

Table with columns: Lab I.D., Sample I.D., # CONTAINERS, MATRIX (GROUNDWATER, WASTEWATER, SOIL, OIL, SLUDGE, OTHER), PRESERV (ACID/BASE, ICE/COOL, OTHER), SAMPLING (DATE, TIME), Chloride, BTEX, TPH. Includes handwritten entries for samples 1-10.

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Relinquished By: Amen Nevels Date: 12/20/23 Time: 8:00am
Received By: Tamara Eldredge
Verbal Result: [] Yes [] No Add'l Phone #:
All Results are emailed. Please provide Email address:
REMARKS:
Delivered By: (Circle One)
Observed Temp. °C: -4.6
Sample Condition: Cool Intact [X] Yes [] No
CHECKED BY: (Initials) JS-
Turnaround Time: Standard [X] Bacteria (only) Sample Condition
Thermometer ID: #1113 #1140
Correction Factor: -0.02 -0.12/20/23

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



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Wolfpack
Project Manager: Lindsey Nevels
Address: Lindseyn@wolfpackind.com
City: State: Zip:
Phone #: 432 241-2480 Fax #: ETC
Project #: Final Composite Closure Project Owner:
Project Name: Trunk O
Project Location: Jal New Mexico
Sampler Name: Lindsey Nevels

BILL TO

ANALYSIS REQUEST

P.O. #:
Company: ETC
Attn: Dean Ericson
Address: Dean.ericson@energytransfer.com
City: Jal
State: NM Zip:
Phone #: 432-238-2142
Fax #:

Table with columns: Lab I.D., Sample I.D., # CONTAINERS, MATRIX (GROUNDWATER, WASTEWATER, SOIL, OIL, SLUDGE, OTHER), PRESERV (ACID/BASE, ICE/COOL, OTHER), SAMPLING (DATE, TIME), and Analytes (Chloride, BTEX, TPH). Includes handwritten entries for Lab I.D. H236769 and sample IDs 11-20.

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Relinquished By: [Signature] Date: 12/12/23 Time: 8:00am
Received By: [Signature] Date:
Verbal Result: [] Yes [] No Add'l Phone #:
REMARKS:
Turnaround Time: Standard Rush [X]
Bacteria (only) Sample Condition: Cool Intact Observed Temp. °C
Thermometer ID: 5443 Correction Factor: 0.500 #140

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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: Wolfpack		BILL TO				ANALYSIS REQUEST													
Project Manager: Lindsey Nevels		P.O. #:																	
Address: Lindseyn@wolfpackind.com		Company: ETC																	
City: State: Zip:		Attn: Dean Ericson																	
Phone #: 432 241-2480 Fax #:		Address: Dean.ericson@energytransfer.com																	
Project #: Final Composite Closure Project Owner: ETC		City: Jal																	
Project Name: Trunk O		State: NM Zip:																	
Project Location: Jal New Mexico		Phone #: 432-238-2142																	
Sampler Name: Lindsey Nevels		Fax #:																	
FOR LAB USE ONLY																			
Lab I.D.	Sample I.D.	(G/RAB OR C/COMP)	# CONTAINERS	MATRIX	PRESERV							SAMPLING	DATE	TIME	Chloride	BTEX	TPH		
H236769																			
21 BH	95	C		GROUNDWATER			12/8/23												
22 BH	96	C		WASTEWATER															
23 BH	97	C		SOIL															
24 BH	98	C		CIL															
25 BH	99	C		SLUDGE															
26 BH	100	C		OTHER															
27 BH	101	C		ACID/BASE															
28 BH	102	C		ICE / COOL															
29 BH	103	C		OTHER															
30 BH	104	C					12/8/23												

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Relinquished By: <i>[Signature]</i>	Date: 12/8/23	Received By: <i>[Signature]</i>	Verbal Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Add'l Phone #:	
Relinquished By:	Date: 8:00am	Received By:	All Results are emailed. Please provide Email address:		
Delivered By: (Circle One)	Observed Temp. °C: -4.6	Sample Condition: Cool Intact <input checked="" type="checkbox"/>	Checked By: (Initials): J.P.	Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>	Bacteria (only) Sample Condition: Cool Intact <input checked="" type="checkbox"/>
Sampler - UPS - Bus - Other:	Corrected Temp. °C:	Thermometer ID: #140	Correction Factor: -0.5°C	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Observed Temp. °C: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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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: Wolfpack		BILL TO		ANALYSIS REQUEST									
Project Manager: Lindsey Nevels		P.O. #:											
Address: Lindseyn@wolfpackind.com		Company: ETC											
City: State: Zip:		Attn: Dean Ericson											
Phone #: 432 241-2480 Fax #:		Address: Dean.ericson@energytransfer.com											
Project #: Final Composite Closure Project Owner: ETC		City: Jal											
Project Name: Trunk O		State: NM Zip:											
Project Location: Jal New Mexico		Phone #: 432-238-2142											
Sampler Name: Lindsey Nevels		Fax #:											

Lab I.D.	Sample I.D.	(G)RAB OR (C)OUP	# CONTAINERS	MATRIX					PRESERV.		SAMPLING		DATE	TIME	Chloride	BTEX	TPH
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER					
H236769																	
31	BH 105	C				X				X		12/12/23					
32	BH 106	C				X				X							
33	BH 107	C				X				X							
34	BH 108	C				X				X							
35	BH 109	C				X				X							
36	BH 110	C				X				X							
37	BH 110	C				X				X							
38	BH 112	C				X				X							
39	BH 113	C				X				X							
40	BH 114	C				X				X		12/18/23					

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Relinquished By: <i>[Signature]</i>	Date: 12/20/23	Received By: <i>[Signature]</i>	Verbal Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (Add'l Phone #: _____)
Relinquished By: _____	Date: _____	Received By: _____	All Results are emailed. Please provide Email address: _____
Delivered By: (Circle One)	Observed Temp. °C: -4.6	Sample Condition: Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>	Turnaround Time: _____
Sampler - UPS - Bus - Other: _____	Corrected Temp. °C: _____	Checked By: (Initials) <i>[Signature]</i>	Thermometer ID: #113 Correction Factor: 0.5 °C
			Standard <i>[Signature]</i> <input checked="" type="checkbox"/> Bacteria (only) <input type="checkbox"/>
			Cool Intact <input type="checkbox"/> Observed Temp. °C: _____
			Yes <input type="checkbox"/> No <input type="checkbox"/>
			Corrected Temp. °C: _____

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Wolfpack
Project Manager: Lindsey Nevels
Address: Lindseyn@wolfpackind.com
City: State: Zip:
Phone #: 432 241-2480 Fax #: ETC
Project #: Final Composite Closure Project Owner: ETC
Project Name: Trunk O
Project Location: Jal New Mexico
Sampler Name: Lindsey Nevels

BILL TO
P.O. #:
Company: ETC
Attn: Dean Ericson
Address: Dean.ericson@energytransfer.com
City: Jal
State: NM Zip:
Phone #: 432-238-2142
Fax #:

ANALYSIS REQUEST

Table with columns: Lab I.D., Sample I.D., # GRAB OR (C)C/MIP, # CONTAINERS, MATRIX (GROUNDWATER, WASTEWATER, SOIL, OIL, SLUDGE, OTHER), PRESERV (ACID/BASE, ICE/COOL, OTHER), SAMPLING (DATE, TIME), Chloride, BTEX, TPH. Includes handwritten entries for samples 41-50 and dates 12/18/23 and 12/19/23.

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Relinquished By: [Signature] Date: 12/20/23
Received By: [Signature] Date: 12/20/23

Verbal Result: [] Yes [] No Add'l Phone #:
All Results are emailed. Please provide Email address:

REMARKS: * Customer requested us to remove samples from COC and add trend

Delivered By: (Circle One) Observed Temp. °C -4.6
Sampler - UPS - Bus - Other: Corrected Temp. °C
Sample Condition Cool Intact Yes Yes No No
CHECKED BY: (Initials) [Signature]

Turnaround Time: Standard Rush
Bacteria (only) Sample Condition Cool Intact Observed Temp. °C
Thermometer ID #115 #140
Correction Factor 0.00 #140

Handwritten notes: 12/20/23

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Form with sections: Company Name, Project Manager, Address, City, State, Zip, Phone #, Fax #, Project #, Project Name, Project Location, Sampler Name, BILL TO, ANALYSIS REQUEST, Lab I.D., Sample I.D., MATRIX, PRESERV, SAMPLING, Chloride, BTEX, TPH.

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's recourse remedy for any claim arising out of this contract or fact shall be limited to the amount paid by the client for the analyses.

Form with sections: Relinquished By, Received By, Date, Time, Verbal Result, REMARKS, Turnaround Time, Thermometer ID, Correction Factor, Sample Condition, Checked By, Delivered By, Observed Temp, Corrected Temp.

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Attachment V
NMOCD Form C-141 Remediation Pages

Received by OCD: 11/30/2023 6:13:47 AM

Page 1 of 8

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural
Resources Department

Form C-143
Revised August 24, 2018
Submit to appropriate OCD District office

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

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party ETC Texas Pipeline, Ltd.	OGRID 371183
Contact Name Dean D. Ericson	Contact Telephone 432-238-2142
Contact email dean.ericson@energytransfer.com	Incident # (assigned by OCD)
Contact mailing address 600 N. Marienfeld St., Suite 700, Midland, TX 79701	

Location of Release Source

Latitude 32.284919 Longitude -103.2428843
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Trunk O	Site type Pipeline
Date Release Discovered 11/22/2023	API# (if applicable)

Unit Letter	Section	Township	Range	County
M	23	T23S	R36E	Lea

Surface Owner: State Federal Tribal Private (Name: New Mexico State Lands)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Natural Gas	Volume Released (Mcf) 7,776 (Mcf)	Volume Recovered (Mcf)
<input checked="" type="checkbox"/> Other (describe) Pipeline Liquids	Volume/Weight Released (provide units) 43.73bbls	Volume/Weight Recovered (provide units) 25bbls
Cause of Release Unknown at this time		

Released to Imaging: 11/30/2023 3:24:20 PM

Released to Imaging: 4/8/2024 3:33:22 PM

Received by OCD: 11/30/2023 6:13:47 AM
Form C-141

Page 2 of 8

Page 2

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release? > 25bbls released
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? 11/24/23 @ 10:19am - called Mike Bratcher, voice message left.	

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.
If all the actions described above have <u>not</u> been undertaken, explain why: Initial clean-up activities are underway.
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and or regulations.
Printed Name: <u>Dean D. Ericson</u> Title: <u>Sr. Environmental Specialist</u> Signature: <u>Dean D. Ericson</u> Date: <u>11/24/2023</u> email: <u>dean.ericson@energytransfer.com</u> Telephone: <u>432-238-2142</u>
OCD Only Received by: <u>Scott Rodgers</u> Date: <u>11/30/2023</u>

Form C-141

State of New Mexico
Oil Conservation Division

Page 3

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>400'</u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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

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

- Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- Field data
- Data table of soil contaminant concentration data
- Depth to water determination
- Determination of water sources and significant watercourses within 1/2-mile of the lateral extents of the release
- Boring or excavation logs
- Photographs including date and GIS information
- Topographic/Aerial maps
- Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

Received by OCD: 11/30/2023 6:13:47 AM
Form C-141

State of New Mexico
Oil Conservation Division

Page 4 of 8

Page 4

Incident ID	
District RP	
Facility ID	
Application ID	

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

Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

Form C-141
Page 6

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

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

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

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

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

Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

Trunk O Volume Calcs 11/22/2023

Liquid Spill Secondary Containment with Liner

Enter Numbers Only

Length of Spill Area (ft):	153.0	Est. Liquid Vol. (bbls):	-11.87946
Width of Spill Area (ft):	214.0	Porosity Factor (soil type):	Sandstone
Depth of Spill Area (ft):	0.5	Vol. of Oil Released (bbls):	13.12054
% Oil in Liquid:	30.0	Vol. of Water Released (bbls):	30.61459
Amount Recovd. (bbls):	25.0	Impacted Soil Vol (ft ³):	50.528

Gas Release Calc. (Leak, Relief Vlv, etc.)

Hole or Rip/Gouge?:	Rip/Gouge	Specific Gravity:	0.750
Length (in inches):	8.547	Pipeline Diameter:	31.000
Width (in inches):	8.100	Equivalent Diameter:	9.389
Diameter (in inches):		Release Rate (MCF/Hour):	3,110.5
Pressure (psig):	30.0	Gas Release (Mcf):	7,776.1
Temperature (Deg F):	90.0		

Received by OCD: 11/30/2023 6:13:47 AM

Page 8 of 8

District I
 1825 N. French Dr., Hobbs, NM 88240
 Phone:(575) 393-6161 Fax:(575) 393-0720

District II
 811 S. First St., Artesia, NM 88210
 Phone:(575) 748-1283 Fax:(575) 748-9720

District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV
 1220 S. St Francis Dr., Santa Fe, NM 87505
 Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action: 289655

CONDITIONS

Operator: ETC Texas Pipeline, Ltd. 8111 Westchester Drive Dallas, TX 75245	OSRID: 371183
	Action Number: 289655
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	None	11/30/2023

Released to Imaging: 11/30/2023 3:24:20 PM

Released to Imaging: 4/8/2024 3:33:22 PM

District I
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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
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QUESTIONS

Action 312140

QUESTIONS

Operator: ETC Texas Pipeline, Ltd. 8111 Westchester Drive Dallas, TX 75225	OGRID: 371183
	Action Number: 312140
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2332840084
Incident Name	NAPP2332840084 TRUNK O @ 0
Incident Type	Release Other
Incident Status	Remediation Closure Report Received
Incident Facility	[fAPP2123149329] ETC NGGS

Location of Release Source

Please answer all the questions in this group.

Site Name	TRUNK O
Date Release Discovered	11/22/2023
Surface Owner	State

Incident Details

Please answer all the questions in this group.

Incident Type	Release Other
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

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.

Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	Not answered.
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Cause: High Line Pressure Pipeline (Any) Natural Gas Liquids Released: 44 BBL Recovered: 25 BBL Lost: 19 BBL.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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Action 312140

QUESTIONS (continued)

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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	<i>Not answered.</i>

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: Dean Ericson Title: Sr. Environmental Specialist Email: dean.ericson@energytransfer.com Date: 02/07/2024
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QUESTIONS (continued)

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	Action Number: 312140
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

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 100 and 500 (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	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (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 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

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)	4500
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	8015
GRO+DRO (EPA SW-846 Method 8015M)	8015
BTEX (EPA SW-846 Method 8021B or 8260B)	8021
Benzene (EPA SW-846 Method 8021B or 8260B)	8021

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	11/24/2023
On what date will (or did) the final sampling or liner inspection occur	12/20/2023
On what date will (or was) the remediation complete(d)	12/26/2023
What is the estimated surface area (in square feet) that will be reclaimed	26852
What is the estimated volume (in cubic yards) that will be reclaimed	2528
What is the estimated surface area (in square feet) that will be remediated	26852
What is the estimated volume (in cubic yards) that will be remediated	2528

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 312140

QUESTIONS (continued)

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	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

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	SUNDANCE WEST [fJEG1635837006]
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	No
OR is the off-site disposal site, to be used, an NMED facility	No
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No

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: Dean Ericson Title: Sr. Environmental Specialist Email: dean.ericson@energytransfer.com Date: 02/12/2024
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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 312140

QUESTIONS (continued)

Operator: ETC Texas Pipeline, Ltd. 8111 Westchester Drive Dallas, TX 75225	OGRID: 371183
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	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

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 312140

QUESTIONS (continued)

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	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	296003
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	12/22/2023
What was the (estimated) number of samples that were to be gathered	14
What was the sampling surface area in square feet	1875

Remediation Closure Request	
<i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	26852
What was the total volume (cubic yards) remediated	2528
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	26852
What was the total volume (in cubic yards) reclaimed	2528
Summarize any additional remediation activities not included by answers (above)	Remediation Activities completed.

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

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

I hereby agree and sign off to the above statement	Name: Dean Ericson Title: Sr. Environmental Specialist Email: dean.ericson@energytransfer.com Date: 02/12/2024
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QUESTIONS, Page 7

Action 312140

QUESTIONS (continued)

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QUESTIONS

Reclamation Report	
<i>Only answer the questions in this group if all reclamation steps have been completed.</i>	
Requesting a reclamation approval with this submission	No

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CONDITIONS

Action 312140

CONDITIONS

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CONDITIONS

Created By	Condition	Condition Date
nvelez	None	4/8/2024