

March 28, 2025

New Mexico Oil Conservation Division 1220 South St. Francis Drive Santa Fe, New Mexico 87505

Re: Closure Request Addendum Shanghai Rooster 15-3 Fed 105H Incident Number NAPP2400450611 Eddy County, New Mexico

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of XTO Energy, Inc. (XTO), has prepared the following *Closure Request Addendum* (*Addendum*) to the original *Closure Request* submitted December 20, 2024. This *Addendum* details the additional remediation activities completed at the Shanghai Rooster 15-3 Fed 105H (Site) in response to the denial of the original *Closure Request* by the New Mexico Oil Conservation Division (NMOCD). In the denial, the NMOCD indicated the Site needed additional confirmation soil samples to define the edge of the release extent. Based on the additional remediation activities described below, XTO is submitting this *Closure Request Addendum* and requesting closure for Incident Number NAPP2400450611.

BACKGROUND

The Site is located in Unit O, Section 15, Township 25 South, Range 29 East, in Eddy County, New Mexico (32.12367°, -103.97186°) and is associated with oil and gas exploration and production operations on Federal Land managed by the Bureau of Land Management (BLM).

On December 23, 2023, equipment failure on the well resulted in the release of 87 barrels (bbls) of water-based drilling mud onto the surface of the well pad. A vacuum truck was dispatched to the Site to recover free standing fluids, and approximately 80 bbls of released fluids were recovered. XTO reported the release to the NMOCD via email and submitted an Initial C-141 Application (C-141) on January 4, 2024. The release was assigned Incident Number NAPP2400450611.

The *Closure Request* detailed the Site characterization completed to assess the applicability of Table I Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29 (19.15.29) of the New Mexico Administrative Code (NMAC). Results from the characterization desktop review are presented in the original *Closure Request* submitted December 20, 2024. Based on the results of the Site characterization, the following Table I Closure Criteria (Closure Criteria) were applied:

- Benzene: 10 milligrams per kilogram (mg/kg)
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg

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XTO Energy, Inc Closure Request Addendum Shanghai Rooster 15-3 Fed 105H

> Total petroleum hydrocarbons (TPH)-gasoline range organics (GRO) and TPH-diesel range organics (DRO): 1,000 mg/kg

TPH: 2,500 mg/kg

Chloride: 20,000 mg/kg

Between April 2024 and December 2024, XTO conducted Site assessment, delineation, and excavation activities in response to the release. An estimated 3,300 cubic yards of impacted soil were excavated from the Site. Based on the Site remediation activities and laboratory results from the soil sampling events, XTO submitted a *Closure Request* on December 20, 2024, requesting no further action following delineation of the release and excavation of all soil exceeding the Closure Criteria. Details of all previously completed remedial activities can be found in the original *Closure Request* included in Appendix A. On January 14, 2025, NMOCD denied the *Closure Request* for Incident Number NAPP2400450611 for the following reason:

The Remediation Closure Report is Denied. Sidewall samples should be delineated/excavated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release.

On January 15, 2025, NMOCD and XTO discussed the denial of the report to determine next steps as all confirmation soil samples collected were compliant with the Closure Criteria and only waste-containing soil existed immediately adjacent to active wellheads on pad. Following the discussion, XTO proceeded with additional confirmation soil sampling in the area around the wellheads to confirm only waste-containing soil remained in place.

CONFIRMATION SOIL SAMPLING ACTIVITIES

On February 16, 2024, Ensolum personnel returned to the Site to collect additional confirmation samples around the wellheads. Ensolum personnel collected 5-point composite soil samples representing no more than 200 square feet from the release extent. The 5-point composite soil samples were collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing. Composite soil samples CS01 through CS07 were collected at a depth of 0.5 feet bgs in the proximity of sidewall samples SW11 through SW13 to confirm the absence of impacted soil. The confirmation soil samples were field screened for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride utilizing Hach® chloride QuanTab® test strips. The confirmation soil sample locations are depicted on Figure 1. Photographic documentation was completed during the Site visit and is presented on a Photographic Log included in Appendix B.

The confirmation soil samples were placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice. The soil samples were transported under strict chain-of-custody procedures to Cardinal Laboratories (Cardinal) in Hobbs, New Mexico, for analysis of the following constituents of concern (COCs): BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH-GRO, TPH-DRO, and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following Standards Method SM4500.

As previously reported, the excavation area measured approximately 24,750 square feet. All impacted soil was transported and properly disposed of at the R360 Disposal Facility in Hobbs, New Mexico. A total of 3,300 cubic yards of impacted soil were removed from the Site. The excavation has been backfilled with material purchased locally and the Site has been recontoured to match pre-existing Site conditions. The release remained on the active facility pad. As such, the release area is not expected to be reclaimed until the facility is abandoned or major facility reconstruction.

XTO Energy, Inc Closure Request Addendum Shanghai Rooster 15-3 Fed 105H

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for confirmation soil samples CS01 through CS07 indicated all COC concentrations were compliant with the Closure Criteria. The laboratory analytical results are summarized on Table 1 and the complete laboratory analytical reports are included in Appendix C.

CLOSURE REQUEST

Additional soil sampling activities were conducted at the Site to confirm the presence or absence of impacted soil left in place immediately adjacent to the active wellheads. Laboratory analytical results for all soil samples collected from the final excavation extent and wellhead area, indicated all COC concentrations were compliant with the Site Closure Criteria. An estimated 400 cubic yards of waste-containing soil still exists on pad immediately adjacent to the active wellheads and associated production equipment and surface piping. The waste-containing soil will be removed at the time of pad abandonment or major facility reconstruction, whichever occurs first. The excavation has been backfilled with material purchased locally and the Site was recontoured to match pre-existing site conditions.

Excavation of impacted soil has mitigated impacts at this Site. Depth to groundwater is confirmed to be greater than 100 feet bgs and no other sensitive receptors were identified near the release extent. XTO believes these remedial actions are protective of human health, the environment, and groundwater. As such, XTO respectfully requests closure for Incident Number NAPP2400450611.

If you have any questions or comments, please contact Ms. Tacoma Morrissey at (337) 257-8307 or tmorrissey@ensolum.com.

Sincerely, **Ensolum, LLC**

Sherele Brooks Staff Scientist

Tacoma Morrissey Associate Principal

Moursey

cc: Colton Brown, XTO

Kaylan Dirkx, XTO

BLM

Appendices:

Figure 1 Excavation Soil Sample Locations
Table 1 Soil Sample Analytical Results

Appendix A December 20, 2024 Closure Request

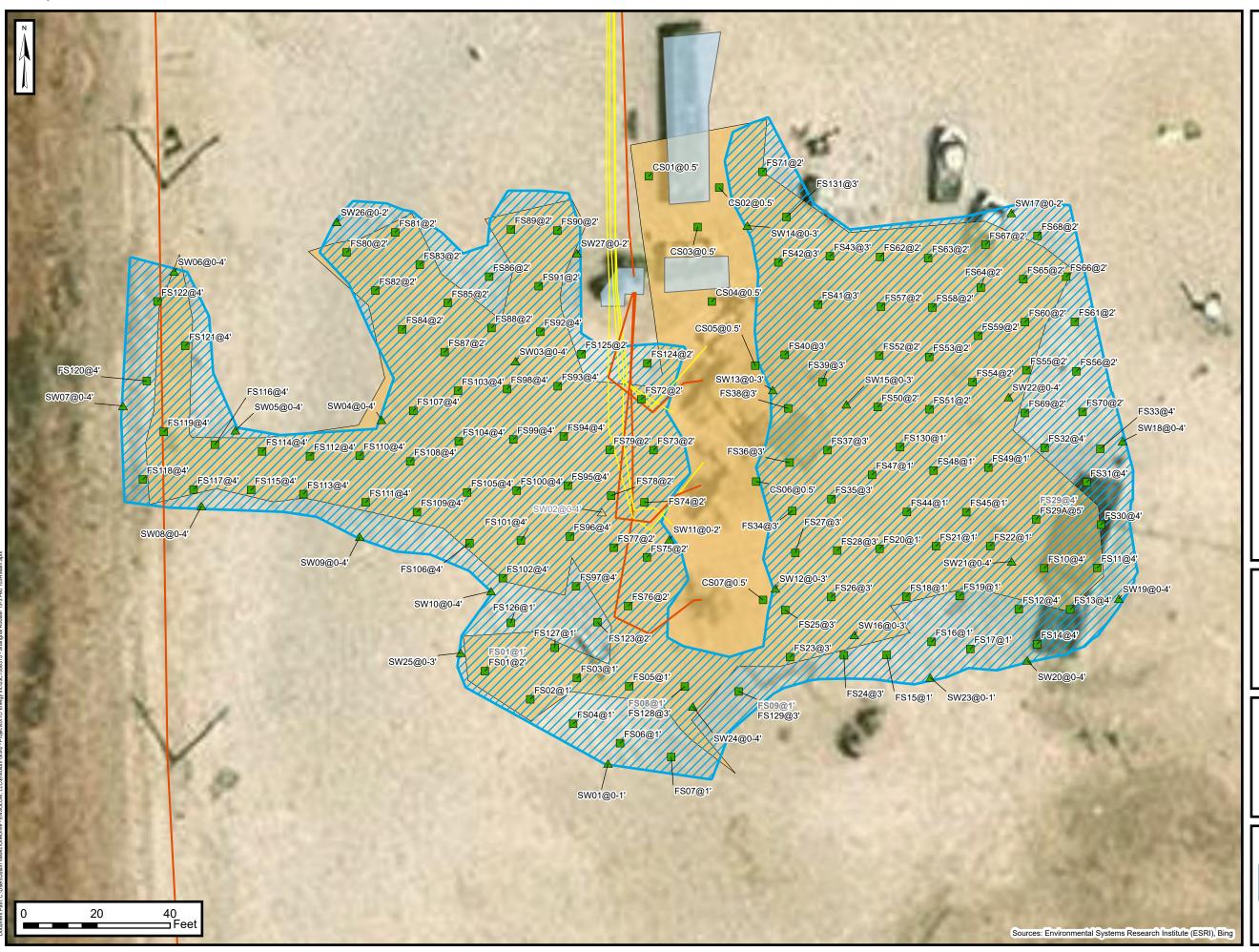
Appendix B Photographic Log

Appendix C Laboratory Analytical Reports & Chain-of-Custody Documentation



FIGURES

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Legend Excavation Floor Sample in Compliance with Closure Criteria Excavation Sidewall Sample in Compliance with Closure Criteria Excavation Sidewall - Removed Electric Utility Line Oil and Gas Utility Line Production Equipment Excavation Extent Release Extent Sample ID @ Depth Below Ground Surface. Samples in bold indicate sample exceeded applicable Grey text indicate soil sample was removed during excavation activities.

Excavation Soil Sample Locations

XTO Energy Inc.
Shanghai Rooster 15-3 Fed 105H
Incident Number: nAPP2400450611
Unit O, Section 15, T 25S, R 29E
Eddy County, New Mexico

FIGURE





TABLES



TABLE 1 **SOIL SAMPLE ANALYTICAL RESULTS** Shanghai Rooster 15-3 Fed 105H **XTO Energy, Inc Eddy County, New Mexico**

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)		10	50	NE	NE	NE	1,000	2,500	20,000	
				Confi	rmation Soil Sa	amples				
CS01	02/10/2025	0.5	<0.050	<0.300	<10.0	550	171	550	721	7,200
CS02	02/10/2025	0.5	<0.050	<0.300	<10.0	550	147	550	697	8,720
CS03	02/10/2025	0.5	<0.050	<0.300	<10.0	560	156	560	716	9,600
CS04	02/10/2025	0.5	<0.050	<0.300	<10.0	454	133	454	587	8,660
CS05	02/10/2025	0.5	<0.050	<0.300	<10.0	448	116	448	564	8,530
CS06	02/10/2025	0.5	<0.050	<0.300	<10.0	489	136	489	625	8,800
CS07	02/10/2025	0.5	<0.050	<0.300	<10.0	449	112	449	561	11,200

Notes:

bgs: below ground surface mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

Concentrations in **bold** exceed the NMOCD Table I Closure Criteria or reclamation

requirement where applicable.

GRO: Gasoline Range Organics

DRO: Diesel Range Organics ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

NMAC: New Mexico Administrative Code

Grey text indicates soil sample removed during excavation activities

1 of 1 Ensolum



APPENDIX A

December 20, 2024 Closure Request



December 18, 2024

New Mexico Oil Conservation Division 1220 South St. Francis Drive Santa Fe, New Mexico 87505

Re: Closure Request

Shanghai Rooster 15-3 Fed 105H Incident Number NAPP2400450611 Eddy County, New Mexico

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of XTO Energy, Inc. (XTO), has prepared this *Closure Request* to document excavation and soil sampling activities performed at the Shanghai Rooster 15-3 Fed 105H (Site). The purpose of excavation and soil sampling activities was to address impacted and waste-containing soil identified following a release of water-based drilling mud at the Site. XTO is submitting this *Closure Request*, describing excavation activities that have occurred and requesting closure for Incident Number nAPP2400450611.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit O, Section 15, Township 25 South, Range 29 East, in Eddy County, New Mexico (32.12367°, -103.97186°) and is associated with oil and gas exploration and production operations on Federal Land managed by the Bureau of Land Management (BLM).

On December 23, 2023, equipment failure on the well resulted in the release of 87 barrels (bbls) of water-based drilling mud onto the surface of the well pad. A vacuum truck was dispatched to the Site to recover free standing fluids, and approximately 80 bbls of released fluids were recovered. XTO reported the release to the New Mexico Oil Conservation Division (NMOCD) via email and submitted an Initial C-141 Application (C-141) on January 4, 2024. The release was assigned Incident Number nAPP2400450611.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

The Site was characterized to assess the applicability of Table I Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29 (19.15.29) of the New Mexico Administrative Code (NMAC). Results from the characterization desktop review are presented below.

Depth to groundwater at the Site is greater than 100 feet below ground surface (bgs) based on a recent livestock watering well. The closest permitted groundwater well with recent depth to groundwater data is USGS well 320739103584201, located approximately 0.44 miles northwest of the Site. The most recent recorded depth to groundwater was reported as 140.9 feet bgs on January 29, 1998. Due to the age of the depth to groundwater data, Ensolum conducted a field investigation of the well. On October

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XTO Energy, Inc Closure Request Shanghai Rooster 15-3 Fed 105H

9, 2024, the well was gauged with an oil/water interface probe to determine the current depth to groundwater. The USGS well had a depth to groundwater of 141.98 feet bgs and a total depth of 192 feet bgs. All wells used to determine depth to groundwater are depicted on Figure 1. The referenced well record and gauging form is included in Appendix A.

The closest continuously flowing or significant watercourse to the Site is a seasonal dry wash, located approximately 1,778 feet east of the Site. The Site is greater than 200 feet from any lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (low potential karst designation area). Potential Site receptors are identified on Figure 1.

Based on the results of the Site Characterization, the following NMOCD Table I Closure Criteria (Closure Criteria) apply:

- Benzene: 10 milligrams per kilogram (mg/kg)
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg
- Total petroleum hydrocarbons (TPH)-gasoline range organics (GRO) and TPH diesel range organics (DRO): 1,000 mg/kg
- TPH: 2,500 mg/kg
- Chloride: 20,000 mg/kg

SITE ASSESSMENT AND SAMPLING ACTIVITIES

On May 15, 2024, Ensolum personnel visited the Site to evaluate the release extent based on information provided on the C-141 and visual observations. Delineation soil samples (SS01 through SS24) were collected within and around the release extent from a depth of 0.5 feet bgs to assess the lateral exent of the release. The delineation soil samples were field screened for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride utilizing Hach® chloride QuanTab® test strips. The release extent and delineation soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figure 2. Photographic documentation was completed during the site visit and a photographic log is included in Appendix B.

The delineation soil samples were placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice. The soil samples were transported under strict chain-of-custody procedures to Cardinal Laboratories (Cardinal) in Hobbs, New Mexico, for analysis of the following contaminants of concern (COC): BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH- GRO, TPH- DRO, and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following EPA Method SM4500.

Laboratory analytical results for delineation soil sample SS05 indicated TPH-GRO/TPH-DRO and TPH concentrations exceeded the Closure Criteria. Delineation soil samples SS01 through SS07, SS10, SS12 through SS21, and SS23 indicated that TPH-GRO/TPH-DRO, TPH, and/or chloride concentrations exceeded the Closure Criteria and/or reclamation requirement. Laboratory analytical results for delineation soil samples SS08, SS09, SS11, SS22 and SS24 indicated all COC concentrations were compliant with the Closure Criteria and reclamation requirement. Laboratory analytical results are summarized in Table 1 and the complete laboratory analytical reports are included in Appendix C. Based on the laboratory analytical results, excavation of waste-containing and impacted soil was warranted.



XTO Energy, Inc Closure Request Shanghai Rooster 15-3 Fed 105H

Following delineation activities, XTO drilling, hydraulic fracturing, and flowback operations continued onsite. In order to maintain the safety of operations and personnel, additional remediation activities were prohibited. Continual updates from XTO's operations team were obtained so excavation could begin as soon as the Site was accessible.

EXCAVATION AND SOIL SAMPLING ACTIVITIES

Beginning on October 16, 2024, through October 29, 2024, and December 18, 2024, Ensolum personnel returned to the Site to excavate impacted and waste-containing soil. Excavation activities were performed using heavy equipment. To direct excavation activities, soil was screened for VOCs and chloride. The excavation was completed to a depth of 4 feet bgs. Photographic documentation of the excavation activities is included in Appendix B.

Once field screening indicated impacted and waste-containing soil was adequately removed, 5-point composite soil samples were collected every 200 square feet from the floor and sidewalls of the excavation extent. The 5-point composite soil samples were collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing. Confirmation soil samples FS01 through FS131 were collected from the floor of the excavation at depths ranging from 1-foot bgs to 4 feet bgs. Confirmation soil samples SW01 through SW27 were collected from the sidewalls of the excavation at depths ranging from the ground surface to 4 feet bgs. Initial laboratory analytical results for excavation floor samples FS01, FS08, FS09, and FS29 exceeded the reclamation requirement for chloride concentrations. These sample locations were excavated further. The confirmation soil sample locations were mapped utilizing a handheld GPS unit and are depicted on Figure 3.

The final excavation extent measured approximately 24,750 square feet. A total of approximately 3,300 cubic yards of waste-containing soil were removed during the excavation activities. The waste-containing soil was transported and disposed of at the R360 Landfill Disposal Facility in Hobbs, New Mexico. The final excavation was fenced off pending backfill activities.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for all final excavation floor and sidewall samples indicated all COC concentrations were compliant with the Closure Criteria. The laboratory analytical results are summarized in Table 1 and the complete laboratory analytical reports are included in Appendix C.

CLOSURE REQUEST

Excavation activities were conducted at the Site to address the December 2023 release of water-based drilling mud. Laboratory analytical results for all final excavation soil samples indicated all COC concentrations were compliant with the Site Closure Criteria. An estimated 400 cubic yards of waste containing soil still exists on pad immediately adjacent to active production equipment and surface piping. The waste-containing soil will be removed at the time of pad abandonment or major facility reconstruction, whichever occurs first. The excavation has been backfilled with material purchased locally and the Site was recontoured to match pre-existing site conditions.

Excavation of soil has removed impacted and waste-containing soil from the area. XTO believes these remedial actions are protective of human health, the environment, and groundwater. As such, XTO respectfully requests closure for Incident Number NAPP2400450611.

XTO Energy, Inc Closure Request Shanghai Rooster 15-3 Fed 105H

If you have any questions or comments, please contact Ms. Tacoma Morrissey at (337) 257-8307 or tmorrissey@ensolum.com.

Sincerely, **Ensolum, LLC**

Sherele Brooks Staff Scientist

Tacoma Morrissey Associate Principal

Mouissey

cc: Colton Brown, XTO

Kaylan Dirkx, XTO

BLM

Appendices:

Figure 1 Site Receptor Map

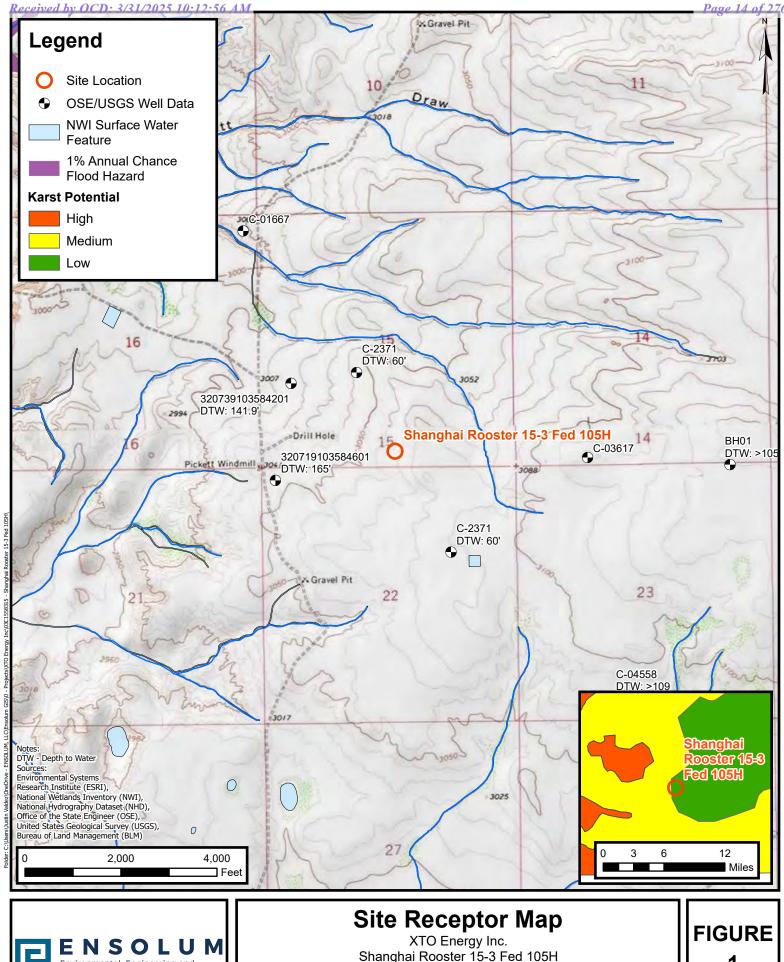
Figure 2 Delineation Soil Sample Locations
Figure 3 Excavation Soil Sample Locations
Table 1 Soil Sample Analytical Results
Appendix A Referenced Well Records

Appendix B Photographic Log

Appendix C Laboratory Analytical Reports & Chain-of-Custody Documentation



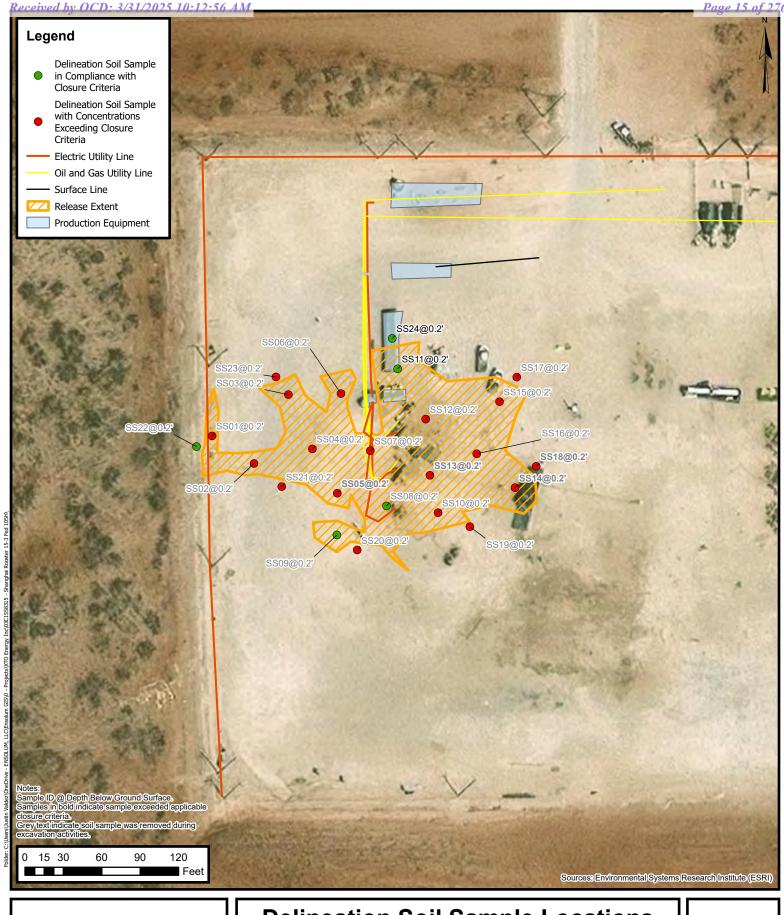
FIGURES





Shanghai Rooster 15-3 Fed 105H Incident Number: nAPP2400450611 Unit O, Section 15, T 25S, R 29E Eddy County, New Mexico

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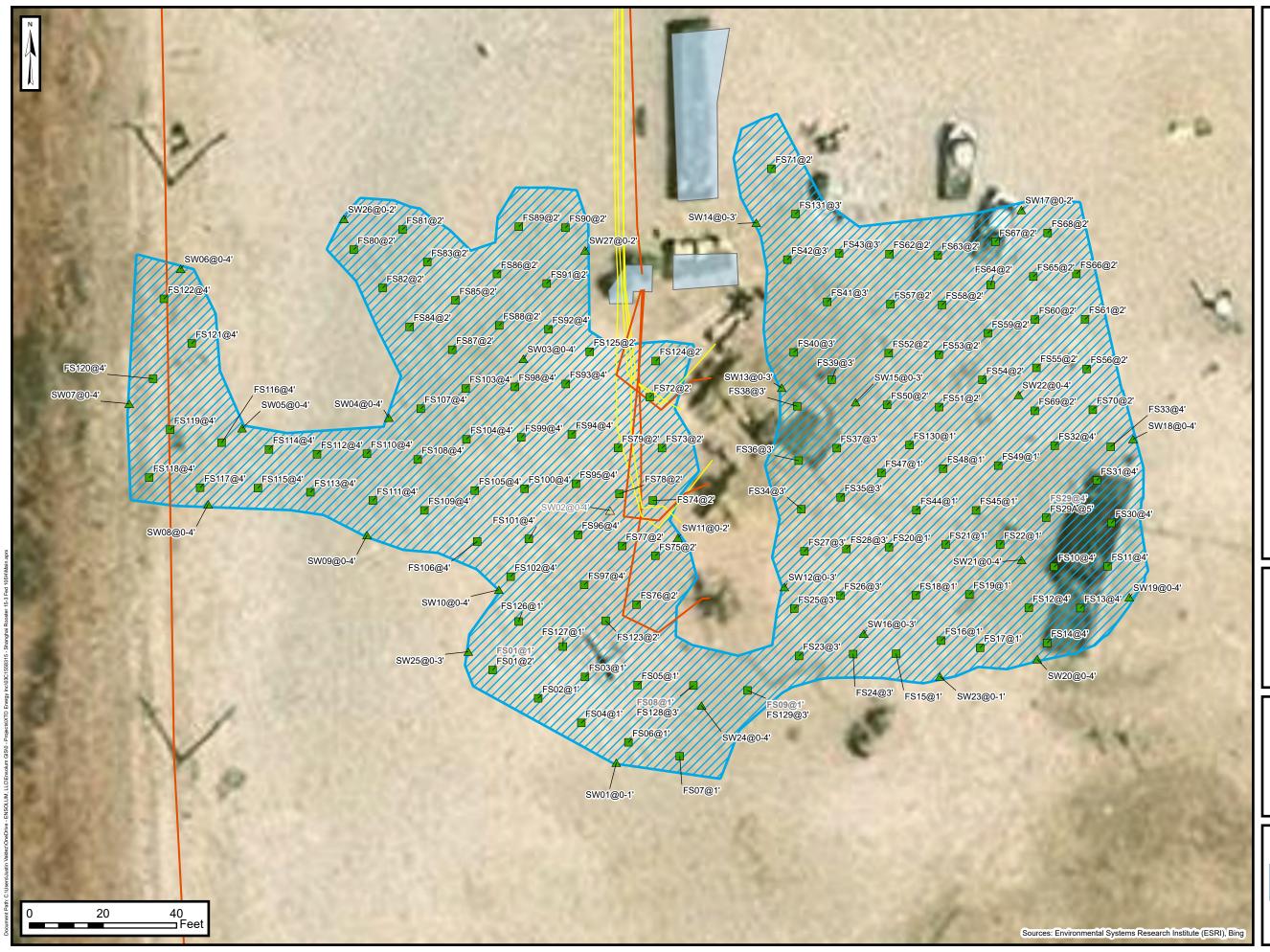


Delineation Soil Sample Locations

XTO Energy Inc.
Shanghai Rooster 15-3 Fed 105H
Incident Number: nAPP2400450611
Unit O, Section 15, T 25S, R 29E
Eddy County, New Mexico

FIGURE 2

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Legend

- Excavation Floor Sample in Compliance with Closure Criteria
- Excavation Sidewall Sample in

 Compliance with Closure
 Criteria
- Electric Utility Line
- Oil and Gas Utility Line
- Production Equipment
- ExcavationExtent_Buffer

Sample ID @ Depth Below Ground Surface.
Samples in bold indicate sample exceeded applicable closure criteria.
Grey text indicate soil sample was removed during excavation activities.

Excavation Dig Map

XTO Energy Inc.
Shanghai Rooster 15-3 Fed 105H
Incident Number: nAPP2400450611
Unit O, Section 15, T 25S, R 29E
Eddy County, New Mexico

FIGURE

3

Project Number: 03C1558315





TABLES

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TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS Shanghai Rooster 15-3 Fed 105H XTO Energy, Inc Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I C	Closure Criteria (NMAC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	20,000
				Deli	neation Soil Sar	nples				
SS01	05/15/2024	0.2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,280
SS02	05/15/2024	0.2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,240
SS03	05/15/2024	0.2	<0.50	<0.300	<10.0	152	<10.0	152	152	3,120
SS04	05/15/2024	0.2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	4,800
SS05	05/15/2024	0.2	<0.050	4.31	430	19,400	<100	19,830	19,830	4,000
SS06	05/15/2024	0.2	<0.50	<0.300	<10.0	48.6	<10.0	48.6	48.6	3,440
\$\$07	05/15/2024	0.2	<0.050	<0.300	<10.0	246	48.3	246	294	8,600
SS08	05/15/2024	0.2	<0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
SS09	05/15/2024	0.2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	336
SS10	05/15/2024	0.2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,180
SS11	05/15/2024	0.2	<0.50	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,140
SS12	05/15/2024	0.2	<0.50	<0.300	<10.0	34.1	10.8	34.1	44.9	4,880
SS13	05/15/2024	0.2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	10,600
SS14	05/15/2024	0.2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	14,200
SS15	05/15/2024	0.2	<0.050	<0.300	<10.0	14.6	<10.0	14.6	14.6	5,760
SS16	05/15/2024	0.2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,440
SS17	05/15/2024	0.2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,360
SS18	05/15/2024	0.2	<0.050	<0.300	<10.0	191	92.8	191	284	10,800
SS19	05/15/2024	0.2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	4,720
SS20	05/15/2024	0.2	<0.50	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,180
SS21	05/15/2024	0.2	<0.050	<0.300	<10.0	861	<10.0	861	861	704
SS22	05/15/2024	0.2	<0.050	<0.300	<10.0	67.4	<10.0	67.4	67.4	880
SS23	05/15/2024	0.2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,040
SS24	05/15/2024	0.2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
				Confirm	ation Floor Soil	Samples				
FS01	10/17/2024	4	< 0.050	1.09	138	6,340	<10.0	6,478	6,478	384
FS01	10/25/2024	2	< 0.050	<0.300	<10.0	102	<10.0	102	102	48.0
FS02	10/17/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
FS03	10/17/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	464
FS04	10/17/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	352
FS05	10/17/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
FS06	10/17/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
FS07	10/17/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
FS08	10/17/2024	1	<0.050	0.909	92.6	4,830	<10.0	4,923	4,923	432
FS128	10/30/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS09	10/17/2024	1	<0.050	0.773	78.4	4,670	<10.0	4,748	4,748	416
FS129	10/30/2024	3	< 0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS10	10/18/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,800

Ensolum 1 of 5

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TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS Shanghai Rooster 15-3 Fed 105H XTO Energy, Inc Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I C	Closure Criteria (NMAC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	20,000
FS11	10/18/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,920
FS12	10/18/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,630
FS13	10/18/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
FS14	10/18/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	800
FS15	10/21/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	320
FS16	10/21/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
FS17	10/21/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
FS18	10/21/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
FS19	10/21/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	880
FS20	10/21/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
FS21	10/21/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
FS22	10/21/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	912
FS23	10/21/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS24	10/21/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
FS25	10/21/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
FS26	10/21/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
FS27	10/21/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
FS28	10/21/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
FS29	10/21/2024	4	<0.050 <0.050	< 0.300	<10.0 <10.0	1,200	<10.0 <10.0	1,200	1,200	<u>544</u>
FS29A	12/18/2024	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS30	10/21/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	304
FS31	10/21/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	880
FS32	10/22/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS33	10/22/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS34	10/22/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
FS35	10/22/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
FS36	10/22/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
FS37	10/22/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
FS38	10/22/2024	3			<10.0			<10.0		80.0
FS39	10/22/2024	3	<0.050	<0.300 <0.300		<10.0	<10.0	<10.0	<10.0	80.0
FS40	_	3	<0.050		<10.0	<10.0	<10.0	<10.0	<10.0	272
	10/22/2024		<0.050	<0.300	<10.0	<10.0	<10.0		<10.0	
FS41	10/22/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS42	10/22/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
FS43	10/22/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS44	10/23/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS45	10/23/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
FS46	10/23/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
FS47	10/23/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
FS48	10/23/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
FS49	10/23/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
FS50	10/23/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
FS51	10/23/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
FS52	10/23/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
FS53	10/23/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS54	10/23/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
FS55	10/23/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
FS56	10/23/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
FS57	10/23/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
FS58	10/23/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
FS59	10/23/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0

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TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS Shanghai Rooster 15-3 Fed 105H XTO Energy, Inc Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I C	losure Criteria (NMAC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	20,000
FS60	10/23/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
FS61	10/23/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
FS62	10/23/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
FS63	10/23/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
FS64	10/23/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
FS65	10/25/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS66	10/25/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS67	10/25/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS68	10/25/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS69	10/25/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS70	10/25/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS71	10/25/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
FS72	10/25/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS73	10/25/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS74	10/25/2024	2	<0.050	<0.300	<10.0	64.1	<10.0	64.1	64.1	1,020
FS75	10/25/2024	2	<0.050	<0.300	<10.0	66.2	<10.0	66.2	66.2	1,380
FS76	10/25/2024	2	<0.050	<0.300	<10.0	43.7	<10.0	43.7	43.7	1,300
FS77	10/25/2024	2	<0.050	<0.300	<10.0	63.4	<10.0	63.4	63.4	1,010
FS78	10/25/2024	2	<0.050	<0.300	<10.0	67.0	<10.0	67.0	67.0	992
FS79	10/25/2024	2	<0.050	<0.300	<10.0	26.6	<10.0	26.6	26.6	1,150
FS80	10/28/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS81	10/28/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
FS82	10/28/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS83	10/28/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
FS84	10/28/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS85	10/28/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
FS86	10/28/2024		<0.050	<0.300		<10.0	<10.0	<10.0	<10.0	64.0
FS87	10/28/2024	2	<0.050	<0.300	<10.0 <10.0	<10.0	<10.0	<10.0	<10.0	384
FS88						<10.0	1			
	10/28/2024	2	<0.050	<0.300	<10.0		<10.0	<10.0	<10.0	336
FS89	10/28/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS90	10/28/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
FS91	10/28/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
FS92	10/28/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS93	10/28/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS94	10/28/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS95	10/28/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
FS96	10/28/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
FS97	10/28/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
FS98	10/28/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
FS99	10/28/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS100	10/29/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS101	10/29/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS102	10/29/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS103	10/29/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS104	10/29/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS105	10/29/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS106	10/29/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS107	10/29/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS108	10/29/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS109	10/29/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0

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TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS Shanghai Rooster 15-3 Fed 105H XTO Energy, Inc Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I C	losure Criteria (NMAC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	20,000
FS110	10/29/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS111	10/29/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS112	10/29/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS113	10/29/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS114	10/29/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
FS115	10/29/2024	4	< 0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS116	10/29/2024	4	< 0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS117	10/29/2024	4	< 0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS118	10/29/2024	4	< 0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS119	10/29/2024	4	< 0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS120	10/29/2024	4	< 0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS121	10/29/2024	4	< 0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS122	10/29/2024	4	< 0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS123	10/30/2024	2	< 0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
FS124	10/30/2024	2	< 0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	256
FS125	10/30/2024	2	< 0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
FS126	10/30/2024	1	< 0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
FS127	10/30/2024	1	< 0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS130	10/30/2024	1	< 0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
FS131	10/30/2024	3	< 0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
				Confirma	tion Sidewall So	oil Samples				
SW01	10/17/2024	0-1	< 0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
SW02	10/29/2024	0-4	<0.050	<0.300	<10.0	147	<10.0	147	147	1,120
SW03	10/29/2024	0-4	< 0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
SW04	10/29/2024	0-4	< 0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	352
SW05	10/29/2024	0-4	< 0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
SW06	10/29/2024	0-4	< 0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
SW07	10/29/2024	0-4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
SW08	10/29/2024	0-4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
SW09	10/29/2024	0-4	< 0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
SW10	10/29/2024	0-4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
SW11	10/30/2024	0-2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,300
SW12	10/30/2024	0-3	<0.050	<0.300	<10.0	733	382	733	1,115	1,500
SW13	10/30/2024	0-3	<0.050	<0.300	<10.0	75.7	25.2	75.7	101	1,170
SW14	10/30/2024	0-3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
SW15	10/30/2024	0-3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
SW16	10/30/2024	0-3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
SW17	10/30/2024	0-2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
SW18	10/30/2024	0-4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
SW19	10/30/2024	0-4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
SW20	10/30/2024	0-4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0

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TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS Shanghai Rooster 15-3 Fed 105H XTO Energy, Inc Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Cl	losure Criteria (NMAC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	20,000
SW21	10/30/2024	0-4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
SW22	10/30/2024	0-4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
SW23	10/30/2024	0-1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
SW24	10/30/2024	0-4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
SW25	10/30/2024	0-3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
SW26	10/30/2024	0-2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
SW27	10/30/2024	0-2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0

Notes:

bgs: below ground surface mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes Concentrations in **bold** exceed the NMOCD Table I Closure Criteria or reclamation requirement where applicable. GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

NMAC: New Mexico Administrative Code

Grey text indicates soil sample removed during excavation activities

Ensolum 5 of 5



APPENDIX A

Referenced Well Records



USGS Home Contact USGS Search USGS

National Water Information System: Web Interface

USGS Water Resources

Data Category:

Geographic Area:

United States

GO

GO

Click to hideNews Bulletins

• Explore the NEW <u>USGS National Water Dashboard</u> interactive map to access realtime water data from over 13,500 stations nationwide.

Groundwater levels for the Nation

Important: <u>Next Generation Monitoring Location Page</u>

Search Results -- 1 sites found

Agency code = usgs **site_no list =** • 320739103584201

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

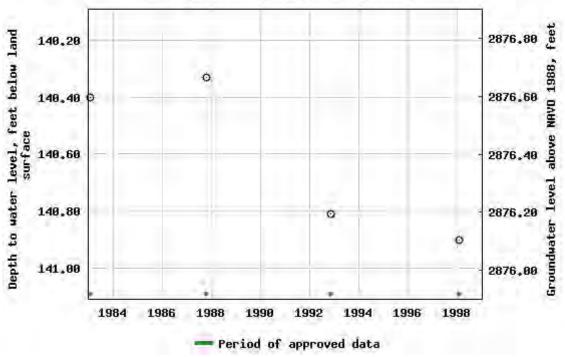
USGS 320739103584201 25S,29E,15,31134

Available data for this site	Groundwater:	Field measurements	~	GO
Eddy County, New Mexico				
Hydrologic Unit Code 1306	0011			
Latitude 32°07'39", Longit	tude 103°58	8'42" NAD27		
Land-surface elevation 3,0	17 feet abo	ve NAVD88		
The depth of the well is 19	2 feet belov	w land surface.		
This well is completed in the	ne Other aq	uifers (N9999OT	HER) national aquifer.
This well is completed in the	າe Rustler F	ormation (312RS	SLR)	local aquifer.

Output formats

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

USGS 320739103584201 255,29E,15,31134



Breaks in the plot represent a gap of at least one year between field measurements. <u>Download a presentation-quality graph</u>

<u>Questions or Comments</u>
<u>Help</u>
<u>Data Tips</u>
<u>Explanation of terms</u>
<u>Subscribe for system changes</u>

Accessibility

FOIA

Privacy

Policies and Notices

U.S. Department of the Interior | U.S. Geological Survey

Title: Groundwater for USA: Water Levels

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

Page Contact Information: <u>USGS Water Data Support Team</u>

Page Last Modified: 2024-06-20 16:15:19 EDT

0.53 0.47 nadww01





WATER LEVEL AND PRODUCT THICKNESS FORM

Project No.: 0361558315 Page of 1

Date: 10/4/24

By: David Mc Linuis

WELL	TOC ELEVATION	TIME	PRODUCT LEVEL (feet below top of casing)	WATER LEVEL (feet below top of casing)	PRODUCT THICKNESS	CORRECTED ELEVATION	COMMENTS
12073910		143C	NA	141.98	NA		
158 4201							
					1		



APPENDIX B

Photographic Log



Photographic Log

XTO Energy, Inc.
Shanghai Rooster 15-3 Fed 105H
Incident Number: nAPP2400450611





Photograph: 1

Description: Release extent

View: East

Date: 5/15/2024

Photograph: 2

Description: Excavation activities

View: West





Date: 10/28/2024

Date: 12/18/2024

Photograph: 3

Date: 10/28/2024

Description: Excavation activities

View: North

Photograph: 4

Description: Excavation activities

View: Southeast



APPENDIX C

Laboratory Analytical Reports & Chain of Custody Documentation



May 22, 2024

DAVID MCINNIS
ENSOLUM
3122 NATIONAL PARKS HWY
CARLSBAD, NM 88220

RE: SHANGHAI ROOSTER 15-3 FED 105H

Enclosed are the results of analyses for samples received by the laboratory on 05/16/24 12:42.

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/ga/lab accred certif.html.

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

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

Celey D. Keine

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

ENSOLUM DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

 Received:
 05/16/2024
 Sampling Date:
 05/15/2024

 Reported:
 05/22/2024
 Sampling Type:
 Soil

Reported: 05/22/2024 Sampling Type: Soil
Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact

Project Number: 03C1558315 Sample Received By: Tamara Oldaker

Project Location: XTO (32.12367-103.97186)

Sample ID: SS 08 (H242706-01)

BTEX 8021B	mg/kg		Analyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/17/2024	ND	2.04	102	2.00	1.50	
Toluene*	<0.050	0.050	05/17/2024	ND	1.97	98.4	2.00	1.57	
Ethylbenzene*	<0.050	0.050	05/17/2024	ND	1.99	99.7	2.00	1.92	
Total Xylenes*	<0.150	0.150	05/17/2024	ND	5.73	95.5	6.00	2.60	
Total BTEX	<0.300	0.300	05/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.3	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	05/20/2024	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	05/16/2024	ND	185	92.7	200	0.864	
DRO >C10-C28*	<10.0	10.0	05/16/2024	ND	200	99.8	200	1.01	
EXT DRO >C28-C36	<10.0	10.0	05/16/2024	ND					
Surrogate: 1-Chlorooctane	87.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.2	% 49.1-14	8						

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Celey & Keene



Analytical Results For:

ENSOLUM DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

 Received:
 05/16/2024
 Samp

 Reported:
 05/22/2024
 Samp

Project Name: SHANGHAI ROOSTER 15-3 FED 105H

mg/kg

Project Number: 03C1558315

Project Location: XTO (32.12367-103.97186)

Sampling Date: 05/15/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SS 09 (H242706-02)

BTEX 8021B

DILX OUZID	ıııg,	, kg	Allulyzo	a by. 1-15						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/17/2024	ND	2.04	102	2.00	1.50		
Toluene*	<0.050	0.050	05/17/2024	ND	1.97	98.4	2.00	1.57		
Ethylbenzene*	<0.050	0.050	05/17/2024	ND	1.99	99.7	2.00	1.92		
Total Xylenes*	<0.150	0.150	05/17/2024	ND	5.73	95.5	6.00	2.60		
Total BTEX	<0.300	0.300	05/17/2024	ND						
Surrogate: 4-Bromofluorobenzene (PID	92.6	% 71.5-13	4							
Chloride, SM4500CI-B	mg,	/kg	Analyze	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	05/20/2024	ND	448	112	400	3.64		
TPH 8015M	mg,	/kg	Analyze	ed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	05/17/2024	ND	177	88.7	200	2.79		
DRO >C10-C28*	<10.0	10.0	05/17/2024	ND	177	88.6	200	0.860		
EXT DRO >C28-C36	<10.0	10.0	05/17/2024	ND						
Surrogate: 1-Chlorooctane	96.2	% 48.2-13	4							
Surrogate: 1-Chlorooctadecane	95.8	% 49.1-14	8							

Analyzed By: MS

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Celey D. Keene



Analytical Results For:

ENSOLUM DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 05/16/2024 Reported: 05/22/2024

05/22/2024 SHANGHAI ROOSTER 15-3 FED 105H

Project Name: SHANGHAI R Project Number: 03C1558315

Project Location: XTO (32.12367-103.97186)

Sampling Date: 05/15/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SS 10 (H242706-03)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/17/2024	ND	2.04	102	2.00	1.50	
Toluene*	<0.050	0.050	05/17/2024	ND	1.97	98.4	2.00	1.57	
Ethylbenzene*	<0.050	0.050	05/17/2024	ND	1.99	99.7	2.00	1.92	
Total Xylenes*	<0.150	0.150	05/17/2024	ND	5.73	95.5	6.00	2.60	
Total BTEX	<0.300	0.300	05/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.0	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1180	16.0	05/20/2024	ND	448	112	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2024	ND	177	88.7	200	2.79	
DRO >C10-C28*	<10.0	10.0	05/17/2024	ND	177	88.6	200	0.860	
EXT DRO >C28-C36	<10.0	10.0	05/17/2024	ND					
Surrogate: 1-Chlorooctane	107	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	106	% 49.1-14	8						

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Celey D. Keene



05/15/2024

Analytical Results For:

ENSOLUM DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 05/16/2024 Sampling Date:

Reported: 05/22/2024 Sampling Type: Soil

Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact
Project Number: 03C1558315 Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: XTO (32.12367-103.97186)

mg/kg

Sample ID: SS 02 (H242706-04)

BTEX 8021B

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/17/2024	ND	2.04	102	2.00	1.50	
Toluene*	<0.050	0.050	05/17/2024	ND	1.97	98.4	2.00	1.57	
Ethylbenzene*	<0.050	0.050	05/17/2024	ND	1.99	99.7	2.00	1.92	
Total Xylenes*	<0.150	0.150	05/17/2024	ND	5.73	95.5	6.00	2.60	
Total BTEX	<0.300	0.300	05/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.3	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3240	16.0	05/20/2024	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	05/17/2024	ND	177	88.7	200	2.79	
DRO >C10-C28*	<10.0	10.0	05/17/2024	ND	177	88.6	200	0.860	
EXT DRO >C28-C36	<10.0	10.0	05/17/2024	ND					
Surrogate: 1-Chlorooctane	96.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.8	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

ENSOLUM DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 05/16/2024 Reported: 05/22/2024

05/22/2024 SHANGHAI ROOSTER 15-3 FED 105H

Project Name: SHANGHAI R Project Number: 03C1558315

Project Location: XTO (32.12367-103.97186)

ma/ka

Sampling Date: 05/15/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SS 04 (H242706-05)

RTFY 8021R

BIEX 8021B	тд/кд		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/17/2024	ND	2.04	102	2.00	1.50	
Toluene*	<0.050	0.050	05/17/2024	ND	1.97	98.4	2.00	1.57	
Ethylbenzene*	<0.050	0.050	05/17/2024	ND	1.99	99.7	2.00	1.92	
Total Xylenes*	<0.150	0.150	05/17/2024	ND	5.73	95.5	6.00	2.60	
Total BTEX	<0.300	0.300	05/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	92.7	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	g/kg Analyzed By: HM							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4800	16.0	05/20/2024	ND	448	112	400	3.64	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2024	ND	177	88.7	200	2.79	
DRO >C10-C28*	<10.0	10.0	05/17/2024	ND	177	88.6	200	0.860	
EXT DRO >C28-C36	<10.0	10.0	05/17/2024	ND					
Surrogate: 1-Chlorooctane	100	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.4	% 49.1-14	8						

Analyzed By: MC

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Celey D. Keine



Analytical Results For:

ENSOLUM DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 05/16/2024 Sampling Date: 05/15/2024

Reported: 05/22/2024 Sampling Type: Soil

Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact
Project Number: 03C1558315 Sample Received By: Tamara Oldaker

Project Location: XTO (32.12367-103.97186)

Sample ID: SS 05 (H242706-06)

BTEX 8021B	mg	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/17/2024	ND	2.04	102	2.00	1.50	
Toluene*	0.087	0.050	05/17/2024	ND	1.97	98.4	2.00	1.57	
Ethylbenzene*	0.793	0.050	05/17/2024	ND	1.99	99.7	2.00	1.92	
Total Xylenes*	3.43	0.150	05/17/2024	ND	5.73	95.5	6.00	2.60	
Total BTEX	4.31	0.300	05/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	155	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4000	16.0	05/20/2024	ND	448	112	400	3.64	
TPH 8015M	mg/kg		Analyzed By: MS						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	430	100	05/20/2024	ND	177	88.7	200	2.79	
DRO >C10-C28*	19400	100	05/20/2024	ND	177	88.6	200	0.860	
EXT DRO >C28-C36	<100	100	05/20/2024	ND					
Surrogate: 1-Chlorooctane	135	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	325	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

ENSOLUM DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 05/16/2024 Sampling Date
Reported: 05/22/2024 Sampling Type

Project Name: SHANGHAI ROOSTER 15-3 FED 105H

Project Number: 03C1558315

Project Location: XTO (32.12367-103.97186)

Sampling Date: 05/15/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SS 07 (H242706-07)

BTEX 8021B	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/17/2024	ND	2.04	102	2.00	1.50	
Toluene*	<0.050	0.050	05/17/2024	ND	1.97	98.4	2.00	1.57	
Ethylbenzene*	< 0.050	0.050	05/17/2024	ND	1.99	99.7	2.00	1.92	
Total Xylenes*	<0.150	0.150	05/17/2024	ND	5.73	95.5	6.00	2.60	
Total BTEX	<0.300	0.300	05/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	93.0	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8600	16.0	05/20/2024	ND	448	112	400	3.64	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2024	ND	177	88.7	200	2.79	
DRO >C10-C28*	246	10.0	05/17/2024	ND	177	88.6	200	0.860	
EXT DRO >C28-C36	48.3	10.0	05/17/2024	ND					
Surrogate: 1-Chlorooctane	93.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101	% 49.1-14	8						

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Celey & Keene

Celey D. Keene, Lab Director/Quality Manager

*=Accredited Analyte



Analytical Results For:

ENSOLUM DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 05/16/2024 Reported: 05/22/2024

SHANGHAI ROOSTER 15-3 FED 105H

Project Number: 03C1558315

Project Location: XTO (32.12367-103.97186) Sampling Date: 05/15/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Sample ID: SS 01 (H242706-08)

Project Name:

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/17/2024	ND	2.04	102	2.00	1.50	
Toluene*	<0.050	0.050	05/17/2024	ND	1.97	98.4	2.00	1.57	
Ethylbenzene*	<0.050	0.050	05/17/2024	ND	1.99	99.7	2.00	1.92	
Total Xylenes*	<0.150	0.150	05/17/2024	ND	5.73	95.5	6.00	2.60	
Total BTEX	<0.300	0.300	05/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	91.7	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2280	16.0	05/20/2024	ND	448	112	400	3.64	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2024	ND	177	88.7	200	2.79	
DRO >C10-C28*	<10.0	10.0	05/17/2024	ND	177	88.6	200	0.860	
EXT DRO >C28-C36	<10.0	10.0	05/17/2024	ND					
Surrogate: 1-Chlorooctane	99.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	100 9	% 49.1-14	8						

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Analytical Results For:

ENSOLUM DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 05/16/2024 Reported: 05/22/2024 Sampling Date: 05/15/2024 Sampling Type: Soil

Project Name: Project Number:

SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact 03C1558315 Sample Received By: Tamara Oldaker

Project Location: XTO (32.12367-103.97186)

Sample ID: SS 03 (H242706-09)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/17/2024	ND	2.04	102	2.00	1.50	
Toluene*	<0.050	0.050	05/17/2024	ND	1.97	98.4	2.00	1.57	
Ethylbenzene*	<0.050	0.050	05/17/2024	ND	1.99	99.7	2.00	1.92	
Total Xylenes*	<0.150	0.150	05/17/2024	ND	5.73	95.5	6.00	2.60	
Total BTEX	<0.300	0.300	05/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	92.4	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3120	16.0	05/20/2024	ND	448	112	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2024	ND	177	88.7	200	2.79	
DRO >C10-C28*	152	10.0	05/17/2024	ND	177	88.6	200	0.860	
EXT DRO >C28-C36	<10.0	10.0	05/17/2024	ND					
Surrogate: 1-Chlorooctane	96.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.7	% 49.1-14	8						

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Analytical Results For:

ENSOLUM DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 05/16/2024 Reported: 05/22/2024

05/22/2024 SHANGHAI ROOSTER 15-3 FED 105H

Project Name: SHANGHAI R Project Number: 03C1558315

Project Location: XTO (32.12367-103.97186)

Sampling Date: 05/15/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SS 06 (H242706-10)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/17/2024	ND	2.04	102	2.00	1.50	
Toluene*	<0.050	0.050	05/17/2024	ND	1.97	98.4	2.00	1.57	
Ethylbenzene*	<0.050	0.050	05/17/2024	ND	1.99	99.7	2.00	1.92	
Total Xylenes*	<0.150	0.150	05/17/2024	ND	5.73	95.5	6.00	2.60	
Total BTEX	<0.300	0.300	05/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	91.6	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3440	16.0	05/20/2024	ND	448	112	400	3.64	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2024	ND	177	88.7	200	2.79	
DRO >C10-C28*	48.6	10.0	05/17/2024	ND	177	88.6	200	0.860	
EXT DRO >C28-C36	<10.0	10.0	05/17/2024	ND					
Surrogate: 1-Chlorooctane	103	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104	% 49.1-14	8						

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Analytical Results For:

ENSOLUM DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 05/16/2024 Reported: 05/22/2024

SHANGHAI ROOSTER 15-3 FED 105H

Project Number: 03C1558315

Project Location: XTO (32.12367-103.97186) Sampling Date: 05/15/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Sample ID: SS 11 0.2 (H242706-11)

Project Name:

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/17/2024	ND	2.04	102	2.00	1.50	
Toluene*	<0.050	0.050	05/17/2024	ND	1.97	98.4	2.00	1.57	
Ethylbenzene*	<0.050	0.050	05/17/2024	ND	1.99	99.7	2.00	1.92	
Total Xylenes*	<0.150	0.150	05/17/2024	ND	5.73	95.5	6.00	2.60	
Total BTEX	<0.300	0.300	05/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	92.6	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1140	16.0	05/20/2024	ND	448	112	400	3.64	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2024	ND	177	88.7	200	2.79	
DRO >C10-C28*	<10.0	10.0	05/17/2024	ND	177	88.6	200	0.860	
EXT DRO >C28-C36	<10.0	10.0	05/17/2024	ND					
Surrogate: 1-Chlorooctane	106 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	106	% 49.1-14	8						

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Analytical Results For:

ENSOLUM DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 05/16/2024 Reported: 05/22/2024

05/22/2024 SHANGHAI ROOSTER 15-3 FED 105H

Project Name: SHANGHAI R Project Number: 03C1558315

Project Location: XTO (32.12367-103.97186)

Sampling Date: 05/15/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SS 12 0.2 (H242706-12)

BTEX 8021B	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/17/2024	ND	2.04	102	2.00	1.50	
Toluene*	<0.050	0.050	05/17/2024	ND	1.97	98.4	2.00	1.57	
Ethylbenzene*	<0.050	0.050	05/17/2024	ND	1.99	99.7	2.00	1.92	
Total Xylenes*	<0.150	0.150	05/17/2024	ND	5.73	95.5	6.00	2.60	
Total BTEX	<0.300	0.300	05/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	92.0	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4880	16.0	05/17/2024	ND	416	104	400	7.41	QM-07
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2024	ND	177	88.7	200	2.79	
DRO >C10-C28*	34.1	10.0	05/17/2024	ND	177	88.6	200	0.860	
EXT DRO >C28-C36	10.8	10.0	05/17/2024	ND					
Surrogate: 1-Chlorooctane	88.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.6	% 49.1-14	8						

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Analytical Results For:

ENSOLUM DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 05/16/2024 Sampling Date: 05/15/2024

Reported: 05/22/2024 Sampling Type: Soil

Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact
Project Number: 03C1558315 Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: XTO (32.12367-103.97186)

mg/kg

Sample ID: SS 13 0.2 (H242706-13)

BTEX 8021B

	9/	9	7	7					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/17/2024	ND	2.04	102	2.00	1.50	
Toluene*	<0.050	0.050	05/17/2024	ND	1.97	98.4	2.00	1.57	
Ethylbenzene*	<0.050	0.050	05/17/2024	ND	1.99	99.7	2.00	1.92	
Total Xylenes*	<0.150	0.150	05/17/2024	ND	5.73	95.5	6.00	2.60	
Total BTEX	<0.300	0.300	05/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	92.2	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	10600	16.0	05/17/2024	ND	416	104	400	7.41	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2024	ND	177	88.7	200	2.79	
DRO >C10-C28*	<10.0	10.0	05/17/2024	ND	177	88.6	200	0.860	
EXT DRO >C28-C36	<10.0	10.0	05/17/2024	ND					
Surrogate: 1-Chlorooctane	98.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105	% 49.1-14	8						

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05/15/2024

Analytical Results For:

ENSOLUM DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 05/16/2024 Sampling Date:

Reported: 05/22/2024 Sampling Type: Soil

Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact
Project Number: 03C1558315 Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: XTO (32.12367-103.97186)

mg/kg

Sample ID: SS 16 0.2 (H242706-14)

BTEX 8021B

	<u> </u>								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/17/2024	ND	2.04	102	2.00	1.50	
Toluene*	<0.050	0.050	05/17/2024	ND	1.97	98.4	2.00	1.57	
Ethylbenzene*	<0.050	0.050	05/17/2024	ND	1.99	99.7	2.00	1.92	
Total Xylenes*	<0.150	0.150	05/17/2024	ND	5.73	95.5	6.00	2.60	
Total BTEX	<0.300	0.300	05/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	92.4	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3440	16.0	05/17/2024	ND	416	104	400	7.41	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2024	ND	177	88.7	200	2.79	
DRO >C10-C28*	<10.0	10.0	05/17/2024	ND	177	88.6	200	0.860	
EXT DRO >C28-C36	<10.0	10.0	05/17/2024	ND					
Surrogate: 1-Chlorooctane	90.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.0	% 49.1-14	8						

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Analytical Results For:

ENSOLUM DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 05/16/2024 Reported: 05/22/2024

SHANGHAI ROOSTER 15-3 FED 105H

Project Number: 03C1558315

Project Location: XTO (32.12367-103.97186)

mg/kg

Sampling Date: 05/15/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SS 14 0.2 (H242706-15)

Project Name:

BTEX 8021B

DIEX OUZID	iiig/	, kg	Allulyzo	u by. 1-15					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/17/2024	ND	2.04	102	2.00	1.50	
Toluene*	<0.050	0.050	05/17/2024	ND	1.97	98.4	2.00	1.57	
Ethylbenzene*	<0.050	0.050	05/17/2024	ND	1.99	99.7	2.00	1.92	
Total Xylenes*	<0.150	0.150	05/17/2024	ND	5.73	95.5	6.00	2.60	
Total BTEX	<0.300	0.300	05/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	92.1	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	14200	16.0	05/17/2024	ND	416	104	400	7.41	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2024	ND	177	88.7	200	2.79	
DRO >C10-C28*	<10.0	10.0	05/17/2024	ND	177	88.6	200	0.860	
EXT DRO >C28-C36	<10.0	10.0	05/17/2024	ND					
Surrogate: 1-Chlorooctane	100	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.7	% 49.1-14	8						

Analyzed By: MS

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Analytical Results For:

ENSOLUM DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 05/16/2024 Reported: 05/22/2024

05/22/2024 SHANGHAI ROOSTER 15-3 FED 105H

Project Name: SHANGHAI R Project Number: 03C1558315

Project Location: XTO (32.12367-103.97186)

Sampling Date: 05/15/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SS 15 0.2 (H242706-16)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/17/2024	ND	2.04	102	2.00	1.50	
Toluene*	<0.050	0.050	05/17/2024	ND	1.97	98.4	2.00	1.57	
Ethylbenzene*	<0.050	0.050	05/17/2024	ND	1.99	99.7	2.00	1.92	
Total Xylenes*	<0.150	0.150	05/17/2024	ND	5.73	95.5	6.00	2.60	
Total BTEX	<0.300	0.300	05/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	92.9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5760	16.0	05/17/2024	ND	416	104	400	7.41	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2024	ND	177	88.7	200	2.79	
DRO >C10-C28*	14.6	10.0	05/17/2024	ND	177	88.6	200	0.860	
EXT DRO >C28-C36	<10.0	10.0	05/17/2024	ND					
Surrogate: 1-Chlorooctane	95.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.8	% 49.1-14	8						

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Analytical Results For:

ENSOLUM DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 05/16/2024 Reported: 05/22/2024

SHANGHAI ROOSTER 15-3 FED 105H

Project Number: 03C1558315

Project Location: XTO (32.12367-103.97186)

ma/ka

Sampling Date: 05/15/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SS 20 0.2 (H242706-17)

Project Name:

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	а ву: мѕ					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/17/2024	ND	2.04	102	2.00	1.50	
Toluene*	<0.050	0.050	05/17/2024	ND	1.97	98.4	2.00	1.57	
Ethylbenzene*	<0.050	0.050	05/17/2024	ND	1.99	99.7	2.00	1.92	
Total Xylenes*	<0.150	0.150	05/17/2024	ND	5.73	95.5	6.00	2.60	
Total BTEX	<0.300	0.300	05/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	91.4	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1180	16.0	05/17/2024	ND	416	104	400	7.41	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2024	ND	177	88.7	200	2.79	
DRO >C10-C28*	<10.0	10.0	05/17/2024	ND	177	88.6	200	0.860	
EXT DRO >C28-C36	<10.0	10.0	05/17/2024	ND					
Surrogate: 1-Chlorooctane	104	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

Applyzod By: MC

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Analytical Results For:

ENSOLUM DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 05/16/2024 Sampling Date: 05/15/2024

Reported: 05/22/2024 Sampling Type: Soil

Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact
Project Number: 03C1558315 Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: XTO (32.12367-103.97186)

mg/kg

Sample ID: SS 19 0.2 (H242706-18)

BTEX 8021B

DIEX GOZID	11197	ng .	Alldiyzo	a by. 1-15					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/17/2024	ND	2.04	102	2.00	1.50	
Toluene*	<0.050	0.050	05/17/2024	ND	1.97	98.4	2.00	1.57	
Ethylbenzene*	<0.050	0.050	05/17/2024	ND	1.99	99.7	2.00	1.92	
Total Xylenes*	<0.150	0.150	05/17/2024	ND	5.73	95.5	6.00	2.60	
Total BTEX	<0.300	0.300	05/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	90.4	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4720	16.0	05/17/2024	ND	416	104	400	7.41	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2024	ND	177	88.7	200	2.79	
DRO >C10-C28*	<10.0	10.0	05/17/2024	ND	177	88.6	200	0.860	
EXT DRO >C28-C36	<10.0	10.0	05/17/2024	ND					
Surrogate: 1-Chlorooctane	88.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	85.7	% 49.1-14	8						

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Analytical Results For:

ENSOLUM DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 05/16/2024 Reported: 05/22/2024

SHANGHAI ROOSTER 15-3 FED 105H

Project Number: 03C1558315

Project Location: XTO (32.12367-103.97186)

ma/ka

Sampling Date: 05/15/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SS 21 0.2 (H242706-19)

Project Name:

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/17/2024	ND	2.04	102	2.00	1.50	
Toluene*	<0.050	0.050	05/17/2024	ND	1.97	98.4	2.00	1.57	
Ethylbenzene*	<0.050	0.050	05/17/2024	ND	1.99	99.7	2.00	1.92	
Total Xylenes*	<0.150	0.150	05/17/2024	ND	5.73	95.5	6.00	2.60	
Total BTEX	<0.300	0.300	05/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	92.3	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	704	16.0	05/17/2024	ND	416	104	400	7.41	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2024	ND	177	88.7	200	2.79	
DRO >C10-C28*	861	10.0	05/17/2024	ND	177	88.6	200	0.860	
EXT DRO >C28-C36	<10.0	10.0	05/17/2024	ND					
Surrogate: 1-Chlorooctane	103	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	112	% 49.1-14	8						

Applyzod By: MC

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Analytical Results For:

ENSOLUM DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 05/16/2024 Sampling Date: 05/15/2024

Reported: 05/22/2024 Sampling Type: Soil

Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact
Project Number: 03C1558315 Sample Received By: Tamara Oldaker

Applyzod By: MC

Project Location: XTO (32.12367-103.97186)

ma/ka

Sample ID: SS 22 0.2 (H242706-20)

RTFY 8021R

Reporting Limit 0 0.050	Analyzed 05/17/2024	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
0 0.050	05/17/2024			· ·		Tu D	Qualifiel
	03/17/2024	ND	2.04	102	2.00	1.50	
0.050	05/17/2024	ND	1.97	98.4	2.00	1.57	
0 0.050	05/17/2024	ND	1.99	99.7	2.00	1.92	
0 0.150	05/17/2024	ND	5.73	95.5	6.00	2.60	
0 0.300	05/17/2024	ND					
2.5 % 71.5-1	134						
ng/kg	Analyze	ed By: CT					
Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
16.0	05/17/2024	ND	416	104	400	7.41	
mg/kg	Analyze	d By: MS					
Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
10.0	05/17/2024	ND	177	88.7	200	2.79	
10.0	05/17/2024	ND	177	88.6	200	0.860	
10.0	05/17/2024	ND					
9.8 % 48.2-1	134						
1.8% 49.1-							
	16.0 mg/kg t Reporting Limit 0 10.0 10.0 10.0	16.0 05/17/2024 mg/kg Analyze t Reporting Limit Analyzed 0 10.0 05/17/2024 1 10.0 05/17/2024 0 10.0 05/17/2024	16.0 05/17/2024 ND mg/kg Analyzed By: MS t Reporting Limit Analyzed Method Blank 0 10.0 05/17/2024 ND 1 10.0 05/17/2024 ND 0 10.0 05/17/2024 ND	16.0 05/17/2024 ND 416 mg/kg Analyzed By: MS t Reporting Limit Analyzed Method Blank BS 0 10.0 05/17/2024 ND 177 1 10.0 05/17/2024 ND 177 0 10.0 05/17/2024 ND	16.0 05/17/2024 ND 416 104 mg/kg Analyzed By: MS t Reporting Limit Analyzed Method Blank BS % Recovery 0 10.0 05/17/2024 ND 177 88.7 4 10.0 05/17/2024 ND 177 88.6 0 10.0 05/17/2024 ND	16.0 05/17/2024 ND 416 104 400 mg/kg Analyzed By: MS t Reporting Limit Analyzed Method Blank BS % Recovery True Value QC 0 10.0 05/17/2024 ND 177 88.7 200 1 10.0 05/17/2024 ND 177 88.6 200 0 10.0 05/17/2024 ND	16.0 05/17/2024 ND 416 104 400 7.41 mg/kg Analyzed By: MS t Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD 10.0 05/17/2024 ND 177 88.7 200 2.79 10.0 05/17/2024 ND 177 88.6 200 0.860 10.0 05/17/2024 ND

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Analytical Results For:

ENSOLUM DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 05/16/2024 Reported:

Sampling Type: 05/22/2024 SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition:

Project Name: Project Number: 03C1558315

Project Location: XTO (32.12367-103.97186) Sampling Date: 05/15/2024 Soil

Sample Received By:

Cool & Intact Tamara Oldaker

Sample ID: SS 23 (H242706-21)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/18/2024	ND	2.27	113	2.00	8.52	
Toluene*	<0.050	0.050	05/18/2024	ND	2.21	110	2.00	7.80	
Ethylbenzene*	< 0.050	0.050	05/18/2024	ND	2.23	111	2.00	7.43	
Total Xylenes*	<0.150	0.150	05/18/2024	ND	6.57	109	6.00	7.68	
Total BTEX	<0.300	0.300	05/18/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 %	6 71.5-13	4						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2040	16.0	05/17/2024	ND	416	104	400	7.41	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2024	ND	177	88.7	200	2.79	
DRO >C10-C28*	<10.0	10.0	05/17/2024	ND	177	88.6	200	0.860	
EXT DRO >C28-C36	<10.0	10.0	05/17/2024	ND					
Surrogate: 1-Chlorooctane	98.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.8	% 49.1 - 14	8						

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Analytical Results For:

ENSOLUM DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 05/16/2024 Sampling Date: 05/15/2024

Reported: 05/22/2024 Sampling Type: Soil

Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact Tamara Oldaker Project Number: 03C1558315 Sample Received By:

Project Location: XTO (32.12367-103.97186)

Sample ID: SS 24 (H242706-22)

BTEX 8021B	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/18/2024	ND	2.27	113	2.00	8.52	
Toluene*	<0.050	0.050	05/18/2024	ND	2.21	110	2.00	7.80	
Ethylbenzene*	<0.050	0.050	05/18/2024	ND	2.23	111	2.00	7.43	
Total Xylenes*	<0.150	0.150	05/18/2024	ND	6.57	109	6.00	7.68	
Total BTEX	<0.300	0.300	05/18/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	05/17/2024	ND	416	104	400	7.41	
TPH 8015M	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2024	ND	179	89.3	200	1.43	
DRO >C10-C28*	<10.0	10.0	05/17/2024	ND	168	83.8	200	0.694	
EXT DRO >C28-C36	<10.0	10.0	05/17/2024	ND					
Surrogate: 1-Chlorooctane	89.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	112 9	% 49.1-14	8						

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Analytical Results For:

ENSOLUM DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 05/16/2024 Sampling Date: 05/15/2024

Reported: 05/22/2024 Sampling Type: Soil

Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact
Project Number: 03C1558315 Sample Received By: Tamara Oldaker

Project Location: XTO (32.12367-103.97186)

Sample ID: SS 17 (H242706-23)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/18/2024	ND	2.27	113	2.00	8.52	
Toluene*	<0.050	0.050	05/18/2024	ND	2.21	110	2.00	7.80	
Ethylbenzene*	<0.050	0.050	05/18/2024	ND	2.23	111	2.00	7.43	
Total Xylenes*	<0.150	0.150	05/18/2024	ND	6.57	109	6.00	7.68	
Total BTEX	<0.300	0.300	05/18/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3360	16.0	05/17/2024	ND	416	104	400	7.41	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2024	ND	179	89.3	200	1.43	
DRO >C10-C28*	<10.0	10.0	05/17/2024	ND	168	83.8	200	0.694	
EXT DRO >C28-C36	<10.0	10.0	05/17/2024	ND					
Surrogate: 1-Chlorooctane	87.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	106	% 49.1-14	8						

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Analytical Results For:

ENSOLUM DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 05/16/2024 Sampling Date: 05/15/2024

Reported: 05/22/2024 Sampling Type: Soil

Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact
Project Number: 03C1558315 Sample Received By: Tamara Oldaker

Project Location: XTO (32.12367-103.97186)

Sample ID: SS 18 (H242706-24)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/18/2024	ND	2.27	113	2.00	8.52	
Toluene*	<0.050	0.050	05/18/2024	ND	2.21	110	2.00	7.80	
Ethylbenzene*	<0.050	0.050	05/18/2024	ND	2.23	111	2.00	7.43	
Total Xylenes*	<0.150	0.150	05/18/2024	ND	6.57	109	6.00	7.68	
Total BTEX	<0.300	0.300	05/18/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	10800	16.0	05/17/2024	ND	416	104	400	7.41	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2024	ND	179	89.3	200	1.43	
DRO >C10-C28*	191	10.0	05/17/2024	ND	168	83.8	200	0.694	
EXT DRO >C28-C36	92.8	10.0	05/17/2024	ND					
Surrogate: 1-Chlorooctane	80.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107	% 49.1-14	8						

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Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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Celeg D. Freene

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

101 East Marland, Hobbs, NM 88240 aboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Delivered By: (Circle One)	Relinquished 5y:	PLEASE NOTE: Liability and Dannages. Cardina't is analyses. All claims including those for negligence a service. In no event shall Cardinal be liable or incide affiliates or successors. "Histo out of or related to the			67						55	Lab I.D. S	FOR LAB USE ONLY	Sampler Name: Ore	Project Location: 32, 1	Project Name: Shang	Project #: 03C 155	Phone #: 409454 3009	city: Carly bad	Address: 3122 Not	Project Manager:) all id	Company Name: Ensolum
Observed Temp. °C	Date: Date:	ability and client's exclusive remod ability and client's exclusive remod and any other cause whitsoewer sh ratial or consequential damages, in performance of services hereund	7055	2007	5507	5055	4055	5502	0155	. 6055	8085	Sample I.D.		Santillong	12367,-103,97186	Handai Rooter 15-3 Fed	1558315 Project Owner	-		nas P	d Mcinnis	Ensolum
2.4 Sample Condition Coof Intact Coof Intact Coof Intact	Received By:	ady for any claim arising whether based in contract or fort, that be limited to the amount paid by the disent for the shall be desented walved unless made is writing and received by Ceadmail within 30 days after completion of the application without limitedion, business interruptions, loss of use, or toos of profits incurred by clear, its subsidiaries, rader by Ceartinal, regardless of whether such claim is based. ""s any of the above stated ressorts or otherwise.	< -								4	(G)RAB OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER;	MATRIX	79		HGOI			02288		9	
CHECKED BY:	Milder N	ort, shall be larelled to the amount paid by th ceied by Cardinal within 30 days after com- of use, or loss of profits incurred by client, i sayd any of the above stated reasons	<	170			W W	1/2	34		X 5/15/24 1022	ACID/BASE: ICE / COOL OTHER :	PRESERV. SAMPLING	Fax #:	Phone #: 8822	State: N/M Zip: DARE	city: Carlsbad	Address 3104 E. Carcene St	Attn: AMY RUH.	company: X TO Energy	P.O. #:	BILL TO
Turnaround Time: Standard Control Rush	Result: U Yes U No ults are emailed. Please provid Cinnis @ ensolu	cable	303 4 4	1250	11/0	1/4	1/19	1/28	619	1032 1.11	22 X X X	m - A 1			0	. Car		ne st		15		ANAL
Bacteria (only) Sample Condition Cool Intact Observed Temp. °C	Email address: BO331001				A.																	ANALYSIS REQUEST

Page 27 of 29

1053

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



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

Company Name	Company Name: Ensolum 110						
The state of the s	יי בווסטומווו, בבט			BILL TO		ANALYSIS REQUEST	
Project manager:	David 1	UC:00:3		P.O. #:			
Address:3122	Netional	Parks Huy		Company: X To E	Eneroy		
city: Carlsbad	,	State:/√ M	21p: 88220	_	5		
Phone #: 409 45 4300	4543009	Fax #:		3 40	Great		
Project #: 030	Project #: 03C 155 8315	Project Owner:		2			
Project Name: Shangha	Shanshai R	005 ter 15-3	Fed 105 H	State: NM Zip: 88	220		
Project Location: 32	n:32:1236	7, -103.9-	1126	Phone #:			
Sampler Name:	Urich San	+ Vana		Fax #:			
FOR LAB USE ONLY			MATRIX	SERV.	SAMPLING		
Lab I.D.	Sample I.D.	Depth (feet)	AB OR (C)OMP NTAINERS UNDWATER TEWATER	/BASE:	Hlorida TPH	TEX	
4543106	6611	1021200	GR WA	OTH	TIME		
12	5512	SAME.		12 ICHE	7 7 7 7 7	>	
13	5513	881			1350		
14	35K				1354		
15	1156				1432		
16	2156				1424		
17	07.50				1028		
81	4166				1015		
17	1761						
PLEASE NOTE: Liability and Dam	Damages, Cardina's liability and client's exclu	d client's exclusive remedy for any	sive remedy for any claim arising whether based in contract or tort, shall be limited to the	or bort, shall be limited to the amount out	1245 4 4 4		
analyses. All claims includin service. In no event shall Ca affiliates or successors arisin	analyses. All claims including those for negligence and any other service. In no event shall Cardinal be liable for incidental or cons affiliates or successors arising out of or related to the performant	ther cause whatsoever shall be deel onsequental damages, including wit since of services hereunder by Card	med waived unless managed through the managed by the mediation, busines and mal, regardless of who	de in writing and received by Cardinal within 30 days after as interruptions, loss of use, or loss of profits incurred by di ther such dailm is based upon any of the above.	r completion of the applicable liant, its subsidiaries,		
Neimquisned by	1	S-16-24	Received By:	11/11		□ No Add'I Phone #:	
U DONA		Time: 243	Munoka.	Market	JACINAIS @ C	CMCINNIS & CNOVAN COM	
Youndrien by		Time:	Received By:			cato:1880331001	
Delivered By: (Circle One)		Observed Temp. °C 2		ON CHECKED BY:	40	Z Z	
Sampler - UPS - Bus - Other:		Corrected Temp. *C	,	(Initials)	Thermometer ID #449 #/	o and	
FURM-006 F	3.2 10/07/21		ON ON	V .	Correction Factor -0.5-6 To.	2. S//6/24 \(\text{No} \) No Corrected Temp. °C	L

2 of 3

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Project Manager: David Manager: Davi	State: UM ZID: 78220	P.O. #: Company: XTO Ency Y Attn: Amy Right	ANALYSIS REQUEST
Project #: 03C 55 83 5	Fax #:	Address: 3104 E. Greece st	
Project Name: Sharghai Roo	15ter 15-3 Feb 1054	State: N. M. 71. PX 720	
6	-103.97186	Diale: Not Zip: 6 0000	
(ic) 5cm +11	and !	Phone #:	
		PRESERV. SAMPLING	5
Lab I.D. Sample I.D.	(G)RAB OR (C)OMF # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER: ACID/BASE: ICE / COOL OTHER: DATE	Chloride TPH BTEX
257		X 5/5/24/256	- X X - X
3/35 118	4	J 1435	* + +
PLEASE NOTE: Lability and Damages. Cardinal's liability and oller analyses. All claims including those for negligence and any other or service. In no event shall Cardinal be liable for incidental to consen-	PLEASE NOTE: Lability and Damages. Cardinal's liability and olient's exclusive remedy for any claim arising whether based in contract or lort, shall be limited to the amount paid by the client for the service. In no event shall Cardinal be liable for incidental or competition of the amount paid by the client for the service. In no event shall Cardinal be liable for incidental or competition of the amount paid by the client for the service.	or tort, shall be limited to the amount paid by the client for the received by Cardinal within 30 days after completion of the	of color
Relinquished By:	of services hereunder by Cardina), regardless of whether such claim is based upon any of the Date: S-16-24 Received By:	based upon any of the above stated reasons or otherwise. Verbal Result:	lt: ☐ Yes ☐ No Add'I Phone #:
Relinquished By:	20	All Results are em	ailed. Ple
Delivered By: (Circle One)	Observed Temp *C		
her:	Corrected Temp. *C Yes Yes Yes No No	CHECKED BY: Tu	Time: Standard ⊠ Bacteria (only) Sample Condition Rush Cool Intact Observed Temp. °C □ '\$173 #



October 22, 2024

TACOMA MORRISSEY
ENSOLUM
3122 NATIONAL PARKS HWY
CARLSBAD, NM 88220

RE: SHANGHAI ROOSTER 15-3 FED 105H

Enclosed are the results of analyses for samples received by the laboratory on 10/21/24 12:10.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab_accred_certif.html.

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

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

Celey D. Keene

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/21/2024 Sampling Date: 10/17/2024

Reported: 10/22/2024 Sampling Type: Soil

Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact
Project Number: 03C1558315 Sample Received By: Tamara Oldaker

A I J D. ... 711

Project Location: XTO (32.12367-103.97186)

Sample ID: FS 01 1' (H246404-01)

BTEX 8021B	mg,	'kg	Analyze	d By: JH					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/22/2024	ND	1.97	98.6	2.00	6.76	
Toluene*	<0.050	0.050	10/22/2024	ND	2.06	103	2.00	7.09	
Ethylbenzene*	0.169	0.050	10/22/2024	ND	2.13	107	2.00	6.66	GC-NC1
Total Xylenes*	0.924	0.150	10/22/2024	ND	6.38	106	6.00	6.94	GC-NC1
Total BTEX	1.09	0.300	10/22/2024	ND					GC-NC1
Surrogate: 4-Bromofluorobenzene (PID	137	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	'kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	10/22/2024	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	138	10.0	10/22/2024	ND	236	118	200	10.9	
DRO >C10-C28*	6340	10.0	10/22/2024	ND	241	120	200	16.7	
EXT DRO >C28-C36	<10.0	10.0	10/22/2024	ND					
Surrogate: 1-Chlorooctane	182	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	177	% 49.1-14	8						

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Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/21/2024 Sampling Date: 10/17/2024

Reported: 10/22/2024 Sampling Type: Soil

Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact
Project Number: 03C1558315 Sample Received By: Tamara Oldaker

Project Location: XTO (32.12367-103.97186)

Sample ID: FS 02 1' (H246404-02)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/21/2024	ND	1.97	98.6	2.00	6.76	
Toluene*	<0.050	0.050	10/21/2024	ND	2.06	103	2.00	7.09	
Ethylbenzene*	<0.050	0.050	10/21/2024	ND	2.13	107	2.00	6.66	
Total Xylenes*	<0.150	0.150	10/21/2024	ND	6.38	106	6.00	6.94	
Total BTEX	<0.300	0.300	10/21/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	10/22/2024	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/22/2024	ND	236	118	200	10.9	
DRO >C10-C28*	<10.0	10.0	10/22/2024	ND	241	120	200	16.7	
EXT DRO >C28-C36	<10.0	10.0	10/22/2024	ND					
Surrogate: 1-Chlorooctane	115	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	123	% 49.1-14	8						

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Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/21/2024 Sampling Date: 10/17/2024

Reported: 10/22/2024 Sampling Type: Soil

Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact
Project Number: 03C1558315 Sample Received By: Tamara Oldaker

Project Location: XTO (32.12367-103.97186)

Sample ID: FS 03 1' (H246404-03)

BTEX 8021B	mg/kg		Analyze	Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/22/2024	ND	1.97	98.6	2.00	6.76	
Toluene*	<0.050	0.050	10/22/2024	ND	2.06	103	2.00	7.09	
Ethylbenzene*	< 0.050	0.050	10/22/2024	ND	2.13	107	2.00	6.66	
Total Xylenes*	<0.150	0.150	10/22/2024	ND	6.38	106	6.00	6.94	
Total BTEX	<0.300	0.300	10/22/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	464	16.0	10/22/2024	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/22/2024	ND	236	118	200	10.9	
DRO >C10-C28*	<10.0	10.0	10/22/2024	ND	241	120	200	16.7	
EXT DRO >C28-C36	<10.0	10.0	10/22/2024	ND					
Surrogate: 1-Chlorooctane	116	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	125	% 49.1-14	8						

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Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/21/2024 Sampling Date: 10/17/2024

Reported: 10/22/2024 Sampling Type: Soil

Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact
Project Number: 03C1558315 Sample Received By: Tamara Oldaker

Project Location: XTO (32.12367-103.97186)

Sample ID: FS 04 1' (H246404-04)

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	10/22/2024	ND	1.97	98.6	2.00	6.76	
Toluene*	<0.050	0.050	10/22/2024	ND	2.06	103	2.00	7.09	
Ethylbenzene*	<0.050	0.050	10/22/2024	ND	2.13	107	2.00	6.66	
Total Xylenes*	<0.150	0.150	10/22/2024	ND	6.38	106	6.00	6.94	
Total BTEX	<0.300	0.300	10/22/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	'kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	10/22/2024	ND	432	108	400	3.64	
TPH 8015M	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/22/2024	ND	236	118	200	10.9	
DRO >C10-C28*	<10.0	10.0	10/22/2024	ND	241	120	200	16.7	
EXT DRO >C28-C36	<10.0	10.0	10/22/2024	ND					
Surrogate: 1-Chlorooctane	117 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	126	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/21/2024 Sampling Date: 10/17/2024

Reported: 10/22/2024 Sampling Type: Soil

Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact
Project Number: 03C1558315 Sample Received By: Tamara Oldaker

Project Location: XTO (32.12367-103.97186)

Sample ID: FS 05 1' (H246404-05)

BTEX 8021B	mg/kg		Analyze	Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/22/2024	ND	1.97	98.6	2.00	6.76	
Toluene*	<0.050	0.050	10/22/2024	ND	2.06	103	2.00	7.09	
Ethylbenzene*	<0.050	0.050	10/22/2024	ND	2.13	107	2.00	6.66	
Total Xylenes*	<0.150	0.150	10/22/2024	ND	6.38	106	6.00	6.94	
Total BTEX	<0.300	0.300	10/22/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	10/22/2024	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/22/2024	ND	236	118	200	10.9	
DRO >C10-C28*	<10.0	10.0	10/22/2024	ND	241	120	200	16.7	
EXT DRO >C28-C36	<10.0	10.0	10/22/2024	ND					
Surrogate: 1-Chlorooctane	112	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	118	% 49.1-14	8						

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Celey D. Keene



10/17/2024

Tamara Oldaker

Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/21/2024 Sampling Date:

Reported: 10/22/2024 Sampling Type: Soil
Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact

Project Number: 03C1558315 Sample Received By:

Project Location: XTO (32.12367-103.97186)

Sample ID: FS 06 1' (H246404-06)

BTEX 8021B	mg/kg		Analyze	Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/22/2024	ND	1.97	98.6	2.00	6.76	
Toluene*	<0.050	0.050	10/22/2024	ND	2.06	103	2.00	7.09	
Ethylbenzene*	< 0.050	0.050	10/22/2024	ND	2.13	107	2.00	6.66	
Total Xylenes*	<0.150	0.150	10/22/2024	ND	6.38	106	6.00	6.94	
Total BTEX	<0.300	0.300	10/22/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-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	10/22/2024	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/22/2024	ND	236	118	200	10.9	
DRO >C10-C28*	<10.0	10.0	10/22/2024	ND	241	120	200	16.7	
EXT DRO >C28-C36	<10.0	10.0	10/22/2024	ND					
Surrogate: 1-Chlorooctane	110	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	117	% 49.1-14	8						

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Celey D. Keene



10/17/2024

Cool & Intact

Soil

Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/21/2024 Reported:

Sampling Date: Sampling Type: 10/22/2024

Project Name: SHANGHAI ROOSTER 15-3 FED 105H

Sampling Condition: Project Number: Sample Received By: 03C1558315 Tamara Oldaker

Project Location: XTO (32.12367-103.97186)

Sample ID: FS 07 1' (H246404-07)

BTEX 8021B	mg/kg		Analyze	Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/22/2024	ND	1.97	98.6	2.00	6.76	
Toluene*	<0.050	0.050	10/22/2024	ND	2.06	103	2.00	7.09	
Ethylbenzene*	<0.050	0.050	10/22/2024	ND	2.13	107	2.00	6.66	
Total Xylenes*	<0.150	0.150	10/22/2024	ND	6.38	106	6.00	6.94	
Total BTEX	<0.300	0.300	10/22/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	110	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	10/22/2024	ND	432	108	400	3.64	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/22/2024	ND	236	118	200	10.9	
DRO >C10-C28*	<10.0	10.0	10/22/2024	ND	241	120	200	16.7	
EXT DRO >C28-C36	<10.0	10.0	10/22/2024	ND					
Surrogate: 1-Chlorooctane	120	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	128	% 49.1-14	8						

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Celey D. Keene



10/17/2024

Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/21/2024 Sampling Date:

Reported: Sampling Type: Soil 10/22/2024

Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact Tamara Oldaker Project Number: 03C1558315 Sample Received By:

Project Location: XTO (32.12367-103.97186)

Sample ID: FS 08 1' (H246404-08)

BTEX 8021B	mg/kg		Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/22/2024	ND	1.97	98.6	2.00	6.76	
Toluene*	<0.050	0.050	10/22/2024	ND	2.06	103	2.00	7.09	
Ethylbenzene*	0.137	0.050	10/22/2024	ND	2.13	107	2.00	6.66	GC-NC1
Total Xylenes*	0.772	0.150	10/22/2024	ND	6.38	106	6.00	6.94	GC-NC1
Total BTEX	0.909	0.300	10/22/2024	ND					GC-NC1
Surrogate: 4-Bromofluorobenzene (PID	133 9	% 71.5-13	4						
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	10/22/2024	ND	432	108	400	3.64	
TPH 8015M	mg/	kg	Analyzed By: MS						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	92.6	10.0	10/21/2024	ND	218	109	200	11.8	
DRO >C10-C28*	4830	10.0	10/21/2024	ND	224	112	200	12.5	QM-07
EXT DRO >C28-C36	<10.0	10.0	10/21/2024	ND					
Surrogate: 1-Chlorooctane	125 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	150	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/21/2024 Reported: 10/22/2024

10/22/2024 SHANGHAI ROOSTER 15-3 FED 105H

Project Number: 03C1558315

Project Location: XTO (32.12367-103.97186)

Sampling Date: 10/17/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS 09 1' (H246404-09)

Project Name:

BTEX 8021B	mg/kg		Analyze	Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/22/2024	ND	1.97	98.6	2.00	6.76	
Toluene*	<0.050	0.050	10/22/2024	ND	2.06	103	2.00	7.09	
Ethylbenzene*	0.118	0.050	10/22/2024	ND	2.13	107	2.00	6.66	GC-NC1
Total Xylenes*	0.655	0.150	10/22/2024	ND	6.38	106	6.00	6.94	GC-NC1
Total BTEX	0.773	0.300	10/22/2024	ND					GC-NC1
Surrogate: 4-Bromofluorobenzene (PID	130	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	10/22/2024	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyzed By: MS						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	78.4	10.0	10/21/2024	ND	218	109	200	11.8	
DRO >C10-C28*	4670	10.0	10/21/2024	ND	224	112	200	12.5	
EXT DRO >C28-C36	<10.0	10.0	10/21/2024	ND					
Surrogate: 1-Chlorooctane	133	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	162	% 49.1-14	8						

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Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/21/2024 Reported: 10/22/2024

10/22/2024

ma/ka

Project Name: SHANGHAI ROOSTER 15-3 FED 105H
Project Number: 03C1558315

Project Location: XTO (32.12367-103.97186)

Sampling Date: 10/17/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SW 01 0-1' (H246404-10)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/22/2024	ND	1.97	98.6	2.00	6.76	
Toluene*	<0.050	0.050	10/22/2024	ND	2.06	103	2.00	7.09	
Ethylbenzene*	<0.050	0.050	10/22/2024	ND	2.13	107	2.00	6.66	
Total Xylenes*	<0.150	0.150	10/22/2024	ND	6.38	106	6.00	6.94	
Total BTEX	<0.300	0.300	10/22/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	10/22/2024	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	10/21/2024	ND	218	109	200	11.8	
DRO >C10-C28*	<10.0	10.0	10/21/2024	ND	224	112	200	12.5	
EXT DRO >C28-C36	<10.0	10.0	10/21/2024	ND					
Surrogate: 1-Chlorooctane	105	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	110	% 49.1-14	8						

Applyzod By: 14

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Celey D. Keine



Sample Received By:

10/18/2024

Tamara Oldaker

Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/21/2024 Sampling Date:

Reported: Sampling Type: Soil 10/22/2024 Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact

Project Number: 03C1558315

Project Location: XTO (32.12367-103.97186)

Sample ID: FS 010 4' (H246404-11)

BTEX 8021B	mg/kg		Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/21/2024	ND	2.09	105	2.00	2.44	
Toluene*	<0.050	0.050	10/21/2024	ND	2.07	103	2.00	3.90	
Ethylbenzene*	<0.050	0.050	10/21/2024	ND	2.10	105	2.00	4.01	
Total Xylenes*	<0.150	0.150	10/21/2024	ND	6.24	104	6.00	3.97	
Total BTEX	<0.300	0.300	10/21/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1800	16.0	10/22/2024	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	10/21/2024	ND	218	109	200	11.8	
DRO >C10-C28*	<10.0	10.0	10/21/2024	ND	224	112	200	12.5	
EXT DRO >C28-C36	<10.0	10.0	10/21/2024	ND					
Surrogate: 1-Chlorooctane	113 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	111 9	% 49.1-14	8						

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Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/21/2024 Reported:

Sampling Type: 10/22/2024

Project Name: SHANGHAI ROOSTER 15-3 FED 105H Project Number: 03C1558315

Project Location: XTO (32.12367-103.97186) Sampling Date: 10/18/2024 Soil

Sampling Condition: Cool & Intact Tamara Oldaker Sample Received By:

Sample ID: FS 011 4' (H246404-12)

BTEX 8021B	mg/kg		Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/21/2024	ND	2.09	105	2.00	2.44	
Toluene*	<0.050	0.050	10/21/2024	ND	2.07	103	2.00	3.90	
Ethylbenzene*	<0.050	0.050	10/21/2024	ND	2.10	105	2.00	4.01	
Total Xylenes*	<0.150	0.150	10/21/2024	ND	6.24	104	6.00	3.97	
Total BTEX	<0.300	0.300	10/21/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1920	16.0	10/22/2024	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	10/21/2024	ND	218	109	200	11.8	
DRO >C10-C28*	<10.0	10.0	10/21/2024	ND	224	112	200	12.5	
EXT DRO >C28-C36	<10.0	10.0	10/21/2024	ND					
Surrogate: 1-Chlorooctane	110 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	109	% 49.1-14	8						

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Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/21/2024 Sampling Date: 10/18/2024

Reported: 10/22/2024 Sampling Type: Soil

Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact
Project Number: 03C1558315 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: XTO (32.12367-103.97186)

mg/kg

Sample ID: FS 012 4' (H246404-13)

BTEX 8021B

DILX GOZID	ıııg,	, kg	Andryzo	u by. 511					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/21/2024	ND	2.09	105	2.00	2.44	
Toluene*	<0.050	0.050	10/21/2024	ND	2.07	103	2.00	3.90	
Ethylbenzene*	<0.050	0.050	10/21/2024	ND	2.10	105	2.00	4.01	
Total Xylenes*	<0.150	0.150	10/21/2024	ND	6.24	104	6.00	3.97	
Total BTEX	<0.300	0.300	10/21/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1630	16.0	10/22/2024	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/21/2024	ND	218	109	200	11.8	
DRO >C10-C28*	<10.0	10.0	10/21/2024	ND	224	112	200	12.5	
EXT DRO >C28-C36	<10.0	10.0	10/21/2024	ND					
Surrogate: 1-Chlorooctane	112	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	111 9	% 49.1-14	8						

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Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/21/2024 Reported:

10/22/2024

Project Name: SHANGHAI ROOSTER 15-3 FED 105H

Project Number: 03C1558315

Project Location: XTO (32.12367-103.97186) Sampling Date: 10/18/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact Tamara Oldaker Sample Received By:

Sample ID: FS 013 4' (H246404-14)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/21/2024	ND	2.09	105	2.00	2.44	
Toluene*	<0.050	0.050	10/21/2024	ND	2.07	103	2.00	3.90	
Ethylbenzene*	<0.050	0.050	10/21/2024	ND	2.10	105	2.00	4.01	
Total Xylenes*	<0.150	0.150	10/21/2024	ND	6.24	104	6.00	3.97	
Total BTEX	<0.300	0.300	10/21/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	10/22/2024	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	10/21/2024	ND	218	109	200	11.8	
DRO >C10-C28*	<10.0	10.0	10/21/2024	ND	224	112	200	12.5	
EXT DRO >C28-C36	<10.0	10.0	10/21/2024	ND					
Surrogate: 1-Chlorooctane	114 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	112 9	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/21/2024 Sampling Date: 10/18/2024

Reported: 10/22/2024 Sampling Type: Soil

Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact
Project Number: 03C1558315 Sample Received By: Tamara Oldaker

Project Location: XTO (32.12367-103.97186)

Sample ID: FS 014 4' (H246404-15)

BTEX 8021B	mg/kg		Analyze	Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/21/2024	ND	2.09	105	2.00	2.44	
Toluene*	<0.050	0.050	10/21/2024	ND	2.07	103	2.00	3.90	
Ethylbenzene*	<0.050	0.050	10/21/2024	ND	2.10	105	2.00	4.01	
Total Xylenes*	<0.150	0.150	10/21/2024	ND	6.24	104	6.00	3.97	
Total BTEX	<0.300	0.300	10/21/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	800	16.0	10/22/2024	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	10/21/2024	ND	218	109	200	11.8	
DRO >C10-C28*	<10.0	10.0	10/21/2024	ND	224	112	200	12.5	
EXT DRO >C28-C36	<10.0	10.0	10/21/2024	ND					
Surrogate: 1-Chlorooctane	112	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	111	% 49.1-14	8						

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S-04



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

Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
GC-NC1	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with interfering compounds.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference

The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

*** 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

Samples not received at proper temperature of 6°C or below.

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OF-CUSTODY AND ANALYSIS REQUEST

Page	76 of 2
101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476	Laboratories
	CHAIN-

P.O. #:	ANALISIS REQUEST
State: NM Zip: 88220 Attn: Amy Ruth (a) fon	ST COMMON TO STATE OF THE STATE
Fax #: Address: 3104 E Green St	
Project Owner: XTO	
City: callstd	
Phone #:	
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1-24 Received By: Verbal R	Result: Yes No Add'i Phone #-
While he had a	All Results are emailed. Please provide Email address:
my official of	-@ensolum.com, TMorrissey@ensolum.com, kthomason@ensolum.com
	Incident: NAPP2400450611
ition CHECKED BY:	40
Cool Intact (Initials) Yes Pyes	Bacteria (only) Sample Condition Rush Cool Intact Observed Temp. °C
	Company: XTO Ene Company: XTO Ene Address: 3104 E Gn Address: 3104 E Gn City: Carlsbad State: NM Zip:88: Phone #: Fax #: Fax #: GROUNDWATER WASTEWATER SOIL JUDGE GROUNDWATER SOIL JUDGE GROUNDWATER GROUNDWATER OTHER: CONTAINERS GROUNDWATER OTHER: GROUNDWATER OTHER: OT

-aboratories

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

Company Name: Ensolum, LLC

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Corrected Temp.



October 23, 2024

TACOMA MORRISSEY
ENSOLUM
3122 NATIONAL PARKS HWY
CARLSBAD, NM 88220

RE: SHANGHAI ROOSTER 15-3 FED 105H

Enclosed are the results of analyses for samples received by the laboratory on 10/22/24 13:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab accred certif.html.

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

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

Celey D. Keine

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/22/2024 Sampling Date: 10/21/2024

Reported: 10/23/2024 Sampling Type: Soil

Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact
Project Number: 03C1558315 Sample Received By: Tamara Oldaker

Applyand By 14

Project Location: XTO (32.12367-103.97186)

Sample ID: FS 015 1' (H246431-01)

DTEV 0021D

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/22/2024	ND	2.12	106	2.00	7.45	
Toluene*	<0.050	0.050	10/22/2024	ND	2.03	102	2.00	5.60	
Ethylbenzene*	<0.050	0.050	10/22/2024	ND	2.04	102	2.00	4.93	
Total Xylenes*	<0.150	0.150	10/22/2024	ND	6.04	101	6.00	5.41	
Total BTEX	<0.300	0.300	10/22/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.8	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	10/23/2024	ND	400	100	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	10/23/2024	ND	218	109	200	3.37	
DRO >C10-C28*	<10.0	10.0	10/23/2024	ND	211	105	200	4.00	
EXT DRO >C28-C36	<10.0	10.0	10/23/2024	ND					
Surrogate: 1-Chlorooctane	95.2 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.8	% 49.1 - 14	8						

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Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/22/2024 Reported: 10/23/2024

10/23/2024 SHANGHAI ROOSTER 15-3 FED 105H

Project Number: 03C1558315

Project Location: XTO (32.12367-103.97186)

ma/ka

Sampling Date: 10/21/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS 016 1' (H246431-02)

Project Name:

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/22/2024	ND	2.12	106	2.00	7.45	
Toluene*	<0.050	0.050	10/22/2024	ND	2.03	102	2.00	5.60	
Ethylbenzene*	<0.050	0.050	10/22/2024	ND	2.04	102	2.00	4.93	
Total Xylenes*	<0.150	0.150	10/22/2024	ND	6.04	101	6.00	5.41	
Total BTEX	<0.300	0.300	10/22/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.3	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	10/23/2024	ND	400	100	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	10/23/2024	ND	218	109	200	3.37	
DRO >C10-C28*	<10.0	10.0	10/23/2024	ND	211	105	200	4.00	
EXT DRO >C28-C36	<10.0	10.0	10/23/2024	ND					
Surrogate: 1-Chlorooctane	88.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	82.4	% 49.1-14	8						

Applyzod By: 14

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Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/22/2024 Reported:

Sampling Date: 10/21/2024 Sampling Type: 10/23/2024 SHANGHAI ROOSTER 15-3 FED 105H

Project Name: Project Number: 03C1558315

Project Location: XTO (32.12367-103.97186)

ma/ka

Soil Sampling Condition: Cool & Intact

Tamara Oldaker

Sample Received By:

Sample ID: FS 017 1' (H246431-03)

RTFY 8021R

B1EX 8021B	mg/	кg	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/22/2024	ND	2.34	117	2.00	12.8	
Toluene*	<0.050	0.050	10/22/2024	ND	2.36	118	2.00	9.65	
Ethylbenzene*	<0.050	0.050	10/22/2024	ND	2.27	114	2.00	8.04	
Total Xylenes*	<0.150	0.150	10/22/2024	ND	7.03	117	6.00	6.73	
Total BTEX	<0.300	0.300	10/22/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	10/23/2024	ND	400	100	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	10/22/2024	ND	220	110	200	6.77	
DRO >C10-C28*	<10.0	10.0	10/22/2024	ND	221	111	200	2.85	
EXT DRO >C28-C36	<10.0	10.0	10/22/2024	ND					
Surrogate: 1-Chlorooctane	113 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	117 9	% 49.1-14	8						

Applyzod By: 14

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Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/22/2024

Sampling Date: 10/21/2024 Sampling Type: Soil

Reported: 10/23/2024 Project Name: SHANGHAI ROOSTER 15-3 FED 105H

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Project Number: 03C1558315

Project Location: XTO (32.12367-103.97186)

Sample ID: FS 018 1' (H246431-04)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/22/2024	ND	2.34	117	2.00	12.8	
Toluene*	<0.050	0.050	10/22/2024	ND	2.36	118	2.00	9.65	
Ethylbenzene*	<0.050	0.050	10/22/2024	ND	2.27	114	2.00	8.04	
Total Xylenes*	<0.150	0.150	10/22/2024	ND	7.03	117	6.00	6.73	
Total BTEX	<0.300	0.300	10/22/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	10/23/2024	ND	400	100	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	10/22/2024	ND	220	110	200	6.77	
DRO >C10-C28*	<10.0	10.0	10/22/2024	ND	221	111	200	2.85	
EXT DRO >C28-C36	<10.0	10.0	10/22/2024	ND					
Surrogate: 1-Chlorooctane	107	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	111	% 49.1-14	8						

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Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/22/2024 Reported: 10/23/2024

10/23/2024 SHANGHAI ROOSTER 15-3 FED 105H

Project Name: SHANGHAI R Project Number: 03C1558315

Project Location: XTO (32.12367-103.97186)

Sampling Date: 10/21/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS 019 1' (H246431-05)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/22/2024	ND	2.34	117	2.00	12.8	
Toluene*	<0.050	0.050	10/22/2024	ND	2.36	118	2.00	9.65	
Ethylbenzene*	<0.050	0.050	10/22/2024	ND	2.27	114	2.00	8.04	
Total Xylenes*	<0.150	0.150	10/22/2024	ND	7.03	117	6.00	6.73	
Total BTEX	<0.300	0.300	10/22/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	880	16.0	10/23/2024	ND	400	100	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	10/22/2024	ND	220	110	200	6.77	
DRO >C10-C28*	<10.0	10.0	10/22/2024	ND	221	111	200	2.85	
EXT DRO >C28-C36	<10.0	10.0	10/22/2024	ND					
Surrogate: 1-Chlorooctane	99.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

 Received:
 10/22/2024
 Sampling Date:
 10/21/2024

 Reported:
 10/23/2024
 Sampling Type:
 Soil

Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact

Project Number: 03C1558315 Sample Received By: Tamara Oldaker

Project Location: XTO (32.12367-103.97186)

Sample ID: FS 020 1' (H246431-06)

BTEX 8021B	mg/kg		Analyze	Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/22/2024	ND	2.34	117	2.00	12.8	
Toluene*	<0.050	0.050	10/22/2024	ND	2.36	118	2.00	9.65	
Ethylbenzene*	<0.050	0.050	10/22/2024	ND	2.27	114	2.00	8.04	
Total Xylenes*	<0.150	0.150	10/22/2024	ND	7.03	117	6.00	6.73	
Total BTEX	<0.300	0.300	10/22/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	10/23/2024	ND	400	100	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	10/22/2024	ND	220	110	200	6.77	
DRO >C10-C28*	<10.0	10.0	10/22/2024	ND	221	111	200	2.85	
EXT DRO >C28-C36	<10.0	10.0	10/22/2024	ND					
Surrogate: 1-Chlorooctane	110	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	113	% 49.1-14	8						

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Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/22/2024 Reported: 10/23/2024

SHANGHAI ROOSTER 15-3 FED 105H

Project Number: 03C1558315

Project Location: XTO (32.12367-103.97186)

Sampling Date: 10/21/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS 021 1' (H246431-07)

Project Name:

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/22/2024	ND	2.34	117	2.00	12.8	
Toluene*	<0.050	0.050	10/22/2024	ND	2.36	118	2.00	9.65	
Ethylbenzene*	< 0.050	0.050	10/22/2024	ND	2.27	114	2.00	8.04	
Total Xylenes*	<0.150	0.150	10/22/2024	ND	7.03	117	6.00	6.73	
Total BTEX	<0.300	0.300	10/22/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	10/23/2024	ND	400	100	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	10/22/2024	ND	220	110	200	6.77	
DRO >C10-C28*	<10.0	10.0	10/22/2024	ND	221	111	200	2.85	
EXT DRO >C28-C36	<10.0	10.0	10/22/2024	ND					
Surrogate: 1-Chlorooctane	91.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.5	% 49.1-14	8						

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Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/22/2024 Sampling Date: 10/21/2024

Reported: 10/23/2024 Sampling Type: Soil

Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact
Project Number: 03C1558315 Sample Received By: Tamara Oldaker

Project Location: XTO (32.12367-103.97186)

Sample ID: FS 022 1' (H246431-08)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/22/2024	ND	2.34	117	2.00	12.8	
Toluene*	<0.050	0.050	10/22/2024	ND	2.36	118	2.00	9.65	
Ethylbenzene*	<0.050	0.050	10/22/2024	ND	2.27	114	2.00	8.04	
Total Xylenes*	<0.150	0.150	10/22/2024	ND	7.03	117	6.00	6.73	
Total BTEX	<0.300	0.300	10/22/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	912	16.0	10/23/2024	ND	400	100	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/22/2024	ND	220	110	200	6.77	
DRO >C10-C28*	<10.0	10.0	10/22/2024	ND	221	111	200	2.85	
EXT DRO >C28-C36	<10.0	10.0	10/22/2024	ND					
Surrogate: 1-Chlorooctane	103	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	109	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/22/2024 Reported: 10/23/2024

SHANGHAI ROOSTER 15-3 FED 105H

Project Number: 03C1558315

Project Location: XTO (32.12367-103.97186) Sampling Date: 10/21/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact Tamara Oldaker Sample Received By:

Sample ID: FS 023 3' (H246431-09)

Project Name:

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/22/2024	ND	2.34	117	2.00	12.8	
Toluene*	<0.050	0.050	10/22/2024	ND	2.36	118	2.00	9.65	
Ethylbenzene*	<0.050	0.050	10/22/2024	ND	2.27	114	2.00	8.04	
Total Xylenes*	<0.150	0.150	10/22/2024	ND	7.03	117	6.00	6.73	
Total BTEX	<0.300	0.300	10/22/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	10/23/2024	ND	400	100	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/22/2024	ND	220	110	200	6.77	
DRO >C10-C28*	<10.0	10.0	10/22/2024	ND	221	111	200	2.85	
EXT DRO >C28-C36	<10.0	10.0	10/22/2024	ND					
Surrogate: 1-Chlorooctane	116 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	123 9	% 49.1-14	8						

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Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/22/2024 Reported: 10/23/2024

10/23/2024 SHANGHAI ROOSTER 15-3 FED 105H

Project Name: SHANGHAI R Project Number: 03C1558315

Project Location: XTO (32.12367-103.97186)

Sampling Date: 10/21/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS 024 3' (H246431-10)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/22/2024	ND	2.34	117	2.00	12.8	
Toluene*	<0.050	0.050	10/22/2024	ND	2.36	118	2.00	9.65	
Ethylbenzene*	<0.050	0.050	10/22/2024	ND	2.27	114	2.00	8.04	
Total Xylenes*	<0.150	0.150	10/22/2024	ND	7.03	117	6.00	6.73	
Total BTEX	<0.300	0.300	10/22/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	10/23/2024	ND	400	100	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/22/2024	ND	220	110	200	6.77	
DRO >C10-C28*	<10.0	10.0	10/22/2024	ND	221	111	200	2.85	
EXT DRO >C28-C36	<10.0	10.0	10/22/2024	ND					
Surrogate: 1-Chlorooctane	97.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101	% 49.1-14	8						

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Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/22/2024 Reported: 10/23/2024

10/23/2024 SHANGHAI ROOSTER 15-3 FED 105H

Project Number: 03C1558315

Project Location: XTO (32.12367-103.97186)

Sampling Date: 10/21/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS 025 3' (H246431-11)

Project Name:

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/22/2024	ND	2.34	117	2.00	12.8	
Toluene*	<0.050	0.050	10/22/2024	ND	2.36	118	2.00	9.65	
Ethylbenzene*	<0.050	0.050	10/22/2024	ND	2.27	114	2.00	8.04	
Total Xylenes*	<0.150	0.150	10/22/2024	ND	7.03	117	6.00	6.73	
Total BTEX	<0.300	0.300	10/22/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	10/23/2024	ND	400	100	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/22/2024	ND	220	110	200	6.77	
DRO >C10-C28*	<10.0	10.0	10/22/2024	ND	221	111	200	2.85	
EXT DRO >C28-C36	<10.0	10.0	10/22/2024	ND					
Surrogate: 1-Chlorooctane	107	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	111 9	% 49.1-14	8						

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Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/22/2024 Reported: 10/23/2024

10/23/2024 Sampling SHANGHAI ROOSTER 15-3 FED 105H Sampling

Project Name: SHANGHAI R Project Number: 03C1558315

Project Location: XTO (32.12367-103.97186)

Sampling Date: 10/21/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS 026 3' (H246431-12)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/22/2024	ND	2.34	117	2.00	12.8	
Toluene*	<0.050	0.050	10/22/2024	ND	2.36	118	2.00	9.65	
Ethylbenzene*	<0.050	0.050	10/22/2024	ND	2.27	114	2.00	8.04	
Total Xylenes*	<0.150	0.150	10/22/2024	ND	7.03	117	6.00	6.73	
Total BTEX	<0.300	0.300	10/22/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	10/22/2024	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/22/2024	ND	220	110	200	6.77	
DRO >C10-C28*	<10.0	10.0	10/22/2024	ND	221	111	200	2.85	
EXT DRO >C28-C36	<10.0	10.0	10/22/2024	ND					
Surrogate: 1-Chlorooctane	106	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	111 9	% 49.1-14	8						

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Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/22/2024 Sampling Date: 10/21/2024

Reported: Sampling Type: Soil 10/23/2024

Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact Tamara Oldaker Project Number: 03C1558315 Sample Received By:

Project Location: XTO (32.12367-103.97186)

Sample ID: FS 27 3' (H246431-13)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/22/2024	ND	2.34	117	2.00	12.8	
Toluene*	<0.050	0.050	10/22/2024	ND	2.36	118	2.00	9.65	
Ethylbenzene*	<0.050	0.050	10/22/2024	ND	2.27	114	2.00	8.04	
Total Xylenes*	<0.150	0.150	10/22/2024	ND	7.03	117	6.00	6.73	
Total BTEX	<0.300	0.300	10/22/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	10/22/2024	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/22/2024	ND	220	110	200	6.77	
DRO >C10-C28*	<10.0	10.0	10/22/2024	ND	221	111	200	2.85	
EXT DRO >C28-C36	<10.0	10.0	10/22/2024	ND					
Surrogate: 1-Chlorooctane	108 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	113 9	6 49.1-14	8						

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Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/22/2024 Reported: 10/23/2024

SHANGHAI ROOSTER 15-3 FED 105H

Project Name: SHANGHAI R Project Number: 03C1558315

Project Location: XTO (32.12367-103.97186)

Sampling Date: 10/21/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS 28 3' (H246431-14)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/22/2024	ND	2.34	117	2.00	12.8	
Toluene*	<0.050	0.050	10/22/2024	ND	2.36	118	2.00	9.65	
Ethylbenzene*	<0.050	0.050	10/22/2024	ND	2.27	114	2.00	8.04	
Total Xylenes*	<0.150	0.150	10/22/2024	ND	7.03	117	6.00	6.73	
Total BTEX	<0.300	0.300	10/22/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	10/22/2024	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/22/2024	ND	220	110	200	6.77	
DRO >C10-C28*	<10.0	10.0	10/22/2024	ND	221	111	200	2.85	
EXT DRO >C28-C36	<10.0	10.0	10/22/2024	ND					
Surrogate: 1-Chlorooctane	91.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.6	% 49.1-14	8						

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Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/22/2024 Reported: 10/23/2024

10/23/2024 SHANGHAI ROOSTER 15-3 FED 105H

Project Name: SHANGHAI R Project Number: 03C1558315

Project Location: XTO (32.12367-103.97186)

Sampling Date: 10/21/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS 29 4' (H246431-15)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/22/2024	ND	2.34	117	2.00	12.8	
Toluene*	<0.050	0.050	10/22/2024	ND	2.36	118	2.00	9.65	
Ethylbenzene*	<0.050	0.050	10/22/2024	ND	2.27	114	2.00	8.04	
Total Xylenes*	<0.150	0.150	10/22/2024	ND	7.03	117	6.00	6.73	
Total BTEX	<0.300	0.300	10/22/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	544	16.0	10/22/2024	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/22/2024	ND	220	110	200	6.77	
DRO >C10-C28*	1200	10.0	10/22/2024	ND	221	111	200	2.85	
EXT DRO >C28-C36	<10.0	10.0	10/22/2024	ND					
Surrogate: 1-Chlorooctane	88.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	106	% 49.1-14	8						

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Celey D. Kreine



Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/22/2024 Reported: 10/23/2024

SHANGHAI ROOSTER 15-3 FED 105H

Project Number: 03C1558315

Project Location: XTO (32.12367-103.97186) Sampling Date: 10/21/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact Tamara Oldaker Sample Received By:

Sample ID: FS 30 4' (H246431-16)

Project Name:

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/22/2024	ND	2.34	117	2.00	12.8	
Toluene*	<0.050	0.050	10/22/2024	ND	2.36	118	2.00	9.65	
Ethylbenzene*	<0.050	0.050	10/22/2024	ND	2.27	114	2.00	8.04	
Total Xylenes*	<0.150	0.150	10/22/2024	ND	7.03	117	6.00	6.73	
Total BTEX	<0.300	0.300	10/22/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 5	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	10/22/2024	ND	416	104	400	3.77	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/22/2024	ND	220	110	200	6.77	
DRO >C10-C28*	<10.0	10.0	10/22/2024	ND	221	111	200	2.85	
EXT DRO >C28-C36	<10.0	10.0	10/22/2024	ND					
Surrogate: 1-Chlorooctane	106 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	112 9	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/22/2024 Reported: 10/23/2024

SHANGHAI ROOSTER 15-3 FED 105H

Project Name: SHANGHAI R Project Number: 03C1558315

Project Location: XTO (32.12367-103.97186)

ma/ka

Sampling Date: 10/21/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS 31 4' (H246431-17)

RTFY 8021R

B1EX 8021B	mg,	кg	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/22/2024	ND	2.34	117	2.00	12.8	
Toluene*	<0.050	0.050	10/22/2024	ND	2.36	118	2.00	9.65	
Ethylbenzene*	<0.050	0.050	10/22/2024	ND	2.27	114	2.00	8.04	
Total Xylenes*	<0.150	0.150	10/22/2024	ND	7.03	117	6.00	6.73	
Total BTEX	<0.300	0.300	10/22/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	880	16.0	10/22/2024	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/23/2024	ND	220	110	200	6.77	
DRO >C10-C28*	<10.0	10.0	10/23/2024	ND	221	111	200	2.85	
EXT DRO >C28-C36	<10.0	10.0	10/23/2024	ND					
Surrogate: 1-Chlorooctane	93.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.3	% 49.1-14	8						

Analyzed By: 14

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keine



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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Celeg D. Freene

† 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

	with the same of t		DITT 10		ANALYSIS	REQUEST
ional Pa	rks Hwy		P.O. #:			
City: Carlsbad	State: NM	Zip: 88220	Attn.		Charles of the State of the Sta	
Phone #: 337 257 8307			Address: 3104 E Come Stewn	Cla		
Project #: 0301558315	Project Owner: XTO		City: Carlohad	St	7	
Project Name: Showaha, Roster	15-3 F		bud		A STATE OF THE PERSON NAMED IN	
Project Location: 32, 12367	-103,97186		Clare. Min Zip:00220			
Sampler Name: Joshua Bo	Xey		riloile #:			
FOR LAB USE ONLY		MATRIX	PRESERV. SAMPLING	LING		
Lab I.D. Sample I.D.	(feet) Depth		ASE:	rides		
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EASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount and the state of the state	y and client's exclusive remedy for any claim a	rising whether based in contract or tort, s	shall be limited to the employer and to	034 X X		
wise. In no event shall Cardral be label for incidental or consequential damages, including whether whether shall cardral be label for incidental or consequential damages, including without (imitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, alless of successors arising out of or related to the performance of services hereunder by Cardral, regardless of whether such claims is based upon on your farm.	ry other cause whatsoever shall be deemed work consequental damages, including without lin or consequental damages, including without lin ormance of services hereunder by Cardinal, re-	cause whatoever shall be deemed wayed unless made in writing and received by Cardinal within 30 days after completion of the quential damages, including without limitation, business interruptions, loss of use, or loss of profits incremed by client, its subsidiaries of services hereunder by Cardinal, regardless of whether such claim is based upon any of the advanced by client, its subsidiaries	ed by Cardinal within 30 days after course, or loss of profits incurred by client	The client for the mpletion of the applicable . Its subsidiaries,		
W. Sandar	45.2	Received By:	g	Verbal Result: Yes [□ No Add'I Phone #:	
linquished By:	Date: Rece	Received By:	dutal	@ensolum.c	не гваже provide Email address: Нит-сот, TMorrissey@ensolum.com, kthomason@ensolum.com	com, kthomason@ensolum.
		,	O T R	REMARKS: Incident: WARP 24004 506[6[1	
elivered By: (Circle One) mpler - UPS - Bus - Other:	Corrected Temp. CO. 3	Sample Condition Cool Infact Coel Infact	CHECKED BY: Tu	7500 S	dard	Bacteria (only) Sample Condition
FURM-000 K 3.2 10/07/21	† Cardinal cannot according to No	No No	To Con	Correction Francisco Arts	1	

† 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: Ensolum, LLC	ım, LLC		BILL TO		
Project Manager: \\u00e400	Jacoma Monissey		P.O. #:		ANALTSIS REQUEST
Address: 3122 National Parks Hwy	Parks Hwy		Company: XTO Energy Inc.	Inc	
	State: NM	Zip: 88220	Attn: Amy Ruth Collen Brown	Sound	
Phone #: 557 25 7	6'207 Fax #:		Address: 3104 E Green St	St	
Project #: 030 1558	318	Project Owner: XTO	City: Carlsbad		
Project Name: Shanahai Kaester	a Rosser 15-3 Fed 1051	HSC	State: NM Zip:88220		
Project Location: 32.	12367, -10397186				
Sampler Name: 165	wa Boxley		Fax #:		
FOR LAB USE ONLY	,	MATRIX	PRESERV. SAMPLING	LING	
Lab I.D. Sam	Sample I.D. Depth (feet)	G)RAB OR (C)OME CONTAINERS FROUNDWATER VASTEWATER OIL IIL	THER: CID/BASE: EE/COOL THER:	Chlorides TPH BTEX	
m	2 52.05	~	N (Ohlhy	IONO 80 XX	
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					2043
PLEASE NOTE: Liability and Damages, Can	dinal's liability and client's exclusive remedy	PLEASE NOTE: Liability and Damages, Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or bot shall be find and a find.			
service. In no event shall Cardinal be liable it affiliates or successors arising out of or relate Rellinguished By.	gence and any other cause whatsoever sha or incidental or consequental damages, incidental or consequental damages, incidental to the performance of services hereunder.	recovery of the standard process of negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, repartless of whether such claim is based upon any of the above stated reasons or otherwise. Relinquished By:	received by Cardinal within 30 days after c ss of use, or loss of profits incurred by clie based upon any of the above stated reasu	aud by the client for the applicable fler completion of the applicable y client, its subsidiaries, reasons or otherwise.	
Maller	10.22-	Received By:	1	esult: [Add'l Phone #:
Relinquished By:	Date:	Mullion	Markan	— @ensolum.com, TMorrissey@ensolum	@ensotum:com, TMorrissey@ensolum.com, kthomason@ensolum.com
Deliverador (Circle)	Time:			REMARKS: APP 2404 5061 Incident: NAP 2404 5061 Cost Center: 1800 35 [60]	
Sampler - UPS - Bus - Other	Observed Temp.	0.3	n CHECKED BY:	Standard	Bacteria (only) Sample Condition
Sampler - UPS - Bus - Other:	Corrected Temp.	Ses Pres	2		



October 25, 2024

DAVID MCINNIS
ENSOLUM
3122 NATIONAL PARKS HWY
CARLSBAD, NM 88220

RE: SHANGHAI ROOSTER 15-3 FED 105H

Enclosed are the results of analyses for samples received by the laboratory on 10/24/24 14:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab accred certif.html.

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

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

Wite Sough

Accreditation applies to public drinking water matrices.

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

Sincerely,

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

ENSOLUM DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/24/2024 Sampling Date: 10/22/2024

Reported: 10/25/2024 Sampling Type: Soil

Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact
Project Number: 03C1558315 Sample Received By: Tamara Oldaker

Applyand By 14

Project Location: XTO (32.12367-103.97186)

Sample ID: FS 32 4' (H246483-01)

DTEV 0021D

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/24/2024	ND	2.15	107	2.00	0.517	
Toluene*	<0.050	0.050	10/24/2024	ND	2.06	103	2.00	0.796	
Ethylbenzene*	<0.050	0.050	10/24/2024	ND	2.08	104	2.00	0.149	
Total Xylenes*	<0.150	0.150	10/24/2024	ND	6.18	103	6.00	0.0317	
Total BTEX	<0.300	0.300	10/24/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.9	% 71.5-13	4						
Chloride, SM4500CI-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	10/25/2024	ND	448	112	400	0.00	
TPH 8015M	mg,	/kg	Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/24/2024	ND	239	120	200	3.40	
DRO >C10-C28*	<10.0	10.0	10/24/2024	ND	220	110	200	1.50	
EXT DRO >C28-C36	<10.0	10.0	10/24/2024	ND					
Surrogate: 1-Chlorooctane	104	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

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Me Sough



Tamara Oldaker

Sample Received By:

Analytical Results For:

ENSOLUM DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/24/2024 Sampling Date: 10/22/2024

Reported: 10/25/2024 Sampling Type: Soil
Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact

Project Number: 03C1558315

Project Location: XTO (32.12367-103.97186)

Sample ID: FS 33 4' (H246483-02)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/24/2024	ND	2.15	107	2.00	0.517	
Toluene*	<0.050	0.050	10/24/2024	ND	2.06	103	2.00	0.796	
Ethylbenzene*	<0.050	0.050	10/24/2024	ND	2.08	104	2.00	0.149	
Total Xylenes*	<0.150	0.150	10/24/2024	ND	6.18	103	6.00	0.0317	
Total BTEX	<0.300	0.300	10/24/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.6	% 71.5-13-	4						
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	10/25/2024	ND	448	112	400	0.00	
TPH 8015M	mg	/kg	Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/24/2024	ND	239	120	200	3.40	
DRO >C10-C28*	<10.0	10.0	10/24/2024	ND	220	110	200	1.50	
EXT DRO >C28-C36	<10.0	10.0	10/24/2024	ND					
Surrogate: 1-Chlorooctane	96.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.5	% 49.1-14	8						

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Mile Sough



Analytical Results For:

ENSOLUM DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/24/2024 Sampling Date: 10/22/2024

Reported: 10/25/2024 Sampling Type: Soil

Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact
Project Number: 03C1558315 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: XTO (32.12367-103.97186)

mg/kg

Sample ID: FS 34 3' (H246483-03)

BTEX 8021B

DILX OUZID	iiig/	ng .	Allulyzo	u by. 511					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/24/2024	ND	2.15	107	2.00	0.517	
Toluene*	<0.050	0.050	10/24/2024	ND	2.06	103	2.00	0.796	
Ethylbenzene*	<0.050	0.050	10/24/2024	ND	2.08	104	2.00	0.149	
Total Xylenes*	<0.150	0.150	10/24/2024	ND	6.18	103	6.00	0.0317	
Total BTEX	<0.300	0.300	10/24/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.0	% 71.5-13	4						
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	10/25/2024	ND	448	112	400	0.00	
TPH 8015M	mg,	/kg	Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/24/2024	ND	239	120	200	3.40	
DRO >C10-C28*	<10.0	10.0	10/24/2024	ND	220	110	200	1.50	
EXT DRO >C28-C36	<10.0	10.0	10/24/2024	ND					
Surrogate: 1-Chlorooctane	103	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102	% 49.1-14	8						

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Mile Sough



Analytical Results For:

ENSOLUM DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/24/2024 Sampling Date: 10/22/2024

Reported: 10/25/2024 Sampling Type: Soil

Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact
Project Number: 03C1558315 Sample Received By: Tamara Oldaker

Analyzed By: 14

Project Location: XTO (32.12367-103.97186)

ma/ka

Sample ID: FS 35 3' (H246483-04)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/24/2024	ND	2.15	107	2.00	0.517	
Toluene*	<0.050	0.050	10/24/2024	ND	2.06	103	2.00	0.796	
Ethylbenzene*	<0.050	0.050	10/24/2024	ND	2.08	104	2.00	0.149	
Total Xylenes*	<0.150	0.150	10/24/2024	ND	6.18	103	6.00	0.0317	
Total BTEX	<0.300	0.300	10/24/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.5	% 71.5-13	4						
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	10/25/2024	ND	448	112	400	0.00	
TPH 8015M	mg	/kg	Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/24/2024	ND	239	120	200	3.40	
DRO >C10-C28*	<10.0	10.0	10/24/2024	ND	220	110	200	1.50	
EXT DRO >C28-C36	<10.0	10.0	10/24/2024	ND					
Surrogate: 1-Chlorooctane	119	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	115	% 49.1-14	8						

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Mile Sough



Analytical Results For:

ENSOLUM DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/24/2024 Sampling Date: 10/22/2024

Reported: 10/25/2024 Sampling Type: Soil

Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact
Project Number: 03C1558315 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: XTO (32.12367-103.97186)

mg/kg

Sample ID: FS 36 3' (H246483-05)

BTEX 8021B

	9,	9	7	7: :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/24/2024	ND	2.15	107	2.00	0.517	
Toluene*	<0.050	0.050	10/24/2024	ND	2.06	103	2.00	0.796	
Ethylbenzene*	<0.050	0.050	10/24/2024	ND	2.08	104	2.00	0.149	
Total Xylenes*	<0.150	0.150	10/24/2024	ND	6.18	103	6.00	0.0317	
Total BTEX	<0.300	0.300	10/24/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.7	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	10/25/2024	ND	448	112	400	0.00	
TPH 8015M	mg,	/kg	Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/24/2024	ND	239	120	200	3.40	
DRO >C10-C28*	<10.0	10.0	10/24/2024	ND	220	110	200	1.50	
EXT DRO >C28-C36	<10.0	10.0	10/24/2024	ND					
Surrogate: 1-Chlorooctane	108	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107	% 49.1-14	8						

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Analytical Results For:

ENSOLUM DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/24/2024 Sampling Date: 10/22/2024

Reported: 10/25/2024 Sampling Type: Soil

Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact
Project Number: 03C1558315 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: XTO (32.12367-103.97186)

mg/kg

Sample ID: FS 37 3' (H246483-06)

BTEX 8021B

DILX GOZID	mg/	ng .	Alldiyzo	.u by. 511					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/24/2024	ND	2.15	107	2.00	0.517	
Toluene*	<0.050	0.050	10/24/2024	ND	2.06	103	2.00	0.796	
Ethylbenzene*	<0.050	0.050	10/24/2024	ND	2.08	104	2.00	0.149	
Total Xylenes*	<0.150	0.150	10/24/2024	ND	6.18	103	6.00	0.0317	
Total BTEX	<0.300	0.300	10/24/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.1	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	10/25/2024	ND	448	112	400	0.00	
TPH 8015M	mg,	/kg	Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/24/2024	ND	239	120	200	3.40	
DRO >C10-C28*	<10.0	10.0	10/24/2024	ND	220	110	200	1.50	
EXT DRO >C28-C36	<10.0	10.0	10/24/2024	ND					
Surrogate: 1-Chlorooctane	104	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

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10/22/2024

Analytical Results For:

ENSOLUM DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/24/2024 Sampling Date:

Reported: 10/25/2024 Sampling Type: Soil

Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact
Project Number: 03C1558315 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: XTO (32.12367-103.97186)

mg/kg

Sample ID: FS 38 3' (H246483-07)

BTEX 8021B

	9/	9	7111411720						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/24/2024	ND	2.15	107	2.00	0.517	
Toluene*	<0.050	0.050	10/24/2024	ND	2.06	103	2.00	0.796	
Ethylbenzene*	<0.050	0.050	10/24/2024	ND	2.08	104	2.00	0.149	
Total Xylenes*	<0.150	0.150	10/24/2024	ND	6.18	103	6.00	0.0317	
Total BTEX	<0.300	0.300	10/24/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.9	% 71.5-13	4						
Chloride, SM4500CI-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	10/25/2024	ND	448	112	400	0.00	
TPH 8015M	mg	/kg	Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/24/2024	ND	239	120	200	3.40	
DRO >C10-C28*	<10.0	10.0	10/24/2024	ND	220	110	200	1.50	
EXT DRO >C28-C36	<10.0	10.0	10/24/2024	ND					
Surrogate: 1-Chlorooctane	113	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	108	% 49.1-14	8						

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Analytical Results For:

ENSOLUM DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/24/2024 Reported:

10/25/2024 Project Name: SHANGHAI ROOSTER 15-3 FED 105H

Project Number: 03C1558315

Project Location: XTO (32.12367-103.97186) Sampling Date: 10/22/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Sample ID: FS 39 3' (H246483-08)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/24/2024	ND	2.15	107	2.00	0.517	
Toluene*	< 0.050	0.050	10/24/2024	ND	2.06	103	2.00	0.796	
Ethylbenzene*	<0.050	0.050	10/24/2024	ND	2.08	104	2.00	0.149	
Total Xylenes*	<0.150	0.150	10/24/2024	ND	6.18	103	6.00	0.0317	
Total BTEX	<0.300	0.300	10/24/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.1	% 71.5-13	4						
Chloride, SM4500CI-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	10/25/2024	ND	448	112	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/24/2024	ND	239	120	200	3.40	
DRO >C10-C28*	<10.0	10.0	10/24/2024	ND	220	110	200	1.50	
EXT DRO >C28-C36	<10.0	10.0	10/24/2024	ND					
Surrogate: 1-Chlorooctane	109 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107 9	% 49.1-14	8						

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with Sigh



10/22/2024

Soil

Analytical Results For:

ENSOLUM DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/24/2024 Sampling Date: Reported: Sampling Type:

Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact Project Number: Sample Received By: Tamara Oldaker

03C1558315 Project Location: XTO (32.12367-103.97186)

10/25/2024

Sample ID: FS 40 3' (H246483-09)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/24/2024	ND	2.15	107	2.00	0.517	
Toluene*	<0.050	0.050	10/24/2024	ND	2.06	103	2.00	0.796	
Ethylbenzene*	<0.050	0.050	10/24/2024	ND	2.08	104	2.00	0.149	
Total Xylenes*	<0.150	0.150	10/24/2024	ND	6.18	103	6.00	0.0317	
Total BTEX	<0.300	0.300	10/24/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.7	% 71.5-13	4						
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	10/25/2024	ND	448	112	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/24/2024	ND	239	120	200	3.40	
DRO >C10-C28*	<10.0	10.0	10/24/2024	ND	220	110	200	1.50	
EXT DRO >C28-C36	<10.0	10.0	10/24/2024	ND					
Surrogate: 1-Chlorooctane	116	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	113	% 49.1-14	8						

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Analytical Results For:

ENSOLUM DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/24/2024 Sampling Date: 10/22/2024

Reported: 10/25/2024 Sampling Type: Soil

Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact
Project Number: 03C1558315 Sample Received By: Tamara Oldaker

Analyzed By: 14

Project Location: XTO (32.12367-103.97186)

ma/ka

Sample ID: FS 41 3' (H246483-10)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/24/2024	ND	2.15	107	2.00	0.517	
Toluene*	<0.050	0.050	10/24/2024	ND	2.06	103	2.00	0.796	
Ethylbenzene*	<0.050	0.050	10/24/2024	ND	2.08	104	2.00	0.149	
Total Xylenes*	<0.150	0.150	10/24/2024	ND	6.18	103	6.00	0.0317	
Total BTEX	<0.300	0.300	10/24/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.1	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/25/2024	ND	448	112	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/24/2024	ND	239	120	200	3.40	
DRO >C10-C28*	<10.0	10.0	10/24/2024	ND	220	110	200	1.50	
EXT DRO >C28-C36	<10.0	10.0	10/24/2024	ND					
Surrogate: 1-Chlorooctane	117	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	113	% 49.1-14	8						

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Analytical Results For:

ENSOLUM DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/24/2024 Reported:

Project Name: SHANGHAI ROOSTER 15-3 FED 105H

10/25/2024

Project Number: 03C1558315

Project Location: XTO (32.12367-103.97186) Sampling Date: 10/22/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Sample ID: FS 42 3' (H246483-11)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/24/2024	ND	2.15	107	2.00	0.517	
Toluene*	<0.050	0.050	10/24/2024	ND	2.06	103	2.00	0.796	
Ethylbenzene*	<0.050	0.050	10/24/2024	ND	2.08	104	2.00	0.149	
Total Xylenes*	<0.150	0.150	10/24/2024	ND	6.18	103	6.00	0.0317	
Total BTEX	<0.300	0.300	10/24/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.0	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	10/25/2024	ND	448	112	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/24/2024	ND	239	120	200	3.40	
DRO >C10-C28*	<10.0	10.0	10/24/2024	ND	220	110	200	1.50	
EXT DRO >C28-C36	<10.0	10.0	10/24/2024	ND					
Surrogate: 1-Chlorooctane	119 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	117 9	% 49.1-14	8						

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Analytical Results For:

ENSOLUM DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/24/2024 Reported: 10/25/2024

SHANGHAI ROOSTER 15-3 FED 105H

Project Number: 03C1558315

Project Location: XTO (32.12367-103.97186)

ma/ka

Sampling Date: 10/22/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS 43 3' (H246483-12)

Project Name:

RTFY 8021R

B1EX 8021B	mg/	кg	Allalyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/24/2024	ND	2.15	107	2.00	0.517	
Toluene*	<0.050	0.050	10/24/2024	ND	2.06	103	2.00	0.796	
Ethylbenzene*	<0.050	0.050	10/24/2024	ND	2.08	104	2.00	0.149	
Total Xylenes*	<0.150	0.150	10/24/2024	ND	6.18	103	6.00	0.0317	
Total BTEX	<0.300	0.300	10/24/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.4	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	10/25/2024	ND	448	112	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/24/2024	ND	239	120	200	3.40	
DRO >C10-C28*	<10.0	10.0	10/24/2024	ND	220	110	200	1.50	
EXT DRO >C28-C36	<10.0	10.0	10/24/2024	ND					
Surrogate: 1-Chlorooctane	100 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.4	% 49.1-14	8						

Analyzed By: 14

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Analytical Results For:

ENSOLUM DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/24/2024 Sampling Date: 10/23/2024

Reported: 10/25/2024 Sampling Type: Soil

Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact
Project Number: 03C1558315 Sample Received By: Tamara Oldaker

Analyzed By: 14

Project Location: XTO (32.12367-103.97186)

ma/ka

Sample ID: FS 44 1' (H246483-13)

RTFY 8021R

B1EX 8021B	mg,	кg	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/24/2024	ND	2.15	107	2.00	0.517	
Toluene*	<0.050	0.050	10/24/2024	ND	2.06	103	2.00	0.796	
Ethylbenzene*	<0.050	0.050	10/24/2024	ND	2.08	104	2.00	0.149	
Total Xylenes*	<0.150	0.150	10/24/2024	ND	6.18	103	6.00	0.0317	
Total BTEX	<0.300	0.300	10/24/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.1	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/25/2024	ND	448	112	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/25/2024	ND	239	120	200	3.40	
DRO >C10-C28*	<10.0	10.0	10/25/2024	ND	220	110	200	1.50	
EXT DRO >C28-C36	<10.0	10.0	10/25/2024	ND					
Surrogate: 1-Chlorooctane	115	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	110 9	% 49.1-14	8						

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Mile Sough



Analytical Results For:

ENSOLUM DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/24/2024 Reported: 10/25/2024

SHANGHAI ROOSTER 15-3 FED 105H

Project Number: 03C1558315

Project Location: XTO (32.12367-103.97186) Sampling Date: 10/23/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Sample ID: FS 45 1' (H246483-14)

Project Name:

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/24/2024	ND	2.15	107	2.00	0.517	
Toluene*	< 0.050	0.050	10/24/2024	ND	2.06	103	2.00	0.796	
Ethylbenzene*	<0.050	0.050	10/24/2024	ND	2.08	104	2.00	0.149	
Total Xylenes*	<0.150	0.150	10/24/2024	ND	6.18	103	6.00	0.0317	
Total BTEX	<0.300	0.300	10/24/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.5	% 71.5-13	4						
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	10/25/2024	ND	448	112	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/25/2024	ND	239	120	200	3.40	
DRO >C10-C28*	<10.0	10.0	10/25/2024	ND	220	110	200	1.50	
EXT DRO >C28-C36	<10.0	10.0	10/25/2024	ND					
Surrogate: 1-Chlorooctane	110 %	6 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102 9	6 49.1-14	8						

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wite South



Analytical Results For:

ENSOLUM DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/24/2024 Sampling Date: 10/23/2024

Reported: 10/25/2024 Sampling Type: Soil

Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact
Project Number: 03C1558315 Sample Received By: Tamara Oldaker

Project Location: XTO (32.12367-103.97186)

Sample ID: FS 46 1' (H246483-15)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/24/2024	ND	2.15	107	2.00	0.517	
Toluene*	<0.050	0.050	10/24/2024	ND	2.06	103	2.00	0.796	
Ethylbenzene*	<0.050	0.050	10/24/2024	ND	2.08	104	2.00	0.149	
Total Xylenes*	<0.150	0.150	10/24/2024	ND	6.18	103	6.00	0.0317	
Total BTEX	<0.300	0.300	10/24/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.0	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	10/25/2024	ND	448	112	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/25/2024	ND	239	120	200	3.40	
DRO >C10-C28*	<10.0	10.0	10/25/2024	ND	220	110	200	1.50	
EXT DRO >C28-C36	<10.0	10.0	10/25/2024	ND					
Surrogate: 1-Chlorooctane	115	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	109	% 49.1-14	8						

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Analytical Results For:

ENSOLUM DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/24/2024 Sampling Date: 10/23/2024

Reported: 10/25/2024 Sampling Type: Soil

Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact
Project Number: 03C1558315 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: XTO (32.12367-103.97186)

mg/kg

Sample ID: FS 47 1' (H246483-16)

BTEX 8021B

DILX GOZID	ıııg,	, kg	Allulyzo	u by. 511					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/24/2024	ND	2.15	107	2.00	0.517	
Toluene*	<0.050	0.050	10/24/2024	ND	2.06	103	2.00	0.796	
Ethylbenzene*	<0.050	0.050	10/24/2024	ND	2.08	104	2.00	0.149	
Total Xylenes*	<0.150	0.150	10/24/2024	ND	6.18	103	6.00	0.0317	
Total BTEX	<0.300	0.300	10/24/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.6	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	10/25/2024	ND	448	112	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/25/2024	ND	244	122	200	8.77	
DRO >C10-C28*	<10.0	10.0	10/25/2024	ND	210	105	200	7.57	
EXT DRO >C28-C36	<10.0	10.0	10/25/2024	ND					
Surrogate: 1-Chlorooctane	105	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102	% 49.1-14	8						

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Analytical Results For:

ENSOLUM DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/24/2024 Sampling Date: 10/23/2024

Reported: 10/25/2024 Sampling Type: Soil

Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact
Project Number: 03C1558315 Sample Received By: Tamara Oldaker

Analyzed By: 14

Project Location: XTO (32.12367-103.97186)

ma/ka

Sample ID: FS 48 1' (H246483-17)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/24/2024	ND	2.15	107	2.00	0.517	
Toluene*	<0.050	0.050	10/24/2024	ND	2.06	103	2.00	0.796	
Ethylbenzene*	<0.050	0.050	10/24/2024	ND	2.08	104	2.00	0.149	
Total Xylenes*	<0.150	0.150	10/24/2024	ND	6.18	103	6.00	0.0317	
Total BTEX	<0.300	0.300	10/24/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.5	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	10/25/2024	ND	448	112	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/25/2024	ND	244	122	200	8.77	
DRO >C10-C28*	<10.0	10.0	10/25/2024	ND	210	105	200	7.57	
EXT DRO >C28-C36	<10.0	10.0	10/25/2024	ND					
Surrogate: 1-Chlorooctane	112	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	112	% 49.1-14	8						

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Analytical Results For:

ENSOLUM DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/24/2024 Sampling Date: 10/23/2024

Reported: Sampling Type: Soil 10/25/2024

Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact Project Number: 03C1558315 Sample Received By: Tamara Oldaker

Project Location: XTO (32.12367-103.97186)

Sample ID: FS 49 1' (H246483-18)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/24/2024	ND	2.15	107	2.00	0.517	
Toluene*	<0.050	0.050	10/24/2024	ND	2.06	103	2.00	0.796	
Ethylbenzene*	<0.050	0.050	10/24/2024	ND	2.08	104	2.00	0.149	
Total Xylenes*	<0.150	0.150	10/24/2024	ND	6.18	103	6.00	0.0317	
Total BTEX	<0.300	0.300	10/24/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	10/25/2024	ND	448	112	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/25/2024	ND	244	122	200	8.77	
DRO >C10-C28*	<10.0	10.0	10/25/2024	ND	210	105	200	7.57	
EXT DRO >C28-C36	<10.0	10.0	10/25/2024	ND					
Surrogate: 1-Chlorooctane	107	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107	% 49.1-14	8						

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Analytical Results For:

ENSOLUM DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/24/2024 Reported: 10/25/2024

SHANGHAI ROOSTER 15-3 FED 105H

Project Number: 03C1558315

Project Location: XTO (32.12367-103.97186) Sampling Date: 10/23/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Sample ID: FS 50 2' (H246483-19)

Project Name:

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/24/2024	ND	2.15	107	2.00	0.517	
Toluene*	<0.050	0.050	10/24/2024	ND	2.06	103	2.00	0.796	
Ethylbenzene*	< 0.050	0.050	10/24/2024	ND	2.08	104	2.00	0.149	
Total Xylenes*	<0.150	0.150	10/24/2024	ND	6.18	103	6.00	0.0317	
Total BTEX	<0.300	0.300	10/24/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.4	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	10/25/2024	ND	432	108	400	3.64	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/25/2024	ND	244	122	200	8.77	
DRO >C10-C28*	<10.0	10.0	10/25/2024	ND	210	105	200	7.57	
EXT DRO >C28-C36	<10.0	10.0	10/25/2024	ND					
Surrogate: 1-Chlorooctane	112 %	6 48.2-13	4						
Surrogate: 1-Chlorooctadecane	110 %	6 49.1-14	8						

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Analytical Results For:

ENSOLUM
DAVID MCINNIS
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 10/24/2024 Sampling Date: 10/23/2024

Reported: 10/25/2024 Sampling Type: Soil

Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact
Project Number: 03C1558315 Sample Received By: Tamara Oldaker

Project Location: XTO (32.12367-103.97186)

Sample ID: FS 51 2' (H246483-20)

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	10/24/2024	ND	2.26	113	2.00	1.41	
Toluene*	<0.050	0.050	10/24/2024	ND	2.27	113	2.00	0.422	
Ethylbenzene*	<0.050	0.050	10/24/2024	ND	2.28	114	2.00	0.148	
Total Xylenes*	<0.150	0.150	10/24/2024	ND	7.09	118	6.00	0.0444	
Total BTEX	<0.300	0.300	10/24/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	10/25/2024	ND	432	108	400	3.64	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/25/2024	ND	244	122	200	8.77	
DRO >C10-C28*	<10.0	10.0	10/25/2024	ND	210	105	200	7.57	
EXT DRO >C28-C36	<10.0	10.0	10/25/2024	ND					
Surrogate: 1-Chlorooctane	91.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	88.5	% 49.1-14	8						

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Analytical Results For:

ENSOLUM DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/24/2024 Sampling Date: Reported: 10/25/2024 Sampling Type:

Project Name: SHANGHAI ROOSTER 15-3 FED 105H

ma/ka

Project Number: 03C1558315

Project Location: XTO (32.12367-103.97186)

Sampling Date: 10/23/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS 52 2' (H246483-21)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/24/2024	ND	2.26	113	2.00	1.41	
Toluene*	<0.050	0.050	10/24/2024	ND	2.27	113	2.00	0.422	
Ethylbenzene*	<0.050	0.050	10/24/2024	ND	2.28	114	2.00	0.148	
Total Xylenes*	<0.150	0.150	10/24/2024	ND	7.09	118	6.00	0.0444	
Total BTEX	<0.300	0.300	10/24/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	10/25/2024	ND	432	108	400	3.64	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/25/2024	ND	244	122	200	8.77	
DRO >C10-C28*	<10.0	10.0	10/25/2024	ND	210	105	200	7.57	
EXT DRO >C28-C36	<10.0	10.0	10/25/2024	ND					
Surrogate: 1-Chlorooctane	100	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.3	% 49.1-14	8						

Analyzed By: 14

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Analytical Results For:

ENSOLUM DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/24/2024 Sampling Date: 10/23/2024

Reported: 10/25/2024 Sampling Type: Soil

Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact
Project Number: 03C1558315 Sample Received By: Tamara Oldaker

Project Location: XTO (32.12367-103.97186)

Sample ID: FS 53 2' (H246483-22)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/24/2024	ND	2.26	113	2.00	1.41	
Toluene*	<0.050	0.050	10/24/2024	ND	2.27	113	2.00	0.422	
Ethylbenzene*	<0.050	0.050	10/24/2024	ND	2.28	114	2.00	0.148	
Total Xylenes*	<0.150	0.150	10/24/2024	ND	7.09	118	6.00	0.0444	
Total BTEX	<0.300	0.300	10/24/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/25/2024	ND	432	108	400	3.64	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/25/2024	ND	244	122	200	8.77	
DRO >C10-C28*	<10.0	10.0	10/25/2024	ND	210	105	200	7.57	
EXT DRO >C28-C36	<10.0	10.0	10/25/2024	ND					
Surrogate: 1-Chlorooctane	114	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	113	% 49.1-14	8						

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Analytical Results For:

ENSOLUM DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/24/2024 Sampling Date: 10/23/2024

Reported: 10/25/2024 Sampling Type: Soil

Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact
Project Number: 03C1558315 Sample Received By: Tamara Oldaker

Project Location: XTO (32.12367-103.97186)

Sample ID: FS 54 2' (H246483-23)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/24/2024	ND	2.26	113	2.00	1.41	
Toluene*	<0.050	0.050	10/24/2024	ND	2.27	113	2.00	0.422	
Ethylbenzene*	<0.050	0.050	10/24/2024	ND	2.28	114	2.00	0.148	
Total Xylenes*	<0.150	0.150	10/24/2024	ND	7.09	118	6.00	0.0444	
Total BTEX	<0.300	0.300	10/24/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	10/25/2024	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/25/2024	ND	244	122	200	8.77	
DRO >C10-C28*	<10.0	10.0	10/25/2024	ND	210	105	200	7.57	
EXT DRO >C28-C36	<10.0	10.0	10/25/2024	ND					
Surrogate: 1-Chlorooctane	110	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	108	% 49.1-14	8						

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Analytical Results For:

ENSOLUM DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/24/2024 Sampling Date: 10/23/2024

Reported: 10/25/2024 Sampling Type: Soil

Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact
Project Number: 03C1558315 Sample Received By: Tamara Oldaker

Project Location: XTO (32.12367-103.97186)

Sample ID: FS 55 2' (H246483-24)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/24/2024	ND	2.26	113	2.00	1.41	
Toluene*	<0.050	0.050	10/24/2024	ND	2.27	113	2.00	0.422	
Ethylbenzene*	<0.050	0.050	10/24/2024	ND	2.28	114	2.00	0.148	
Total Xylenes*	<0.150	0.150	10/24/2024	ND	7.09	118	6.00	0.0444	
Total BTEX	<0.300	0.300	10/24/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	10/25/2024	ND	432	108	400	3.64	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/25/2024	ND	244	122	200	8.77	
DRO >C10-C28*	<10.0	10.0	10/25/2024	ND	210	105	200	7.57	
EXT DRO >C28-C36	<10.0	10.0	10/25/2024	ND					
Surrogate: 1-Chlorooctane	112	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	109	% 49.1-14	8						

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Analytical Results For:

ENSOLUM DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/24/2024 Sampling Date: 10/23/2024

Reported: 10/25/2024 Sampling Type: Soil

Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact

Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact
Project Number: 03C1558315 Sample Received By: Tamara Oldaker

Project Location: XTO (32.12367-103.97186)

Sample ID: FS 56 2' (H246483-25)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/24/2024	ND	2.26	113	2.00	1.41	
Toluene*	<0.050	0.050	10/24/2024	ND	2.27	113	2.00	0.422	
Ethylbenzene*	<0.050	0.050	10/24/2024	ND	2.28	114	2.00	0.148	
Total Xylenes*	<0.150	0.150	10/24/2024	ND	7.09	118	6.00	0.0444	
Total BTEX	<0.300	0.300	10/24/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	10/25/2024	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/25/2024	ND	244	122	200	8.77	
DRO >C10-C28*	<10.0	10.0	10/25/2024	ND	210	105	200	7.57	
EXT DRO >C28-C36	<10.0	10.0	10/25/2024	ND					
Surrogate: 1-Chlorooctane	93.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.0	% 49.1-14	8						

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Analytical Results For:

ENSOLUM DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/24/2024 Sampling Date: 10/23/2024

Reported: 10/25/2024 Sampling Type: Soil

Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact
Project Number: 03C1558315 Sample Received By: Tamara Oldaker

Project Location: XTO (32.12367-103.97186)

Sample ID: FS 57 2' (H246483-26)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/24/2024	ND	2.26	113	2.00	1.41	
Toluene*	<0.050	0.050	10/24/2024	ND	2.27	113	2.00	0.422	
Ethylbenzene*	<0.050	0.050	10/24/2024	ND	2.28	114	2.00	0.148	
Total Xylenes*	<0.150	0.150	10/24/2024	ND	7.09	118	6.00	0.0444	
Total BTEX	<0.300	0.300	10/24/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	10/25/2024	ND	432	108	400	3.64	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/25/2024	ND	244	122	200	8.77	
DRO >C10-C28*	<10.0	10.0	10/25/2024	ND	210	105	200	7.57	
EXT DRO >C28-C36	<10.0	10.0	10/25/2024	ND					
Surrogate: 1-Chlorooctane	97.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.3	% 49.1-14	8						

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Analytical Results For:

ENSOLUM DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/24/2024 Sampling Date: 10/23/2024

Reported: Sampling Type: Soil 10/25/2024

Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact Project Number: Sample Received By: 03C1558315 Tamara Oldaker

Project Location: XTO (32.12367-103.97186)

Sample ID: FS 58 2' (H246483-27)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/24/2024	ND	2.26	113	2.00	1.41	
Toluene*	<0.050	0.050	10/24/2024	ND	2.27	113	2.00	0.422	
Ethylbenzene*	<0.050	0.050	10/24/2024	ND	2.28	114	2.00	0.148	
Total Xylenes*	<0.150	0.150	10/24/2024	ND	7.09	118	6.00	0.0444	
Total BTEX	<0.300	0.300	10/24/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 9	% 71.5-13	4						
Chloride, SM4500CI-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	10/25/2024	ND	432	108	400	3.64	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/25/2024	ND	244	122	200	8.77	
DRO >C10-C28*	<10.0	10.0	10/25/2024	ND	210	105	200	7.57	
EXT DRO >C28-C36	<10.0	10.0	10/25/2024	ND					
Surrogate: 1-Chlorooctane	105 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102 9	% 49.1-14	8						

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Analytical Results For:

ENSOLUM DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/24/2024 Sampling Date: 10/23/2024

Reported: 10/25/2024 Sampling Type: Soil
Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact

Project Number: 03C1558315 Sample Received By: Tamara Oldaker

Project Location: XTO (32.12367-103.97186)

Sample ID: FS 59 2' (H246483-28)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/24/2024	ND	2.26	113	2.00	1.41	
Toluene*	<0.050	0.050	10/24/2024	ND	2.27	113	2.00	0.422	
Ethylbenzene*	<0.050	0.050	10/24/2024	ND	2.28	114	2.00	0.148	
Total Xylenes*	<0.150	0.150	10/24/2024	ND	7.09	118	6.00	0.0444	
Total BTEX	<0.300	0.300	10/24/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	10/25/2024	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/25/2024	ND	244	122	200	8.77	
DRO >C10-C28*	<10.0	10.0	10/25/2024	ND	210	105	200	7.57	
EXT DRO >C28-C36	<10.0	10.0	10/25/2024	ND					
Surrogate: 1-Chlorooctane	103	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	100	% 49.1-14	8						

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Analytical Results For:

ENSOLUM DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/24/2024 Reported: 10/25/2024

SHANGHAI ROOSTER 15-3 FED 105H

Project Name: SHANGHAI R Project Number: 03C1558315

Project Location: XTO (32.12367-103.97186)

Sampling Date: 10/23/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS 60 2' (H246483-29)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/24/2024	ND	2.26	113	2.00	1.41	
Toluene*	<0.050	0.050	10/24/2024	ND	2.27	113	2.00	0.422	
Ethylbenzene*	<0.050	0.050	10/24/2024	ND	2.28	114	2.00	0.148	
Total Xylenes*	<0.150	0.150	10/24/2024	ND	7.09	118	6.00	0.0444	
Total BTEX	<0.300	0.300	10/24/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	10/25/2024	ND	432	108	400	3.64	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/25/2024	ND	244	122	200	8.77	
DRO >C10-C28*	<10.0	10.0	10/25/2024	ND	210	105	200	7.57	
EXT DRO >C28-C36	<10.0	10.0	10/25/2024	ND					
Surrogate: 1-Chlorooctane	110	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107	% 49.1-14	8						

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Analytical Results For:

ENSOLUM DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/24/2024 Sampling Date: 10/23/2024

Reported: Sampling Type: Soil 10/25/2024

Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact Project Number: Sample Received By: 03C1558315 Tamara Oldaker

Project Location: XTO (32.12367-103.97186)

Sample ID: FS 61 2' (H246483-30)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/24/2024	ND	2.26	113	2.00	1.41	
Toluene*	<0.050	0.050	10/24/2024	ND	2.27	113	2.00	0.422	
Ethylbenzene*	<0.050	0.050	10/24/2024	ND	2.28	114	2.00	0.148	
Total Xylenes*	<0.150	0.150	10/24/2024	ND	7.09	118	6.00	0.0444	
Total BTEX	<0.300	0.300	10/24/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 5	71.5-13	4						
Chloride, SM4500CI-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	10/25/2024	ND	432	108	400	3.64	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/25/2024	ND	244	122	200	8.77	
DRO >C10-C28*	<10.0	10.0	10/25/2024	ND	210	105	200	7.57	
EXT DRO >C28-C36	<10.0	10.0	10/25/2024	ND					
Surrogate: 1-Chlorooctane	113 9	6 48.2-13	4						
Surrogate: 1-Chlorooctadecane	111 9	6 49.1-14	8						

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with Sigh



Analytical Results For:

ENSOLUM
DAVID MCINNIS
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received: 10/24/2024 Sampling Date: 10/23/2024

Reported: 10/25/2024 Sampling Type: Soil

Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact
Project Number: 03C1558315 Sample Received By: Tamara Oldaker

Analyzed By: 14

Project Location: XTO (32.12367-103.97186)

ma/ka

Sample ID: FS 62 2' (H246483-31)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/24/2024	ND	2.26	113	2.00	1.41	
Toluene*	<0.050	0.050	10/24/2024	ND	2.27	113	2.00	0.422	
Ethylbenzene*	<0.050	0.050	10/24/2024	ND	2.28	114	2.00	0.148	
Total Xylenes*	<0.150	0.150	10/24/2024	ND	7.09	118	6.00	0.0444	
Total BTEX	<0.300	0.300	10/24/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
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	10/25/2024	ND	432	108	400	3.64	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/25/2024	ND	244	122	200	8.77	
DRO >C10-C28*	<10.0	10.0	10/25/2024	ND	210	105	200	7.57	
EXT DRO >C28-C36	<10.0	10.0	10/25/2024	ND					
Surrogate: 1-Chlorooctane	110	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	109	% 49.1-14	8						

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Mile Sough



Analytical Results For:

ENSOLUM DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/24/2024 Reported: 10/25/2024

SHANGHAI ROOSTER 15-3 FED 105H

Project Number: 03C1558315

Project Location: XTO (32.12367-103.97186)

Sampling Date: 10/23/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS 63 2' (H246483-32)

Project Name:

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/24/2024	ND	2.26	113	2.00	1.41	
Toluene*	<0.050	0.050	10/24/2024	ND	2.27	113	2.00	0.422	
Ethylbenzene*	<0.050	0.050	10/24/2024	ND	2.28	114	2.00	0.148	
Total Xylenes*	<0.150	0.150	10/24/2024	ND	7.09	118	6.00	0.0444	
Total BTEX	<0.300	0.300	10/24/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	10/25/2024	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/25/2024	ND	244	122	200	8.77	
DRO >C10-C28*	<10.0	10.0	10/25/2024	ND	210	105	200	7.57	
EXT DRO >C28-C36	<10.0	10.0	10/25/2024	ND					
Surrogate: 1-Chlorooctane	117	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	116	% 49.1-14	8						

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Mile Sough



Analytical Results For:

ENSOLUM DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/24/2024 Sampling Date: 10/23/2024

Reported: 10/25/2024 Sampling Type: Soil

Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact
Project Number: 03C1558315 Sample Received By: Tamara Oldaker

Project Location: XTO (32.12367-103.97186)

Sample ID: FS 64 2' (H246483-33)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/24/2024	ND	2.26	113	2.00	1.41	
Toluene*	<0.050	0.050	10/24/2024	ND	2.27	113	2.00	0.422	
Ethylbenzene*	<0.050	0.050	10/24/2024	ND	2.28	114	2.00	0.148	
Total Xylenes*	<0.150	0.150	10/24/2024	ND	7.09	118	6.00	0.0444	
Total BTEX	<0.300	0.300	10/24/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	10/25/2024	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/25/2024	ND	244	122	200	8.77	
DRO >C10-C28*	<10.0	10.0	10/25/2024	ND	210	105	200	7.57	
EXT DRO >C28-C36	<10.0	10.0	10/25/2024	ND					
Surrogate: 1-Chlorooctane	111 5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	110	% 49.1-14	8						

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Mile Sough



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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MA Sough

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

> Observed Temp. Time:

ô

Sample Condition

CHECKED BY: (Initials)

Standard Rush

Bacteria (only) Sample Condition
Cool Intact Observed Temp. °C

Yes Yes
No Corrected Temp. °C

Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240		TOTAL PROPERTY.
(3/3) 333-2320 1 700 (3/3) 373 - 11	BILL TO	ANALYSIS KEWUEST
Company Name: Ensolum, LLC	DILL 10	
Project Manager: Transchill Manager	P.O. #:	
הוספרי וומוושטיי ופררי אמר / יחייי	Company: XTO Energy Inc.	
Address: 3122 National Parks Hwy	Company, Are Energy	
	Attn: Anny Ruth-Colton Soul	
City: Carlsbad		
# 227 261 887 Fax #:	Address: 3104 E Green St	

	(313) 333-6360 (516)	010101		2011		ANALYSIS KEWUESI	
Company Name: Ensolum, LLC	Ensolum, LLC			DILL 10	-		
Project Manager: [ALO]MA	Tacoma Momssey	4		7.0. #	1		
Address: 3122 Na	Address: 3122 National Parks Hwy			Company: XIO Energy IIIC.	7		
City: Carlsbad		State: NM	Zip: 88220	Attn: Amy Kuth-Colton John	1041		
7	157 8207	Fax #:		Address: 3104 E Green St			
Project #: 0301568 315	564 315	Project Owner: XTO	: ХТО	ba			
Project Name: Shown how Doorsen	Muyhan Rooser 15-3	-3 Fed 10514		State: NM Zip:88220			
Project Location:	32,12367, -	-103.97186		Phone #:			
	1			Fax #:			
Sampler Name:	JOSIMOS JOSICH		MATRIX	PRESERV. SAMPLING	ING		
FOR LAB USE ONLY			R		es		
Lab I.D.	Sample I.D.	Depth (feet)	E)RAB OR (C)O CONTAINERS ROUNDWATE WASTEWATER FOIL DIL SLUDGE	OTHER: ACID/BASE: CE / COOL OTHER:	Chloride TPH BTEX		
Hortoro	222	I	- #	10/22/24 X	1015 XX		
W	£5023	ح			000		
W	F5034	3,			06.79		
4	55053				2002		1 5
U	62026				09/40		
16	la ord				9hb0		
Q	05030				200		7
a	64040				A B B B B B B B B B B B B B B B B B B B		
10	F5041	3%	C P	ract or tort, shall be limited to the amount pak			
PLEASE NOTE: Liability a analyses. All claims includ	nd Damages. Cardinal's liability and ing those for negligence and any oth	client's exclusive remedy to er cause whatsoever shall b	any claim arising wivevier books and any claim arising wivevier made in writing a deemed waived unless made in writing on without limitation, business interruption	PLEASE NOTE: Lability and Damages. Cardinal's liability and client's exclusive remoty for any vater arrang wearen are within and received by Cardinal within 30 days after completion of the applicable analyses. All caims including those for negligence and any other cause whatsoever shall be deemed waived unless made in whiting and received by Cardinal within 30 days after completion of the applicable analyses. All caims including those for negligence and any other cause whatsoever shall be deemed waived unless made in whiting and received by Cardinal within 30 days after completion of the applicable.	completion of the applicable ent, its subsidiaries,		
service. In no event shall of affiliates or successors aris	ervice. In no event shall Cardinal be liable for incidental or confiliates or successors arising out of or related to the performan	nsequental damages, incomes nee of services hereunder by Ca	Cardinal, regardless of whether such claim is ba	aim is based upon any of the above stated res	Verbal Result: ☐ Yes ☐ No Add'l Phone #:	o Add'I Phone #: provide Email address:	
Kelinquisiled by	Thull	18-24-24	printer of the state of the sta	Marke	-@ensolum.com;	gensolum.com, TMorrissey@ensolum.com, kthomason@ensolum.com	@ensolum.com
Polinguished By:	All. M	1445 Date:	Received By:	CHANNE OF	REMARKS: MARP THOOH SOUL		
Nellidalous	1	Time:		(Cost Center: 1900 33 1001	Condition	lision
						THE PARTY OF THE P	- CONTRACTOR OF THE PERSON OF

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

101 East Marland, Hobbs, NM 88240

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

(575) 303-2326	(575) 393-2326 FAX (575) 393-2476				
Company Name: Ensolum, LLC			BILL TO		ANALYSIS REQUEST
Project Manager: Talovia Mon	Morrissey		P.O. #:		
onal Parks			Company: XTO Energy Inc.	nc.	
City: Carlsbad	State: NM Z	Zip: 88220	Attn: Amy Ruth 6 ton brown	JAMA	
Phone #: 237 257 8307	Fax #:		Address: 3104 E Green St	St	
Project #: 0301556 315	Project Owner: XTO	KTO	City: Carlsbad		
Mar	15-3 Fed 100	10514	State: NM Zip:88220		
7	103,97186		Phone #:		
Toch	Pro Pro		Fax #:		
		MATRIX	PRESERV. SAMPLING	LING	
Lab I.D. Sample I.D.	Depth (feet)	E)RAB OR (C)OMP CONTAINERS ROUNDWATER ASTEWATER OIL IL LUDGE	CID/BASE: DE / COOL OTHER:	Chlonides TPH STEX	
C849 42H	1	— # G V ≥ S	10/m/2	XXX Sha	
12 [cours	w	X	X (0/2/pa	1260	
0	1	CIX	× (opyto)	0910	
Fro	_			04175	
00 051 61				2500	
12027	_			09,30	
18 CL 240	-			0935	
19 65050	2	-	14/1		
's liabili	and client's exclusive remedy for an	y claim arising whether based in contra	ct or tort, shall be limited to the amount pair and received by Cardinal within 30 days after	d by the client for the roompletion of the applicable	
service. In no event shall Cardinal be liable for incidental or affiliates or successors arising out of or related to the perform	r consequental damages, including rmance of services hereunder by Ca	without limitation, business menupaulis, was a rdinal, regardless of whether such claim is bat Received BV:	or consequential damages, including without innuation, business manupours, locations and the above stated reasons or otherwise. formance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.	Verbal Result: Yes No	vo Add'i Phone #:
Relinquished By:	D-24-24	Vereixer 2.		O O	mailed. Please provide Email address: @ensolum.com, thomason@ensolum.com
Relinquished By:	Date:	Received By:	and the	REMARKS: P 1400450611 Incident: WAR 1400450611	
Delivered By: (Circle One)	Observed Temp. °C	0,7 Sample Condition	ition CHECKED BY: (Initials)	ne:	Z B
Sampler - UPS - Bus - Other:	Corrected Temp. °C		2	Factor -0.546	C No No Corrected Temp. °C

Laboratories 101 East Marland, Hobbs, NM 882 (575) 393-2326 FAX (575) 393-24

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

10.01	010) 000 2020	10,000		BILL TO	ANA	ANALYSIS KEWUESI	-
Company Name: Ensolum, LLC	m, LLC			# P D #			
Project Manager: Toucomo Mar 1554	10 MAR 1220						
Address: 3122 National Parks Hwy	Parks Hwy			Company: XTO Energy Inc.	16.		
City: Carlsbad		State: NM Zi	Zip: 88220	Attn: Amy Ruth Collen St	Symp		
Phone #: 257 257	1928	Fax #:		Address: 3104 E Green St	54		
1558	3 5 Pr	Project Owner: XTO		City: Carlsbad			
	-	3 Fed 105		State: NM Zip:88220			
Floject Maine: 7 /2	1	0		Phone #:			
3	20101			Fax #:			
Sampler Name: Joshua	to spoken		MATRIX	PRESERV. SAMPLING	ING		
FOR LAB USE ONLY	,	OMB	R .		es L		
Lab I.D. Sam	Sample I.D.	et) of	(G)RAB OR (C)O # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER: ACID/BASE: ICE / COOL OTHER:	S Chloride S TPH S BTEX		
25023 15	25	2	C	X Notarion X	1100 X X X		
_	22	-			5		
45057 CE	72				1112		
34 65022	55				(40)		
-	956				1175		
36 150	1,5051				81)		
	450%				1136		
-	12054	+					
7	5060	4	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	M 10/23/24	INS A A A		-
PLEASE NOTE: Liability and Damages	es. Cardinal's liability and client's	exclusive remedy for any e whatsoever shall be de	y claim arising whether based in contract semed waived unless made in writing an	PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or for, shall be limited to the amount paid by the client or the applicance. Liability and Damages. Cardinal within 3 and client's exclusive remedy for any claim arising whether based in contract or for, shall be limited by the client or the applicance.	by the client for the completion of the applicable lent the subsidiaries.		
service. In no event shall Cardinal be liable for incidental or consequental damages, including without immanon, unsures and provide state of whether such claim is based up affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based up affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based up.	able for incidental or consequer related to the performance of s	ntal damages, including wervices hereunder by Car	rdinal, regardless of whether such claim	is based upon any of the above stated re-	Verbal Result: ☐ Yes ☐ No A	Add'l Phone #:	
ishe	1	Date: 74 24	Received by:	Della Had	a (D)	mailed. Please provide Email address: @ensolum.eom; TMorrissey@ensolum.com, kthomason@ensolum.com	ason@ensolum.co
Relinquished By:		Date:	Received By:	The second second	REMARKS: APP 24004 50611 Incident: W40075 1001		
Delivered By: (Circle One) Sampler - UPS - Bus - Ot	her:	Observed Temp. °C	0.7 Sample Condition Cool Intact Pres Pres	tion CHECKED BY: (Initials)	Turnaround Time: Standard Themometer ID #448 # 440 Correction Factor 485C - 6 (Cc.	Bacteria (only) Sample Condition Cool Intact Observed Temp. Yes Yes No Corrected Temp.	Observed Temp. °C Corrected Temp. °C

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

	(575) 393-2326 F	(575) 393-2326 FAX (575) 393-2476				ANALYSIS DECLIES	
company Name: Ensolum, LLC	18			BILL TO		ANALYSIS REQUEST	
roject Manager: Tacoma	Jacoma Morrisses	pay has		P.O. #:			
ddress: 3122 Na	Address: 3122 National Parks Hwy	,		Company: XTO Energy Inc.	nc.		
City: Carlsbad		State: NM Zi	Zip: 88220	Attn: Amy Ruth Colton (SOW)	MASS		
Phone #: 351	337 257 6307	Fax #:		Address: 3104 E Green St	St		
	0301558315	Project Owner: XTO	ТО	ba			
Project Name: Shawallan	Respect	15-3 Fed 105H		State: NM Zip:88220			
Project Location:	32, 12597.	-103.97186		Phone #:			
Sampler Name:	Joshua Boxlay			Fax #:	S S S S S S S S S S S S S S S S S S S		
FOR LAB USE ONLY	7	4D		PRESERV			
Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OM # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER: ACID/BASE: ICE / COOL OTHER:	× Chlorides × TPH		
37	F5062	N N	**	H2/EZ/01 A	1(5%		
Ou ()	K506H	4	X	kakeshi J	1		Spar
DI FACE NOTE: Liability a	or ease NOTE: Liability and Damages, Cardnal's liability and client's exclusive rem	nd client's exclusive remedy for any	claim arising whether based in contr	edy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the	d by the client for the recompletion of the applicable		
analyses. All claims includ service. In no event shall C	analyses. All claims including those for negligance and any other cause winasowine service. In no event shall Cardinal be liable for incidental or consequential damages, estimate or successors arising out of or related to the performance of services hereu.	onsequental damages, including to consequental damages, including to consequental damages, including to consequents and the consequence of services hereunder by Car	ithout limitation, business interruptional, regardless of whether such cla	analyses. All claims including those for negligance and any other clause winascore analyses. All claims including those for negligance and any other clause winascore analyses. All claims including those for negligance and any other claims, as substantial cardinal be liable for incidental or consequential demanges, including without limitation, business interruptions, loss of use, or loss of profits incurred by claims, as service, in no event shall Cardinal be liable for incidental or consequential demanges, including without limitation, business interruptions, loss of use, or loss of profits incurred by claims, as services and the consequential demander. In order to the consequential demander of the consequential demander of the consequential demander.	Jernt, its subsidiaries, asons or otherwise. Verbal Result:	Add'l Phone #:	
Relinquished By:	. "	Date: 24.24 10-24.24	Received by:	Make	0	mailed. Please provide Email address: @enso lum.com ; TMorrissey@ensolum.com, kthomason@ensolum.com	thomason@ensolum.com
Relinquished By:	Y.	Date:	Received By:	Call and I want	250		mple Condition
Delivered By: (Circle One)	Sircle One)	Observed Temp. °C		dition CHECKED BY:	Turnaround lime: Standard	Cool Intact	Observed Temp. °C
Sampler - UPS -	Bus - Other:	Corrected Temp. °C	1.3 Tyes Tyes	No Y	Correction Factor 0.5'6 -0.6C	No No	Corrected Temp. 'C
FURM-00	FURM-006 K 3.2 10/07/21	+ Cardinal co	annot accept verbal c	hanges. Please email cha	rdinal cannot accept verbal changes. Please email changes to celey.keene@cardinaliausiiiii.com	apsilli.com	



October 29, 2024

TACOMA MORRISSEY
ENSOLUM
3122 NATIONAL PARKS HWY
CARLSBAD, NM 88220

RE: SHANGHAI ROOSTER 15-3 FED 105H

Enclosed are the results of analyses for samples received by the laboratory on 10/28/24 12:02.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab accred certif.html.

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

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

Celey D. Keine

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/28/2024 Sampling Date: 10/25/2024

Reported: 10/29/2024 Sampling Type: Soil

Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact
Project Number: 03C1558315 Sample Received By: Alyssa Parras

Analyzed By: JH

Project Location: XTO (32.12367-103.97186)

mg/kg

Sample ID: FS 071 3' (H246534-01)

BTEX 8021B

BIEX GOEED	9/	9	Allaryzo	a 2 y . 3					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/28/2024	ND	2.16	108	2.00	3.27	
Toluene*	<0.050	0.050	10/28/2024	ND	2.10	105	2.00	2.10	
Ethylbenzene*	<0.050	0.050	10/28/2024	ND	2.11	106	2.00	0.934	
Total Xylenes*	<0.150	0.150	10/28/2024	ND	6.28	105	6.00	1.03	
Total BTEX	<0.300	0.300	10/28/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.1	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	10/29/2024	ND	480	120	400	3.39	
TPH 8015M	mg,	/kg	Analyze	ed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/28/2024	ND	240	120	200	0.175	
DRO >C10-C28*	<10.0	10.0	10/28/2024	ND	229	114	200	1.97	
EXT DRO >C28-C36	<10.0	10.0	10/28/2024	ND					
Surrogate: 1-Chlorooctane	80.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	70.9	% 49.1-14	8						

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Sample Received By:

10/25/2024

Alyssa Parras

Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/28/2024 Sampling Date:

Reported: 10/29/2024 Sampling Type: Soil
Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact

Project Number: 03C1558315

Project Location: XTO (32.12367-103.97186)

ma/ka

Sample ID: FS 072 2' (H246534-02)

RTFY 8021R

Result <0.050 <0.050	Reporting Limit 0.050 0.050	Analyzed 10/28/2024	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<0.050		10/28/2024						Quac.
	0.000		ND	2.16	108	2.00	3.27	
	0.050	10/28/2024	ND	2.10	105	2.00	2.10	
< 0.050	0.050	10/28/2024	ND	2.11	106	2.00	0.934	
<0.150	0.150	10/28/2024	ND	6.28	105	6.00	1.03	
<0.300	0.300	10/28/2024	ND					
98.3	% 71.5-13	4						
mg/	'kg	Analyze	d By: AC					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
48.0	16.0	10/29/2024	ND	480	120	400	3.39	
mg/	/kg	Analyze	d By: ms					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<10.0	10.0	10/28/2024	ND	240	120	200	0.175	
<10.0	10.0	10/28/2024	ND	229	114	200	1.97	
<10.0	10.0	10/28/2024	ND					
98.9	% 48.2-13	4						
91.3	% 49.1-14	8						
	<0.300 98.3 mg/ Result 48.0 mg/ Result <10.0 <10.0 98.9	<0.150 0.150 <0.300 0.300 98.3	<0.150	<0.150 10/28/2024 ND 98.3 % 71.5-134 Method Blank Result Reporting Limit Analyzed Wethod Blank 48.0 16.0 10/29/2024 ND Method Blank Result Reporting Limit Analyzed Wethod Blank <10.0 10.0 10/28/2024 ND	<0.150	<0.150	<0.150 0.150 10/28/2024 ND 6.28 105 6.00 98.3 ⅓ 71.5-134 Megy Img Megy Img	<0.150

Applyzod By: 14

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Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/28/2024 Sampling Date: 10/25/2024

Reported: 10/29/2024 Sampling Type: Soil

Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact
Project Number: 03C1558315 Sample Received By: Alyssa Parras

Applyzod By: 14

Project Location: XTO (32.12367-103.97186)

ma/ka

Sample ID: FS 073 2' (H246534-03)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/28/2024	ND	2.16	108	2.00	3.27	
Toluene*	<0.050	0.050	10/28/2024	ND	2.10	105	2.00	2.10	
Ethylbenzene*	<0.050	0.050	10/28/2024	ND	2.11	106	2.00	0.934	
Total Xylenes*	<0.150	0.150	10/28/2024	ND	6.28	105	6.00	1.03	
Total BTEX	<0.300	0.300	10/28/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.5	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	10/29/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/28/2024	ND	240	120	200	0.175	
DRO >C10-C28*	<10.0	10.0	10/28/2024	ND	229	114	200	1.97	
EXT DRO >C28-C36	<10.0	10.0	10/28/2024	ND					
Surrogate: 1-Chlorooctane	102	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.6	% 49.1-14	8						

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Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/28/2024 Sampling Date: 10/25/2024

Reported: Sampling Type: Soil 10/29/2024

Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact Project Number: 03C1558315 Sample Received By: Alyssa Parras

Project Location: XTO (32.12367-103.97186)

Sample ID: FS 074 2' (H246534-04)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/28/2024	ND	2.16	108	2.00	3.27	
Toluene*	<0.050	0.050	10/28/2024	ND	2.10	105	2.00	2.10	
Ethylbenzene*	<0.050	0.050	10/28/2024	ND	2.11	106	2.00	0.934	
Total Xylenes*	<0.150	0.150	10/28/2024	ND	6.28	105	6.00	1.03	
Total BTEX	<0.300	0.300	10/28/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.1	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1020	16.0	10/29/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/28/2024	ND	240	120	200	0.175	
DRO >C10-C28*	64.1	10.0	10/28/2024	ND	229	114	200	1.97	
EXT DRO >C28-C36	<10.0	10.0	10/28/2024	ND					
Surrogate: 1-Chlorooctane	91.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.3	% 49.1-14	8						

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Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/28/2024 Sampling Date: 10/25/2024

Reported: 10/29/2024 Sampling Type: Soil

Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact
Project Number: 03C1558315 Sample Received By: Alyssa Parras

Applyzod By: 14

Project Location: XTO (32.12367-103.97186)

ma/ka

Sample ID: FS 075 2' (H246534-05)

RTFY 8021R

B1EX 8021B	mg/	кg	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/28/2024	ND	2.16	108	2.00	3.27	
Toluene*	<0.050	0.050	10/28/2024	ND	2.10	105	2.00	2.10	
Ethylbenzene*	<0.050	0.050	10/28/2024	ND	2.11	106	2.00	0.934	
Total Xylenes*	<0.150	0.150	10/28/2024	ND	6.28	105	6.00	1.03	
Total BTEX	<0.300	0.300	10/28/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.6	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1380	16.0	10/29/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/28/2024	ND	240	120	200	0.175	
DRO >C10-C28*	66.2	10.0	10/28/2024	ND	229	114	200	1.97	
EXT DRO >C28-C36	<10.0	10.0	10/28/2024	ND					
Surrogate: 1-Chlorooctane	89.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	85.5	% 49.1-14	8						

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Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/28/2024 Sampling Date: 10/25/2024

Reported: 10/29/2024 Sampling Type: Soil

Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact
Project Number: 03C1558315 Sample Received By: Alyssa Parras

Analyzed By: JH

Project Location: XTO (32.12367-103.97186)

mg/kg

Sample ID: FS 076 2' (H246534-06)

BTEX 8021B

DILX GOZID	mg/	- Kg	Allulyzo	.u Dy. 311					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/28/2024	ND	2.16	108	2.00	3.27	
Toluene*	<0.050	0.050	10/28/2024	ND	2.10	105	2.00	2.10	
Ethylbenzene*	<0.050	0.050	10/28/2024	ND	2.11	106	2.00	0.934	
Total Xylenes*	<0.150	0.150	10/28/2024	ND	6.28	105	6.00	1.03	
Total BTEX	<0.300	0.300	10/28/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.4	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1300	16.0	10/29/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/28/2024	ND	240	120	200	0.175	
DRO >C10-C28*	43.7	10.0	10/28/2024	ND	229	114	200	1.97	
EXT DRO >C28-C36	<10.0	10.0	10/28/2024	ND					
Surrogate: 1-Chlorooctane	94.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.6	% 49.1-14	8						

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Sample Received By:

10/25/2024

Alyssa Parras

Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/28/2024 Sampling Date:

Reported: Sampling Type: Soil 10/29/2024 Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact

Project Number: 03C1558315

Project Location: XTO (32.12367-103.97186)

Sample ID: FS 077 2' (H246534-07)

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	10/28/2024	ND	2.16	108	2.00	3.27	
Toluene*	<0.050	0.050	10/28/2024	ND	2.10	105	2.00	2.10	
Ethylbenzene*	<0.050	0.050	10/28/2024	ND	2.11	106	2.00	0.934	
Total Xylenes*	<0.150	0.150	10/28/2024	ND	6.28	105	6.00	1.03	
Total BTEX	<0.300	0.300	10/28/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.2	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1010	16.0	10/29/2024	ND	432	108	400	0.00	

Chioride, 314-300CI-B	ilig	, kg	Analyzed by. The						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1010	16.0	10/29/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/28/2024	ND	240	120	200	0.175	
DRO >C10-C28*	63.4	10.0	10/28/2024	ND	229	114	200	1.97	
EXT DRO >C28-C36	<10.0	10.0	10/28/2024	ND					

Surrogate: 1-Chlorooctane 92.2 % 48.2-134 Surrogate: 1-Chlorooctadecane 89.9 % 49.1-148

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Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/28/2024

Reported: 10/29/2024 Project Name: SHANGHAI ROOSTER 15-3 FED 105H

Project Number: 03C1558315

Project Location: XTO (32.12367-103.97186) Sampling Date: 10/25/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By:

Alyssa Parras

Sample ID: FS 078 2' (H246534-08)

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	10/28/2024	ND	2.16	108	2.00	3.27	
Toluene*	<0.050	0.050	10/28/2024	ND	2.10	105	2.00	2.10	
Ethylbenzene*	<0.050	0.050	10/28/2024	ND	2.11	106	2.00	0.934	
Total Xylenes*	<0.150	0.150	10/28/2024	ND	6.28	105	6.00	1.03	
Total BTEX	<0.300	0.300	10/28/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.1	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	'kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	992	16.0	10/29/2024	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	10/29/2024	ND	240	120	200	0.175	
DRO >C10-C28*	67.0	10.0	10/29/2024	ND	229	114	200	1.97	
EXT DRO >C28-C36	<10.0	10.0	10/29/2024	ND					
Surrogate: 1-Chlorooctane	94.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.0	% 49.1-14	8						

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Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/28/2024 Sampling Date: 10/25/2024

Reported: Sampling Type: Soil 10/29/2024

Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact Project Number: 03C1558315 Sample Received By: Alyssa Parras

Project Location: XTO (32.12367-103.97186)

Sample ID: FS 079 2' (H246534-09)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/28/2024	ND	2.16	108	2.00	3.27	
Toluene*	<0.050	0.050	10/28/2024	ND	2.10	105	2.00	2.10	
Ethylbenzene*	<0.050	0.050	10/28/2024	ND	2.11	106	2.00	0.934	
Total Xylenes*	<0.150	0.150	10/28/2024	ND	6.28	105	6.00	1.03	
Total BTEX	<0.300	0.300	10/28/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.0	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1150	16.0	10/29/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/29/2024	ND	240	120	200	0.175	
DRO >C10-C28*	26.6	10.0	10/29/2024	ND	229	114	200	1.97	
EXT DRO >C28-C36	<10.0	10.0	10/29/2024	ND					
Surrogate: 1-Chlorooctane	89.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	85.3	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/28/2024 Sampling Date: Reported:

Project Name: SHANGHAI ROOSTER 15-3 FED 105H

mg/kg

10/29/2024

Project Number: 03C1558315

Project Location: XTO (32.12367-103.97186) 10/25/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact Alyssa Parras Sample Received By:

Sample ID: FS 01 2' (H246534-10)

BTEX 8021B

	<u> </u>			• •					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/28/2024	ND	2.16	108	2.00	3.27	
Toluene*	<0.050	0.050	10/28/2024	ND	2.10	105	2.00	2.10	
Ethylbenzene*	<0.050	0.050	10/28/2024	ND	2.11	106	2.00	0.934	
Total Xylenes*	<0.150	0.150	10/28/2024	ND	6.28	105	6.00	1.03	
Total BTEX	<0.300	0.300	10/28/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.3	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	ed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	10/29/2024	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/29/2024	ND	240	120	200	0.175	
DRO >C10-C28*	102	10.0	10/29/2024	ND	229	114	200	1.97	
EXT DRO >C28-C36	<10.0	10.0	10/29/2024	ND					
Surrogate: 1-Chlorooctane	100	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.8	% 49.1-14	8						

Analyzed By: JH

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Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/28/2024 Reported:

Sampling Date:

10/25/2024

10/29/2024

Sampling Type:

Soil

Project Name:

BTEX 8021B

SHANGHAI ROOSTER 15-3 FED 105H

Sampling Condition: Sample Received By: Cool & Intact Alyssa Parras

Project Number: Project Location: 03C1558315

mg/kg

XTO (32.12367-103.97186)

Sample ID: FS 065 2' (H246534-11)

	9/	9	7	w = y : 5 : :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/28/2024	ND	2.16	108	2.00	3.27	
Toluene*	<0.050	0.050	10/28/2024	ND	2.10	105	2.00	2.10	
Ethylbenzene*	<0.050	0.050	10/28/2024	ND	2.11	106	2.00	0.934	
Total Xylenes*	<0.150	0.150	10/28/2024	ND	6.28	105	6.00	1.03	
Total BTEX	<0.300	0.300	10/28/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.7	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	10/29/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/28/2024	ND	233	116	200	6.62	
DRO >C10-C28*	<10.0	10.0	10/28/2024	ND	243	122	200	0.604	
EXT DRO >C28-C36	<10.0	10.0	10/28/2024	ND					
Surrogate: 1-Chlorooctane	88.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.9	% 49.1-14	8						

Analyzed By: JH

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Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/28/2024

Sampling Date: 10/25/2024

Reported: 10/29/2024
Project Name: SHANGHAI ROOSTER 15-3 FED 105H

Sampling Type: Soil

Project Number: 03C1558315

Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Project Location: XTO (32.12367-103.97186)

mg/kg

Sample ID: FS 066 2' (H246534-12)

BTEX 8021B

	<u> </u>			• •					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/28/2024	ND	2.16	108	2.00	3.27	
Toluene*	<0.050	0.050	10/28/2024	ND	2.10	105	2.00	2.10	
Ethylbenzene*	<0.050	0.050	10/28/2024	ND	2.11	106	2.00	0.934	
Total Xylenes*	<0.150	0.150	10/28/2024	ND	6.28	105	6.00	1.03	
Total BTEX	<0.300	0.300	10/28/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.5	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/29/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/28/2024	ND	233	116	200	6.62	
DRO >C10-C28*	<10.0	10.0	10/28/2024	ND	243	122	200	0.604	
EXT DRO >C28-C36	<10.0	10.0	10/28/2024	ND					
Surrogate: 1-Chlorooctane	106	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	106	% 49.1-14	8						

Analyzed By: JH

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Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/28/2024

Sampling Date: 10/25/2024

Reported: 10/29/2024 Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Type: Soil

Project Number: 03C1558315

Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Project Location: XTO (32.12367-103.97186)

mg/kg

Sample ID: FS 067 2' (H246534-13)

BTEX 8021B

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/28/2024	ND	2.16	108	2.00	3.27	
Toluene*	<0.050	0.050	10/28/2024	ND	2.10	105	2.00	2.10	
Ethylbenzene*	<0.050	0.050	10/28/2024	ND	2.11	106	2.00	0.934	
Total Xylenes*	<0.150	0.150	10/28/2024	ND	6.28	105	6.00	1.03	
Total BTEX	<0.300	0.300	10/28/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.3	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/29/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/28/2024	ND	233	116	200	6.62	
DRO >C10-C28*	<10.0	10.0	10/28/2024	ND	243	122	200	0.604	
EXT DRO >C28-C36	<10.0	10.0	10/28/2024	ND					
Surrogate: 1-Chlorooctane	92.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.0	% 49.1-14	8						

Analyzed By: JH

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Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/28/2024 Reported: 10/29/2024 Sampling Date: 10/25/2024 Sampling Type:

Project Name:

SHANGHAI ROOSTER 15-3 FED 105H

Soil

Project Number:

BTEX 8021B

03C1558315

mg/kg

Sampling Condition: Cool & Intact Sample Received By: Alyssa Parras

Project Location: XTO (32.12367-103.97186)

Sample ID: FS 068 2' (H246534-14)

				<u> </u>					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/28/2024	ND	2.16	108	2.00	3.27	
Toluene*	<0.050	0.050	10/28/2024	ND	2.10	105	2.00	2.10	
Ethylbenzene*	<0.050	0.050	10/28/2024	ND	2.11	106	2.00	0.934	
Total Xylenes*	<0.150	0.150	10/28/2024	ND	6.28	105	6.00	1.03	
Total BTEX	<0.300	0.300	10/28/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.7	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	10/29/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/28/2024	ND	233	116	200	6.62	
DRO >C10-C28*	<10.0	10.0	10/28/2024	ND	243	122	200	0.604	
EXT DRO >C28-C36	<10.0	10.0	10/28/2024	ND					
Surrogate: 1-Chlorooctane	104	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104	% 49.1-14	8						

Analyzed By: JH

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Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/28/2024 Sampling Date: 10/25/2024

Reported: 10/29/2024 Sampling Type: Soil

Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact
Project Number: 03C1558315 Sample Received By: Alyssa Parras

Analyzed By: JH

Project Location: XTO (32.12367-103.97186)

mg/kg

Sample ID: FS 069 4' (H246534-15)

BTEX 8021B

	9/	9	7	w = y : 5 : :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/28/2024	ND	2.16	108	2.00	3.27	
Toluene*	<0.050	0.050	10/28/2024	ND	2.10	105	2.00	2.10	
Ethylbenzene*	<0.050	0.050	10/28/2024	ND	2.11	106	2.00	0.934	
Total Xylenes*	<0.150	0.150	10/28/2024	ND	6.28	105	6.00	1.03	
Total BTEX	<0.300	0.300	10/28/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.1	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/29/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/28/2024	ND	233	116	200	6.62	
DRO >C10-C28*	<10.0	10.0	10/28/2024	ND	243	122	200	0.604	
EXT DRO >C28-C36	<10.0	10.0	10/28/2024	ND					
Surrogate: 1-Chlorooctane	94.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.0	% 49.1-14	8						

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Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/28/2024 Sampling Date: 10/25/2024

Reported: 10/29/2024 Sampling Type: Soil

Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact
Project Number: 03C1558315 Sample Received By: Alyssa Parras

Analyzed By: JH

Project Location: XTO (32.12367-103.97186)

mg/kg

Sample ID: FS 070 4' (H246534-16)

BTEX 8021B

	9/	9	7	w = y : 5 : :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/28/2024	ND	2.16	108	2.00	3.27	
Toluene*	<0.050	0.050	10/28/2024	ND	2.10	105	2.00	2.10	
Ethylbenzene*	<0.050	0.050	10/28/2024	ND	2.11	106	2.00	0.934	
Total Xylenes*	<0.150	0.150	10/28/2024	ND	6.28	105	6.00	1.03	
Total BTEX	<0.300	0.300	10/28/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.8	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/29/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/28/2024	ND	233	116	200	6.62	
DRO >C10-C28*	<10.0	10.0	10/28/2024	ND	243	122	200	0.604	
EXT DRO >C28-C36	<10.0	10.0	10/28/2024	ND					
Surrogate: 1-Chlorooctane	111 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	112 9	% 49.1-14	8						

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Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

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

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

	1010100000000	2000 10101000	21.0													
Company Name	Company Name: Ensolum, LLC				BIL	BILL TO					ANA	ANALYSIS		REQUEST	7	
Project Manager:	Tawma Novissey	ney			P.O. #:				_							
Address: 3122	Address: 3122 National Parks Hwy				Company: XTO Energy Inc.	O Energy in	ç	_	_					_		_
City: Carlsbad		State: NM	Zip:	Zip: 88220	Attn: Amy Ruth Collen		Ban	_	_	_						
Phone #: 33	7 257 850 7	Fax #:			Address: 3104 E Green St	4 E Green S		_	_		_					_
	512,355120	Project Owner: XTO	:: XTC	0	City: Carlsbad	a		_								
=	Shariahai Rougton	2	HS		State: NM	Zip:88220		_								
Project Location:	7921178 in	10597186			Phone #:			,	_							
Sampler Name:	Joshua Bedler	-			Fax #:			1	_							
FOR LAB USE ONLY			P.	MATRIX	PRESERV.	SAMPLING	Ц	de	/	X						
Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMF	# CONTAINERS GROUNDWATER WASTEWATER SOIL OIL	SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER:	DATE	TIME	Chlor	TPH	1916						
-	1282	S		×	X	10:25:24 10	(00)	20	0	-ŏ						
E	65072	n				ia	gho									
W	F5075					10	570									
۲	F874						1050									
2	45075					-	550		-		T	T				
C	F5076						1780		-			T				
7	F5077					1	1135									
8	456148					-	196		-							
P	Rota	2	-			- 1	Shill				-	T				
1)	FSOI	2	0	_	_	10.252M 10	1020	K	A		H	r				
PLEASE NOTE: Liability analyses. All claims incluses service. In no event shall of	e fo	d client's exclusive remedy for a ther cause whatsoever shall be consequental damages, including	iny claim deemed g without	arising whether based in con waived unless made in writin limitation, business interrupts	seed in contract or tort, shall be limited to the amount pa do in writing and received by Cardinal within 30 days afth sinterruptions, loss of use, or loss of profits incurred by their such claim is beand represent any of the above stated to	the amount paid by thin 30 days after corples incurred by client the shows stated reasons.	by the client for the completion of the a ent, its subsidieries ons or otherwise.	applicable								
Relinquished By	W	Date:		Received By:	S .	_	Verbal Result: ☐ Yes ☐ No Add'I Phone #: All Results are emailed. Please provide Email address:	are ema	☐ Yes ailed. Ple	lease prov	Add'	Add'l Phone #: ide Email addre: orrissey@ensolı	#: dress: solum.c	om, kth	☐ Yes ☐ No ☐Add'l Phone #: ailed. Please provide Email address: bensolum.com, kthomason@ensolum.com	olum.com
Relinquished By:	, As	Date:	Rec	Received By:		0 7 7	REMARKS: Incident: (// Cost Center:	\$ 2	24a4506	24/04/5061						
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Circle One) Bus - Other:	Corrected Temp. "C. 7"	200	-0 %	ryes CHECKED BY:		Turnaround Time: Thermometer ID #4	Time:	me: St	Standard	NO.	Cool UY6	Bacteria (only) Cool Intact ☐Yes ☐ Yes	CO	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C Yes Yes	ဂိ
Sampler - UPS -	Bus - Other:	Carracted lamp. C	2.8	TYes Yes	Yes	9	ermometer	b Z	1000	1	1				Corrected Temp	ก็

† 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



October 30, 2024

DAVID MCINNIS
ENSOLUM
3122 NATIONAL PARKS HWY
CARLSBAD, NM 88220

RE: SHANGHAI ROOSTER 15-3 FED 105H

Enclosed are the results of analyses for samples received by the laboratory on 10/29/24 13:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab accred certif.html.

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

ENSOLUM DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/29/2024 Sampling Date: 10/28/2024

Reported: 10/30/2024 Sampling Type: Soil

Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact
Project Number: 03C1558315 Sample Received By: Alyssa Parras

Applyand By 14

Project Location: XTO (32.12367-103.97186)

Sample ID: FS 080 2 (H246565-01)

DTEV 0021D

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/29/2024	ND	2.21	111	2.00	6.09	
Toluene*	<0.050	0.050	10/29/2024	ND	2.13	106	2.00	5.19	
Ethylbenzene*	<0.050	0.050	10/29/2024	ND	2.13	106	2.00	4.35	
Total Xylenes*	<0.150	0.150	10/29/2024	ND	6.32	105	6.00	4.40	
Total BTEX	<0.300	0.300	10/29/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.7 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	10/30/2024	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/29/2024	ND	203	102	200	3.98	
DRO >C10-C28*	<10.0	10.0	10/29/2024	ND	211	105	200	2.17	
EXT DRO >C28-C36	<10.0	10.0	10/29/2024	ND					
Surrogate: 1-Chlorooctane	95.3 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.3 9	% 49.1 - 14	8						

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Celey D. Keene



Analytical Results For:

ENSOLUM DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/29/2024 Sampling Date: 10/28/2024

Reported: 10/30/2024 Sampling Type: Soil

Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact
Project Number: 03C1558315 Sample Received By: Alyssa Parras

Analyzed By: JH

Project Location: XTO (32.12367-103.97186)

mg/kg

Sample ID: FS 081 2 (H246565-02)

BTEX 8021B

	9,	9	7	7: :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/29/2024	ND	2.21	111	2.00	6.09	
Toluene*	<0.050	0.050	10/29/2024	ND	2.13	106	2.00	5.19	
Ethylbenzene*	<0.050	0.050	10/29/2024	ND	2.13	106	2.00	4.35	
Total Xylenes*	<0.150	0.150	10/29/2024	ND	6.32	105	6.00	4.40	
Total BTEX	<0.300	0.300	10/29/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.0	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	10/30/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/29/2024	ND	203	102	200	3.98	
DRO >C10-C28*	<10.0	10.0	10/29/2024	ND	211	105	200	2.17	
EXT DRO >C28-C36	<10.0	10.0	10/29/2024	ND					
Surrogate: 1-Chlorooctane	98.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.8	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

ENSOLUM DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/29/2024 Sampling Date: 10/28/2024

Reported: 10/30/2024 Sampling Type: Soil

Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact
Project Number: 03C1558315 Sample Received By: Alyssa Parras

Analyzed By: JH

Project Location: XTO (32.12367-103.97186)

mg/kg

Sample ID: FS 082 2 (H246565-03)

BTEX 8021B

DILX GOZID	11197	, kg	Alldiyzo	a by. 511					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/29/2024	ND	2.21	111	2.00	6.09	
Toluene*	<0.050	0.050	10/29/2024	ND	2.13	106	2.00	5.19	
Ethylbenzene*	<0.050	0.050	10/29/2024	ND	2.13	106	2.00	4.35	
Total Xylenes*	<0.150	0.150	10/29/2024	ND	6.32	105	6.00	4.40	
Total BTEX	<0.300	0.300	10/29/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.7	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/30/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/29/2024	ND	203	102	200	3.98	
DRO >C10-C28*	<10.0	10.0	10/29/2024	ND	211	105	200	2.17	
EXT DRO >C28-C36	<10.0	10.0	10/29/2024	ND					
Surrogate: 1-Chlorooctane	94.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.1	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

ENSOLUM DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/29/2024 Reported:

10/30/2024 SHANGHAI ROOSTER 15-3 FED 105H

Project Name: Project Number: 03C1558315

Project Location: XTO (32.12367-103.97186)

ma/ka

Sampling Date: 10/28/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By:

Alyssa Parras

Sample ID: FS 083 2 (H246565-04)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/29/2024	ND	2.21	111	2.00	6.09	
Toluene*	<0.050	0.050	10/29/2024	ND	2.13	106	2.00	5.19	
Ethylbenzene*	<0.050	0.050	10/29/2024	ND	2.13	106	2.00	4.35	
Total Xylenes*	<0.150	0.150	10/29/2024	ND	6.32	105	6.00	4.40	
Total BTEX	<0.300	0.300	10/29/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.4	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	10/30/2024	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/29/2024	ND	203	102	200	3.98	
DRO >C10-C28*	<10.0	10.0	10/29/2024	ND	211	105	200	2.17	
EXT DRO >C28-C36	<10.0	10.0	10/29/2024	ND					
Surrogate: 1-Chlorooctane	98.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.9	% 49.1-14	8						

Applyzod By: 14

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Celey D. Keene



Analytical Results For:

ENSOLUM DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/29/2024 Sampling Date: 10/28/2024

Reported: Sampling Type: Soil 10/30/2024

Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact Sample Received By: Project Number: 03C1558315 Alyssa Parras

Project Location: XTO (32.12367-103.97186)

Sample ID: FS 084 2 (H246565-05)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/29/2024	ND	2.21	111	2.00	6.09	
Toluene*	<0.050	0.050	10/29/2024	ND	2.13	106	2.00	5.19	
Ethylbenzene*	<0.050	0.050	10/29/2024	ND	2.13	106	2.00	4.35	
Total Xylenes*	<0.150	0.150	10/29/2024	ND	6.32	105	6.00	4.40	
Total BTEX	<0.300	0.300	10/29/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 9	71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	10/30/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/29/2024	ND	203	102	200	3.98	
DRO >C10-C28*	<10.0	10.0	10/29/2024	ND	211	105	200	2.17	
EXT DRO >C28-C36	<10.0	10.0	10/29/2024	ND					
Surrogate: 1-Chlorooctane	97.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.7	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

ENSOLUM DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/29/2024 Sampling Date: 10/28/2024

Reported: 10/30/2024 Sampling Type: Soil

Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact
Project Number: 03C1558315 Sample Received By: Alyssa Parras

Analyzed By: JH

Project Location: XTO (32.12367-103.97186)

mg/kg

Sample ID: FS 085 2 (H246565-06)

BTEX 8021B

DILX GOZID	iiig/	, kg	Allulyzo	u by. 511					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/29/2024	ND	2.21	111	2.00	6.09	
Toluene*	<0.050	0.050	10/29/2024	ND	2.13	106	2.00	5.19	
Ethylbenzene*	<0.050	0.050	10/29/2024	ND	2.13	106	2.00	4.35	
Total Xylenes*	<0.150	0.150	10/29/2024	ND	6.32	105	6.00	4.40	
Total BTEX	<0.300	0.300	10/29/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 71.5-13-	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	10/30/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/29/2024	ND	203	102	200	3.98	
DRO >C10-C28*	<10.0	10.0	10/29/2024	ND	211	105	200	2.17	
EXT DRO >C28-C36	<10.0	10.0	10/29/2024	ND					
Surrogate: 1-Chlorooctane	97.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.6	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

ENSOLUM DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/29/2024 Sampling Date: 10/28/2024

Reported: 10/30/2024 Sampling Type: Soil

Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact
Project Number: 03C1558315 Sample Received By: Alyssa Parras

Analyzed By: JH

Project Location: XTO (32.12367-103.97186)

mg/kg

Sample ID: FS 086 2 (H246565-07)

BTEX 8021B

	9,	9	7	7: :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/29/2024	ND	2.21	111	2.00	6.09	
Toluene*	<0.050	0.050	10/29/2024	ND	2.13	106	2.00	5.19	
Ethylbenzene*	<0.050	0.050	10/29/2024	ND	2.13	106	2.00	4.35	
Total Xylenes*	<0.150	0.150	10/29/2024	ND	6.32	105	6.00	4.40	
Total BTEX	<0.300	0.300	10/29/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	10/30/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/29/2024	ND	203	102	200	3.98	
DRO >C10-C28*	<10.0	10.0	10/29/2024	ND	211	105	200	2.17	
EXT DRO >C28-C36	<10.0	10.0	10/29/2024	ND					
Surrogate: 1-Chlorooctane	94.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.9	% 49.1-14	8						

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Celey D. Keens



Analytical Results For:

ENSOLUM DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/29/2024 Sampling Date: 10/28/2024

Reported: 10/30/2024 Sampling Type: Soil

Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact
Project Number: 03C1558315 Sample Received By: Alyssa Parras

Applyzod By: 14

Project Location: XTO (32.12367-103.97186)

ma/ka

Sample ID: FS 087 2 (H246565-08)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/29/2024	ND	2.21	111	2.00	6.09	
Toluene*	<0.050	0.050	10/29/2024	ND	2.13	106	2.00	5.19	
Ethylbenzene*	<0.050	0.050	10/29/2024	ND	2.13	106	2.00	4.35	
Total Xylenes*	<0.150	0.150	10/29/2024	ND	6.32	105	6.00	4.40	
Total BTEX	<0.300	0.300	10/29/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.4	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	10/30/2024	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/29/2024	ND	203	102	200	3.98	
DRO >C10-C28*	<10.0	10.0	10/29/2024	ND	211	105	200	2.17	
EXT DRO >C28-C36	<10.0	10.0	10/29/2024	ND					
Surrogate: 1-Chlorooctane	92.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.6	% 49.1-14	8						

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Analytical Results For:

ENSOLUM DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/29/2024 Sampling Date: 10/28/2024

Reported: 10/30/2024 Sampling Type: Soil

Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact
Project Number: 03C1558315 Sample Received By: Alyssa Parras

Analyzed By: JH

Project Location: XTO (32.12367-103.97186)

mg/kg

Sample ID: FS 088 2 (H246565-09)

BTEX 8021B

	9/	9	7111411720						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/29/2024	ND	2.21	111	2.00	6.09	
Toluene*	<0.050	0.050	10/29/2024	ND	2.13	106	2.00	5.19	
Ethylbenzene*	<0.050	0.050	10/29/2024	ND	2.13	106	2.00	4.35	
Total Xylenes*	<0.150	0.150	10/29/2024	ND	6.32	105	6.00	4.40	
Total BTEX	<0.300	0.300	10/29/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.8	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	10/30/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/29/2024	ND	203	102	200	3.98	
DRO >C10-C28*	<10.0	10.0	10/29/2024	ND	211	105	200	2.17	
EXT DRO >C28-C36	<10.0	10.0	10/29/2024	ND					
Surrogate: 1-Chlorooctane	96.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.4	% 49.1-14	8						

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Cool & Intact

Alyssa Parras

Sampling Condition:

Sample Received By:

Analytical Results For:

ENSOLUM DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/29/2024 Sampling Date: 10/28/2024

Reported: 10/30/2024 Sampling Type: Soil

SHANGHAI ROOSTER 15-3 FED 105H

Project Number: 03C1558315

mg/kg

Project Location: XTO (32.12367-103.97186)

Sample ID: FS 089 2 (H246565-10)

Project Name:

BTEX 8021B

	9/	9	7	7 5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/29/2024	ND	2.21	111	2.00	6.09	
Toluene*	<0.050	0.050	10/29/2024	ND	2.13	106	2.00	5.19	
Ethylbenzene*	<0.050	0.050	10/29/2024	ND	2.13	106	2.00	4.35	
Total Xylenes*	<0.150	0.150	10/29/2024	ND	6.32	105	6.00	4.40	
Total BTEX	<0.300	0.300	10/29/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	'kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	10/30/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/29/2024	ND	203	102	200	3.98	
DRO >C10-C28*	<10.0	10.0	10/29/2024	ND	211	105	200	2.17	
EXT DRO >C28-C36	<10.0	10.0	10/29/2024	ND					
Surrogate: 1-Chlorooctane	83.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	84.0	% 49.1-14	8						

Analyzed By: JH

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Analytical Results For:

ENSOLUM DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/29/2024 Sampling Date: 10/28/2024

Reported: 10/30/2024 Sampling Type: Soil

Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact
Project Number: 03C1558315 Sample Received By: Alyssa Parras

Analyzed By: JH

Project Location: XTO (32.12367-103.97186)

mg/kg

Sample ID: FS 090 2 (H246565-11)

BTEX 8021B

	9/	9	7	w = y : 5 : :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/29/2024	ND	2.21	111	2.00	6.09	
Toluene*	<0.050	0.050	10/29/2024	ND	2.13	106	2.00	5.19	
Ethylbenzene*	<0.050	0.050	10/29/2024	ND	2.13	106	2.00	4.35	
Total Xylenes*	<0.150	0.150	10/29/2024	ND	6.32	105	6.00	4.40	
Total BTEX	<0.300	0.300	10/29/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.7	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	10/30/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/29/2024	ND	203	102	200	3.98	
DRO >C10-C28*	<10.0	10.0	10/29/2024	ND	211	105	200	2.17	
EXT DRO >C28-C36	<10.0	10.0	10/29/2024	ND					
Surrogate: 1-Chlorooctane	93.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	94.2	% 49.1-14	8						

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Analytical Results For:

ENSOLUM DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/29/2024 Sampling Date: 10/28/2024

Reported: 10/30/2024 Sampling Type: Soil

Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact
Project Number: 03C1558315 Sample Received By: Alyssa Parras

Analyzed By: JH

Project Location: XTO (32.12367-103.97186)

mg/kg

Sample ID: FS 091 2 (H246565-12)

BTEX 8021B

	<u> </u>			• •					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/29/2024	ND	2.21	111	2.00	6.09	
Toluene*	<0.050	0.050	10/29/2024	ND	2.13	106	2.00	5.19	
Ethylbenzene*	<0.050	0.050	10/29/2024	ND	2.13	106	2.00	4.35	
Total Xylenes*	<0.150	0.150	10/29/2024	ND	6.32	105	6.00	4.40	
Total BTEX	<0.300	0.300	10/29/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.2	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	10/30/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/29/2024	ND	203	102	200	3.98	
DRO >C10-C28*	<10.0	10.0	10/29/2024	ND	211	105	200	2.17	
EXT DRO >C28-C36	<10.0	10.0	10/29/2024	ND					
Surrogate: 1-Chlorooctane	93.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.3	% 49.1-14	8						

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Cool & Intact

Analytical Results For:

ENSOLUM DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/29/2024 Reported:

Sampling Date: 10/28/2024 Sampling Type: Soil 10/30/2024

Sampling Condition:

Project Name: SHANGHAI ROOSTER 15-3 FED 105H

Project Number: 03C1558315 Sample Received By: Alyssa Parras

Project Location: XTO (32.12367-103.97186)

Sample ID: FS 092 2 (H246565-13)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/29/2024	ND	2.21	111	2.00	6.09	
Toluene*	<0.050	0.050	10/29/2024	ND	2.13	106	2.00	5.19	
Ethylbenzene*	<0.050	0.050	10/29/2024	ND	2.13	106	2.00	4.35	
Total Xylenes*	<0.150	0.150	10/29/2024	ND	6.32	105	6.00	4.40	
Total BTEX	<0.300	0.300	10/29/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.5	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	10/30/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/29/2024	ND	203	102	200	3.98	
DRO >C10-C28*	<10.0	10.0	10/29/2024	ND	211	105	200	2.17	
EXT DRO >C28-C36	<10.0	10.0	10/29/2024	ND					
Surrogate: 1-Chlorooctane	94.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.5	% 49.1-14	8						

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Analytical Results For:

ENSOLUM DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/29/2024 Sampling Date: 10/28/2024

Reported: 10/30/2024 Sampling Type: Soil

Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact
Project Number: 03C1558315 Sample Received By: Alyssa Parras

Analyzed By: JH

Project Location: XTO (32.12367-103.97186)

mg/kg

Sample ID: FS 093 4 (H246565-14)

BTEX 8021B

	<u> </u>								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/29/2024	ND	2.21	111	2.00	6.09	
Toluene*	<0.050	0.050	10/29/2024	ND	2.13	106	2.00	5.19	
Ethylbenzene*	<0.050	0.050	10/29/2024	ND	2.13	106	2.00	4.35	
Total Xylenes*	<0.150	0.150	10/29/2024	ND	6.32	105	6.00	4.40	
Total BTEX	<0.300	0.300	10/29/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	10/30/2024	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/29/2024	ND	203	102	200	3.98	
DRO >C10-C28*	<10.0	10.0	10/29/2024	ND	211	105	200	2.17	
EXT DRO >C28-C36	<10.0	10.0	10/29/2024	ND					
Surrogate: 1-Chlorooctane	98.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	94.9	% 49.1-14	8						

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Analytical Results For:

ENSOLUM DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/29/2024 Reported:

10/30/2024 SHANGHAI ROOSTER 15-3 FED 105H

Project Name: Project Number: 03C1558315

Project Location: XTO (32.12367-103.97186) Sampling Date: 10/28/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By:

Alyssa Parras

Sample ID: FS 094 4 (H246565-15)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/29/2024	ND	2.21	111	2.00	6.09	
Toluene*	<0.050	0.050	10/29/2024	ND	2.13	106	2.00	5.19	
Ethylbenzene*	<0.050	0.050	10/29/2024	ND	2.13	106	2.00	4.35	
Total Xylenes*	<0.150	0.150	10/29/2024	ND	6.32	105	6.00	4.40	
Total BTEX	<0.300	0.300	10/29/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.7	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	10/30/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/30/2024	ND	203	102	200	3.98	
DRO >C10-C28*	<10.0	10.0	10/30/2024	ND	211	105	200	2.17	
EXT DRO >C28-C36	<10.0	10.0	10/30/2024	ND					
Surrogate: 1-Chlorooctane	100 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.0	% 49.1-14	8						

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Analytical Results For:

ENSOLUM DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/29/2024 Sampling Date: 10/28/2024

Reported: 10/30/2024 Sampling Type: Soil

Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact
Project Number: 03C1558315 Sample Received By: Alyssa Parras

Analyzed By: JH

Project Location: XTO (32.12367-103.97186)

mg/kg

Sample ID: FS 095 4 (H246565-16)

BTEX 8021B

	9,	9	7	7: :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/29/2024	ND	2.21	111	2.00	6.09	
Toluene*	<0.050	0.050	10/29/2024	ND	2.13	106	2.00	5.19	
Ethylbenzene*	<0.050	0.050	10/29/2024	ND	2.13	106	2.00	4.35	
Total Xylenes*	<0.150	0.150	10/29/2024	ND	6.32	105	6.00	4.40	
Total BTEX	<0.300	0.300	10/29/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.6	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	10/30/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/30/2024	ND	203	102	200	3.98	
DRO >C10-C28*	<10.0	10.0	10/30/2024	ND	211	105	200	2.17	
EXT DRO >C28-C36	<10.0	10.0	10/30/2024	ND					
Surrogate: 1-Chlorooctane	109	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	108	% 49.1-14	8						

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Analytical Results For:

ENSOLUM DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/29/2024 Sampling Date: 10/28/2024

Reported: 10/30/2024 Sampling Type: Soil

Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact
Project Number: 03C1558315 Sample Received By: Alyssa Parras

Analyzed By: JH

Project Location: XTO (32.12367-103.97186)

mg/kg

Sample ID: FS 096 4 (H246565-17)

BTEX 8021B

	9/	9	7	w = y : 5 : :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/29/2024	ND	2.21	111	2.00	6.09	
Toluene*	<0.050	0.050	10/29/2024	ND	2.13	106	2.00	5.19	
Ethylbenzene*	<0.050	0.050	10/29/2024	ND	2.13	106	2.00	4.35	
Total Xylenes*	<0.150	0.150	10/29/2024	ND	6.32	105	6.00	4.40	
Total BTEX	<0.300	0.300	10/29/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.8	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	10/30/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/30/2024	ND	203	102	200	3.98	
DRO >C10-C28*	<10.0	10.0	10/30/2024	ND	211	105	200	2.17	
EXT DRO >C28-C36	<10.0	10.0	10/30/2024	ND					
Surrogate: 1-Chlorooctane	108	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107	% 49.1-14	8						

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Celey & Keene



Analytical Results For:

ENSOLUM DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/29/2024 Sampling Date: 10/28/2024

Reported: 10/30/2024 Sampling Type: Soil

Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact
Project Number: 03C1558315 Sample Received By: Alyssa Parras

Analyzed By: JH

Project Location: XTO (32.12367-103.97186)

mg/kg

Sample ID: FS 097 4 (H246565-18)

BTEX 8021B

	9/	9	7	7 5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/29/2024	ND	2.21	111	2.00	6.09	
Toluene*	<0.050	0.050	10/29/2024	ND	2.13	106	2.00	5.19	
Ethylbenzene*	<0.050	0.050	10/29/2024	ND	2.13	106	2.00	4.35	
Total Xylenes*	<0.150	0.150	10/29/2024	ND	6.32	105	6.00	4.40	
Total BTEX	<0.300	0.300	10/29/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	'kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	10/30/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/30/2024	ND	203	102	200	3.98	
DRO >C10-C28*	<10.0	10.0	10/30/2024	ND	211	105	200	2.17	
EXT DRO >C28-C36	<10.0	10.0	10/30/2024	ND					
Surrogate: 1-Chlorooctane	94.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.3	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

ENSOLUM DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/29/2024 Sampling Date: 10/28/2024

Reported: 10/30/2024 Sampling Type: Soil

Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact
Project Number: 03C1558315 Sample Received By: Alyssa Parras

Analyzed By: JH

Project Location: XTO (32.12367-103.97186)

mg/kg

Sample ID: FS 098 4 (H246565-19)

BTEX 8021B

	<u> </u>			• •					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/29/2024	ND	2.21	111	2.00	6.09	
Toluene*	<0.050	0.050	10/29/2024	ND	2.13	106	2.00	5.19	
Ethylbenzene*	<0.050	0.050	10/29/2024	ND	2.13	106	2.00	4.35	
Total Xylenes*	<0.150	0.150	10/29/2024	ND	6.32	105	6.00	4.40	
Total BTEX	<0.300	0.300	10/29/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.4	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	10/30/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/30/2024	ND	203	102	200	3.98	
DRO >C10-C28*	<10.0	10.0	10/30/2024	ND	211	105	200	2.17	
EXT DRO >C28-C36	<10.0	10.0	10/30/2024	ND					
Surrogate: 1-Chlorooctane	92.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.8	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

ENSOLUM DAVID MCINNIS 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 10/29/2024 Sampling Date: 10/28/2024

Reported: 10/30/2024 Sampling Type: Soil

Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact
Project Number: 03C1558315 Sample Received By: Alyssa Parras

Analyzed By: JH

Project Location: XTO (32.12367-103.97186)

mg/kg

Sample ID: FS 099 4 (H246565-20)

BTEX 8021B

DIEX GOZID	1119/	<u>ng</u>	Allulyzo	.u by. 511					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/29/2024	ND	2.21	111	2.00	6.09	
Toluene*	<0.050	0.050	10/29/2024	ND	2.13	106	2.00	5.19	
Ethylbenzene*	<0.050	0.050	10/29/2024	ND	2.13	106	2.00	4.35	
Total Xylenes*	<0.150	0.150	10/29/2024	ND	6.32	105	6.00	4.40	
Total BTEX	<0.300	0.300	10/29/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.7	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	'kg	Analyze	ed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	10/30/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	'kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/30/2024	ND	203	102	200	3.98	
DRO >C10-C28*	<10.0	10.0	10/30/2024	ND	211	105	200	2.17	
EXT DRO >C28-C36	<10.0	10.0	10/30/2024	ND					
Surrogate: 1-Chlorooctane	94.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.6	% 49.1-14	8						

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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. Keine

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101 East Marland, Hobbs, NM 88240

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Ensolum, LLC Project Manager: \[\(\pi_{\mathcal{Lim}} \pi_{\mathcal{M}} \pi_{\mathcal{Q}} \) Address: 3122 National Parks Hwy City: Carlsbad	Monissey is Hwy State: NM	Zip: 88220	P.O. #: Company: XTO Energy Inc. Attn: Amy Reth Colon Sa	Inc.
City: Carlsbad Phone #: 337 257 450			Attn: Amy Ruth Collect St Address: 3104 E Green St	St
12,955130	5 Project Owner: XTO		City: Carlsbad	
ame: Shanghai	Poestor 15-3 Fed		State: NM Zip:88220	
Project Location: 32.173	367, -10397186			
Sampler Name: Joshua &	Bedley	7	Fax #:	4
	/	MATRIX	ESERV.	SAMPLING
Lab I.D. Sample I.D.	Depth (feet)	(G)RAB OR (C)OMI # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER: ACID/BASE: ICE / COOL COTHER:	Chlor TPH BTE
) [50%)	- 12	- - ×		S S S S S S S S S S S S S S S S S S S
3 55062				04.00
58052 h				00,75
5 55084				00(30
5,5045				Shbo
7 85086	6			09/50
1,4053 8				965
98054 b				0
DB-05-3	2	CII W	W 10.78.74	10.30 X X X
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Relinquished By:		Date: Received By:	CHAPTER ALCOHOLD IN A CALL IN A CALL IN A CALL INC.	Verbal Result:
an my	Time:	Some		
Relinquished By:	Date:	Received By:		REMARKS: MAP 2400450611 Cost Center: 1640 331001
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Corrected Tamp. "C 2.5"	Sample Condition Call Cool Infact Cool Infact Cool Infact	ON CHECKED BY: (Initials)	Turnaround Time: Standard Rush Thermometer ID #13**/ L/O

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

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

	(575) 393-2326 FAX (575) 393-2476	AX (575) 393-2	176		Cox (
Company Name: Ensolum, LLC	Ensolum, LLC			BILL TO	ANALYSIS REQUEST
Project Manager:	Taward Monissey	5564		P.O. #:	
Address: 3122 N	Address: 3122 National Parks Hwy			Company: XTO Energy Inc.	ly Inc.
City: Carlsbad		State: NM	Zip: 88220	Attn: Amy Rath Colpn	N. Waln
Phone #: 33	7 257 830 7	Fax #:		Address: 3104 E Green St	an St
Project #: 0%1	1558315	Project Owner: XTO	: хто	City: Carlsbad	
Project Name: 5 hangha	hanghal Rooctor	15-5 Fed10	HS	State: NM Zip:88220	20
Project Location:	7921178	105,97186			
Sampler Name:	Joshua Badley	0		Fax #:	
FOR LAB USE ONLY	/		MATRIX	ESERV.	SAMPLING
Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMF # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL	SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER:	TPH BTE
	64810	2	C I X	K	035 X X X
تو	F5091	2			1040
U)	54092	2			1925
14	F50975	2			1300
<u>N</u>	Froge	_			85
16	F5095				[3]0
7	54000				[3/5]
8/	5500.7				17510
19	FS094		=		24.
PLEASE NOTE: Liability and	CHOON STANDARD CONTRACTOR CONTRAC	larrie avelusion ramady for a	ny claim arising whather hand in contr	N 0.74.74	at the facility for the
analyses. All claims includin service. In no event shall Ca	d Damages. Cardinal's liability and o githose for negligence and any other rights be liable for incidental or control of cardiand to the performance.	ilent's exclusive remedy for a ir cause whatsoever shall be sequental damages, includin se of applicas harounder by (ny ciaim arising whether based in control deemed walved unless made in writing without limitation, business interruption and incomplete of unattor such of	PLEASE NOTE: Lability and Damagos. Cardina's isolity and client's exclusive memby for any claim arising whether based in contract or fort, shall be limited to the emount paid by the client for he analyses. All claims including those for negligence and any other cause whatsoever shall be deemed walved unless made in whiting and received by Cardinal within 30 days after completion of the application, in no event shall Cardinal be liable for incidental or consequental demanges, including without limitation, business interruptions, loss of use, or loss of profits incruded by client, its subsidiaries, affiliation or a processors affective and or consequental demanges including without limitation, business interruptions, loss of use, or loss of profits incrude by client, its subsidiaries, affiliation or a processor affective and or consequent affective profits incrude and unconsequent and the affective profits incrude and unconsequent and the affective profits incrude and unconsequent and the affective profits incrude any order of the affective profits incrude any order of the affective profits and the affective profits affective profits and the affective profits affective profits and the affective profits affective profits affective profits affective profits affective profits affective profit and the affective profits affective profit and the affective profits affective profits affective profit and the affective profits affective profits affective profit affective profits affective profits affective profit and the affective profits affecti	ad by the client for the processor of the applicable client, its subsidiaries, processor or the processor of the client processor or the processor of the client processor or the processor of the client processor or the processor of the processor or the processor or the processor of the processor or the pr
Relinquished By:	A. Caro		Received By:	Received By:	Verbal Result: ☐ Yes ☐ No Add'! Phone #: All Results are emailed. Please provide Email address:
	Mark Rolling	Time:	appropriate		- @ensolum.com, TMorrissey@ensolum.com, kthomason@ensolum.co
Relinquished By:	`	Date:	Received By:		REMARKS: 149240450611 Incident: 149240450611 Cost Center: 1600531001
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Corrected Temp. "C, 3.	Sample Condition Cool Intact Yes Yes	dition CHECKED BY: t (Initials) Yes	d Time: Standard ☐ Bacteria (only) S Rush Cool Intact r ID #143#1/42 ☐ Yes ☐ Yes
Campier - Or O		orrected lemp.	N. S.	N. S.	- DEC-0:(0>



November 04, 2024

TACOMA MORRISSEY
ENSOLUM
3122 NATIONAL PARKS HWY
CARLSBAD, NM 88220

RE: SHANGHAI ROOSTER 15-3 FED 105H

Enclosed are the results of analyses for samples received by the laboratory on 11/01/24 12:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab_accred_certif.html.

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

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

Celey D. Keine

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 11/01/2024 Sampling Date: 10/29/2024

Reported: 11/04/2024 Sampling Type: Soil

Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact
Project Number: 03C1558315 Sample Received By: Tamara Oldaker

Applyand By 14

Project Location: XTO (32.12367-103.97186)

Sample ID: FS 100 4' (H246675-01)

DTEV 0021D

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/02/2024	ND	2.05	103	2.00	8.17	
Toluene*	<0.050	0.050	11/02/2024	ND	2.13	107	2.00	7.67	
Ethylbenzene*	<0.050	0.050	11/02/2024	ND	2.09	104	2.00	7.37	
Total Xylenes*	<0.150	0.150	11/02/2024	ND	6.62	110	6.00	6.12	
Total BTEX	<0.300	0.300	11/02/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/03/2024	ND	416	104	400	10.9	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2024	ND	218	109	200	2.04	
DRO >C10-C28*	<10.0	10.0	11/01/2024	ND	219	109	200	1.37	
EXT DRO >C28-C36	<10.0	10.0	11/01/2024	ND					
Surrogate: 1-Chlorooctane	115 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	116	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 11/01/2024 Sampling Date: 10/29/2024

Reported: 11/04/2024 Sampling Type: Soil

Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact
Project Number: 03C1558315 Sample Received By: Tamara Oldaker

Project Location: XTO (32.12367-103.97186)

Sample ID: FS 101 4' (H246675-02)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/02/2024	ND	2.05	103	2.00	8.17	
Toluene*	<0.050	0.050	11/02/2024	ND	2.13	107	2.00	7.67	
Ethylbenzene*	<0.050	0.050	11/02/2024	ND	2.09	104	2.00	7.37	
Total Xylenes*	<0.150	0.150	11/02/2024	ND	6.62	110	6.00	6.12	
Total BTEX	<0.300	0.300	11/02/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/03/2024	ND	416	104	400	10.9	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2024	ND	218	109	200	2.04	
DRO >C10-C28*	<10.0	10.0	11/01/2024	ND	219	109	200	1.37	
EXT DRO >C28-C36	<10.0	10.0	11/01/2024	ND					
Surrogate: 1-Chlorooctane	103	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

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Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 11/01/2024 Sampling Date: 10/29/2024

Reported: 11/04/2024 Sampling Type: Soil

Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact
Project Number: 03C1558315 Sample Received By: Tamara Oldaker

Project Location: XTO (32.12367-103.97186)

Sample ID: FS 102 4' (H246675-03)

Analyte Result Reporting Limit Analyzed Method Blank BS Benzene* <0.050 0.050 11/02/2024 ND 2.05	% Recovery 103 107	True Value QC 2.00	RPD	Qualifier
• •		2.00		
	107		8.17	
Toluene* <0.050 0.050 11/02/2024 ND 2.13	107	2.00	7.67	
Ethylbenzene* <0.050 0.050 11/02/2024 ND 2.09	104	2.00	7.37	
Total Xylenes* <0.150 0.150 11/02/2024 ND 6.62	110	6.00	6.12	
Total BTEX <0.300 0.300 11/02/2024 ND				
Surrogate: 4-Bromofluorobenzene (PID 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 16.0 16.0 11/03/2024 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 11/01/2024 ND 218	109	200	2.04	
DRO >C10-C28* <10.0 10.0 11/01/2024 ND 219	109	200	1.37	
EXT DRO >C28-C36 <10.0 10.0 11/01/2024 ND				
Surrogate: 1-Chlorooctane 110 % 48.2-134				
Surrogate: 1-Chlorooctadecane 111 % 49.1-148				

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Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 11/01/2024 Sampling Date: 10/29/2024

Reported: 11/04/2024 Sampling Type: Soil

Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact Project Number: 03C1558315 Sample Received By: Tamara Oldaker

Project Location: XTO (32.12367-103.97186)

Sample ID: FS 103 4' (H246675-04)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/02/2024	ND	2.05	103	2.00	8.17	
Toluene*	<0.050	0.050	11/02/2024	ND	2.13	107	2.00	7.67	
Ethylbenzene*	<0.050	0.050	11/02/2024	ND	2.09	104	2.00	7.37	
Total Xylenes*	<0.150	0.150	11/02/2024	ND	6.62	110	6.00	6.12	
Total BTEX	<0.300	0.300	11/02/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/03/2024	ND	416	104	400	10.9	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2024	ND	218	109	200	2.04	
DRO >C10-C28*	<10.0	10.0	11/01/2024	ND	219	109	200	1.37	
EXT DRO >C28-C36	<10.0	10.0	11/01/2024	ND					
Surrogate: 1-Chlorooctane	89.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.5	% 49.1-14	8						

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Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 11/01/2024 Sampling Date: 10/29/2024

Reported: 11/04/2024 Sampling Type: Soil

Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact Project Number: Tamara Oldaker 03C1558315 Sample Received By:

Project Location: XTO (32.12367-103.97186)

Sample ID: FS 104 4' (H246675-05)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/02/2024	ND	2.05	103	2.00	8.17	
Toluene*	<0.050	0.050	11/02/2024	ND	2.13	107	2.00	7.67	
Ethylbenzene*	<0.050	0.050	11/02/2024	ND	2.09	104	2.00	7.37	
Total Xylenes*	<0.150	0.150	11/02/2024	ND	6.62	110	6.00	6.12	
Total BTEX	<0.300	0.300	11/02/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 5	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/03/2024	ND	416	104	400	10.9	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2024	ND	218	109	200	2.04	
DRO >C10-C28*	<10.0	10.0	11/01/2024	ND	219	109	200	1.37	
EXT DRO >C28-C36	<10.0	10.0	11/01/2024	ND					
Surrogate: 1-Chlorooctane	117 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	118 9	% 49.1-14	8						

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Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 11/01/2024 Sampling Date: 10/29/2024

Reported: 11/04/2024 Sampling Type: Soil

Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact Project Number: 03C1558315 Sample Received By: Tamara Oldaker

Project Location: XTO (32.12367-103.97186)

Sample ID: FS 105 4' (H246675-06)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/02/2024	ND	2.05	103	2.00	8.17	
Toluene*	<0.050	0.050	11/02/2024	ND	2.13	107	2.00	7.67	
Ethylbenzene*	<0.050	0.050	11/02/2024	ND	2.09	104	2.00	7.37	
Total Xylenes*	<0.150	0.150	11/02/2024	ND	6.62	110	6.00	6.12	
Total BTEX	<0.300	0.300	11/02/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 %	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/03/2024	ND	416	104	400	10.9	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2024	ND	218	109	200	2.04	
DRO >C10-C28*	<10.0	10.0	11/01/2024	ND	219	109	200	1.37	
EXT DRO >C28-C36	<10.0	10.0	11/01/2024	ND					
Surrogate: 1-Chlorooctane	102 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102 9	% 49.1-14	8						

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Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 11/01/2024 Sampling Date: 10/29/2024

Reported: 11/04/2024 Sampling Type: Soil

Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact Tamara Oldaker Project Number: 03C1558315 Sample Received By:

Project Location: XTO (32.12367-103.97186)

Sample ID: FS 106 4' (H246675-07)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/02/2024	ND	2.05	103	2.00	3.40	
Toluene*	<0.050	0.050	11/02/2024	ND	1.98	99.1	2.00	4.22	
Ethylbenzene*	<0.050	0.050	11/02/2024	ND	1.98	99.2	2.00	4.44	
Total Xylenes*	<0.150	0.150	11/02/2024	ND	5.89	98.2	6.00	4.48	
Total BTEX	<0.300	0.300	11/02/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.0	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/03/2024	ND	416	104	400	10.9	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2024	ND	218	109	200	2.04	
DRO >C10-C28*	<10.0	10.0	11/01/2024	ND	219	109	200	1.37	
EXT DRO >C28-C36	<10.0	10.0	11/01/2024	ND					
Surrogate: 1-Chlorooctane	117 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	117 9	% 49.1-14	8						

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Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 11/01/2024 Sampling Date: 10/29/2024

Reported: 11/04/2024 Sampling Type: Soil

Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact
Project Number: 03C1558315 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: XTO (32.12367-103.97186)

mg/kg

Sample ID: FS 107 4' (H246675-08)

BTEX 8021B

DILX GOZID	ıııg,	, kg	Andryzo	u by. 511					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/02/2024	ND	2.05	103	2.00	3.40	
Toluene*	<0.050	0.050	11/02/2024	ND	1.98	99.1	2.00	4.22	
Ethylbenzene*	<0.050	0.050	11/02/2024	ND	1.98	99.2	2.00	4.44	
Total Xylenes*	<0.150	0.150	11/02/2024	ND	5.89	98.2	6.00	4.48	
Total BTEX	<0.300	0.300	11/02/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.5	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/03/2024	ND	416	104	400	10.9	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/02/2024	ND	218	109	200	2.04	
DRO >C10-C28*	<10.0	10.0	11/02/2024	ND	219	109	200	1.37	
EXT DRO >C28-C36	<10.0	10.0	11/02/2024	ND					
Surrogate: 1-Chlorooctane	106	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107	% 49.1-14	8						

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Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 11/01/2024 Sampling Date: 10/29/2024

Reported: 11/04/2024 Sampling Type: Soil

Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact Project Number: 03C1558315 Sample Received By: Tamara Oldaker

Project Location: XTO (32.12367-103.97186)

Sample ID: FS 108 4' (H246675-09)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/02/2024	ND	2.05	103	2.00	3.40	
Toluene*	<0.050	0.050	11/02/2024	ND	1.98	99.1	2.00	4.22	
Ethylbenzene*	<0.050	0.050	11/02/2024	ND	1.98	99.2	2.00	4.44	
Total Xylenes*	<0.150	0.150	11/02/2024	ND	5.89	98.2	6.00	4.48	
Total BTEX	<0.300	0.300	11/02/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.4	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/03/2024	ND	416	104	400	10.9	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/02/2024	ND	218	109	200	2.04	
DRO >C10-C28*	<10.0	10.0	11/02/2024	ND	219	109	200	1.37	
EXT DRO >C28-C36	<10.0	10.0	11/02/2024	ND					
Surrogate: 1-Chlorooctane	101 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	100 9	% 49.1-14	8						

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Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 11/01/2024 Sampling Date: 10/29/2024

Reported: 11/04/2024 Sampling Type: Soil

Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact
Project Number: 03C1558315 Sample Received By: Tamara Oldaker

Project Location: XTO (32.12367-103.97186)

Sample ID: FS 109 4' (H246675-10)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/02/2024	ND	2.05	103	2.00	3.40	
Toluene*	<0.050	0.050	11/02/2024	ND	1.98	99.1	2.00	4.22	
Ethylbenzene*	< 0.050	0.050	11/02/2024	ND	1.98	99.2	2.00	4.44	
Total Xylenes*	<0.150	0.150	11/02/2024	ND	5.89	98.2	6.00	4.48	
Total BTEX	<0.300	0.300	11/02/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/03/2024	ND	416	104	400	10.9	
TPH 8015M	mg	/kg	Analyze	ed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2024	ND	217	109	200	1.94	
DRO >C10-C28*	<10.0	10.0	11/01/2024	ND	206	103	200	0.119	
EXT DRO >C28-C36	<10.0	10.0	11/01/2024	ND					
Surrogate: 1-Chlorooctane	64.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	63.3	% 49.1-14	8						

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Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 11/01/2024 Sampling Date: 10/29/2024

Reported: Sampling Type: Soil 11/04/2024

Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact Tamara Oldaker Project Number: 03C1558315 Sample Received By:

Project Location: XTO (32.12367-103.97186)

Sample ID: FS 110 4' (H246675-11)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/02/2024	ND	2.05	103	2.00	3.40	
Toluene*	<0.050	0.050	11/02/2024	ND	1.98	99.1	2.00	4.22	
Ethylbenzene*	<0.050	0.050	11/02/2024	ND	1.98	99.2	2.00	4.44	
Total Xylenes*	<0.150	0.150	11/02/2024	ND	5.89	98.2	6.00	4.48	
Total BTEX	<0.300	0.300	11/02/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/03/2024	ND	416	104	400	10.9	
TPH 8015M	mg/	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2024	ND	217	109	200	1.94	
DRO >C10-C28*	<10.0	10.0	11/01/2024	ND	206	103	200	0.119	
EXT DRO >C28-C36	<10.0	10.0	11/01/2024	ND					
Surrogate: 1-Chlorooctane	95.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	94.7	% 49.1-14	8						

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Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 11/01/2024 Sampling Date: 10/29/2024

Reported: Sampling Type: Soil 11/04/2024

Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact Project Number: 03C1558315 Sample Received By: Tamara Oldaker

Project Location: XTO (32.12367-103.97186)

Sample ID: FS 111 4' (H246675-12)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/02/2024	ND	2.05	103	2.00	3.40	
Toluene*	<0.050	0.050	11/02/2024	ND	1.98	99.1	2.00	4.22	
Ethylbenzene*	<0.050	0.050	11/02/2024	ND	1.98	99.2	2.00	4.44	
Total Xylenes*	<0.150	0.150	11/02/2024	ND	5.89	98.2	6.00	4.48	
Total BTEX	<0.300	0.300	11/02/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.3	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/03/2024	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	11/01/2024	ND	217	109	200	1.94	
DRO >C10-C28*	<10.0	10.0	11/01/2024	ND	206	103	200	0.119	
EXT DRO >C28-C36	<10.0	10.0	11/01/2024	ND					
Surrogate: 1-Chlorooctane	91.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.3	% 49.1-14	8						

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Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 11/01/2024 Sampling Date: 10/29/2024

Reported: 11/04/2024 Sampling Type: Soil

Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact
Project Number: 03C1558315 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: XTO (32.12367-103.97186)

mg/kg

Sample ID: FS 112 4' (H246675-13)

BTEX 8021B

DILX GOZID	ıııg,	K9	Alldiyzo	.u by. 511					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/02/2024	ND	2.05	103	2.00	3.40	
Toluene*	<0.050	0.050	11/02/2024	ND	1.98	99.1	2.00	4.22	
Ethylbenzene*	<0.050	0.050	11/02/2024	ND	1.98	99.2	2.00	4.44	
Total Xylenes*	<0.150	0.150	11/02/2024	ND	5.89	98.2	6.00	4.48	
Total BTEX	<0.300	0.300	11/02/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/03/2024	ND	416	104	400	10.9	
TPH 8015M	mg/	'kg	Analyze	ed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2024	ND	217	109	200	1.94	
DRO >C10-C28*	<10.0	10.0	11/01/2024	ND	206	103	200	0.119	
EXT DRO >C28-C36	<10.0	10.0	11/01/2024	ND					
Surrogate: 1-Chlorooctane	96.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	94.6	% 49.1-14	8						

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Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 11/01/2024 Sampling Date: 10/29/2024

Reported: 11/04/2024 Sampling Type: Soil

Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact
Project Number: 03C1558315 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: XTO (32.12367-103.97186)

mg/kg

Sample ID: FS 113 4' (H246675-14)

BTEX 8021B

	<u> </u>								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/02/2024	ND	2.05	103	2.00	3.40	
Toluene*	<0.050	0.050	11/02/2024	ND	1.98	99.1	2.00	4.22	
Ethylbenzene*	<0.050	0.050	11/02/2024	ND	1.98	99.2	2.00	4.44	
Total Xylenes*	<0.150	0.150	11/02/2024	ND	5.89	98.2	6.00	4.48	
Total BTEX	<0.300	0.300	11/02/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	11/03/2024	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	11/01/2024	ND	217	109	200	1.94	
DRO >C10-C28*	<10.0	10.0	11/01/2024	ND	206	103	200	0.119	
EXT DRO >C28-C36	<10.0	10.0	11/01/2024	ND					
Surrogate: 1-Chlorooctane	98.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.9	% 49.1-14	8						

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Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 11/01/2024 Sampling Date: 10/29/2024

Reported: 11/04/2024 Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Type: Soil

Project Number: 03C1558315 Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Project Location: XTO (32.12367-103.97186)

Sample ID: FS 114 4' (H246675-15)

BTEX 8021B	mg,	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/02/2024	ND	2.05	103	2.00	3.40	
Toluene*	<0.050	0.050	11/02/2024	ND	1.98	99.1	2.00	4.22	
Ethylbenzene*	<0.050	0.050	11/02/2024	ND	1.98	99.2	2.00	4.44	
Total Xylenes*	<0.150	0.150	11/02/2024	ND	5.89	98.2	6.00	4.48	
Total BTEX	<0.300	0.300	11/02/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	'kg	Analyze	Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	11/03/2024	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	11/01/2024	ND	217	109	200	1.94	
DRO >C10-C28*	<10.0	10.0	11/01/2024	ND	206	103	200	0.119	
EXT DRO >C28-C36	<10.0	10.0	11/01/2024	ND					
Surrogate: 1-Chlorooctane	95.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.2	% 49.1-14	8						

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Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 11/01/2024 Sampling Date: 10/29/2024

Reported: 11/04/2024 Sampling Type: Soil

Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact
Project Number: 03C1558315 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: XTO (32.12367-103.97186)

mg/kg

Sample ID: FS 115 4' (H246675-16)

BTEX 8021B

DIEX GOZID	11197	K9	Alldiyzo	.u by. 511					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/02/2024	ND	2.05	103	2.00	3.40	
Toluene*	<0.050	0.050	11/02/2024	ND	1.98	99.1	2.00	4.22	
Ethylbenzene*	<0.050	0.050	11/02/2024	ND	1.98	99.2	2.00	4.44	
Total Xylenes*	<0.150	0.150	11/02/2024	ND	5.89	98.2	6.00	4.48	
Total BTEX	<0.300	0.300	11/02/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.8	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	'kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/03/2024	ND	416	104	400	10.9	
TPH 8015M	mg,	'kg	Analyze	ed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2024	ND	217	109	200	1.94	
DRO >C10-C28*	<10.0	10.0	11/01/2024	ND	206	103	200	0.119	
EXT DRO >C28-C36	<10.0	10.0	11/01/2024	ND					
Surrogate: 1-Chlorooctane	96.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	94.2	% 49.1-14	8						

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Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

 Received:
 11/01/2024
 Sampling

 Reported:
 11/04/2024
 Sampling

Project Name: SHANGHAI ROOSTER 15-3 FED 105H

Project Number: 03C1558315

Project Location: XTO (32.12367-103.97186)

Sampling Date: 10/29/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS 116 4' (H246675-17)

Benzene* <0.050 0.050 11/02/2024 ND 2.05 Toluene* <0.050 0.050 11/02/2024 ND 1.98 Ethylbenzene* <0.050 0.050 11/02/2024 ND 1.98	Recovery Tri 103 99.1 99.2 98.2	2.00 2.00 2.00 2.00 6.00	RPD 3.40 4.22 4.44 4.48	Qualifier
Toluene* <0.050 0.050 11/02/2024 ND 1.98 Ethylbenzene* <0.050 0.050 11/02/2024 ND 1.98 Total Xylenes* <0.150 0.150 11/02/2024 ND 5.89	99.1 99.2	2.00	4.22 4.44	
Ethylbenzene* <0.050 0.050 11/02/2024 ND 1.98 Total Xylenes* <0.150 0.150 11/02/2024 ND 5.89	99.2	2.00	4.44	
Total Xylenes* <0.150 0.150 11/02/2024 ND 5.89				
	98.2	6.00	4.48	
Total BTEX <0.300 0.300 11/02/2024 ND				
Surrogate: 4-Bromofluorobenzene (PID 99.8 % 71.5-134				
Chloride, SM4500Cl-B mg/kg Analyzed By: AC				
Analyte Result Reporting Limit Analyzed Method Blank BS % F	Recovery Tr	ue Value QC	RPD	Qualifier
Chloride <16.0 16.0 11/03/2024 ND 416	104	400	10.9	
TPH 8015M mg/kg Analyzed By: ms				
Analyte Result Reporting Limit Analyzed Method Blank BS % F	Recovery Tr	ue Value QC	RPD	Qualifier
GRO C6-C10* <10.0 10.0 11/01/2024 ND 217	109	200	1.94	
DRO >C10-C28* <10.0 10.0 11/01/2024 ND 206	103	200	0.119	
EXT DRO >C28-C36 <10.0 10.0 11/01/2024 ND				
Surrogate: 1-Chlorooctane 104 % 48.2-134				
Surrogate: 1-Chlorooctadecane 101 % 49.1-148				

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Cool & Intact

Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 11/01/2024 Reported: 11/04/2024

Sampling Date: 10/29/2024 Sampling Type: Soil

Project Name: SHANGHAI ROOSTER 15-3 FED 105H

Sampling Condition: Project Number: 03C1558315 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: XTO (32.12367-103.97186)

mg/kg

Sample ID: FS 117 4' (H246675-18)

BTEX 8021B

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/02/2024	ND	2.05	103	2.00	3.40	
Toluene*	<0.050	0.050	11/02/2024	ND	1.98	99.1	2.00	4.22	
Ethylbenzene*	<0.050	0.050	11/02/2024	ND	1.98	99.2	2.00	4.44	
Total Xylenes*	<0.150	0.150	11/02/2024	ND	5.89	98.2	6.00	4.48	
Total BTEX	<0.300	0.300	11/02/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/02/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2024	ND	217	109	200	1.94	
DRO >C10-C28*	<10.0	10.0	11/01/2024	ND	206	103	200	0.119	
EXT DRO >C28-C36	<10.0	10.0	11/01/2024	ND					
Surrogate: 1-Chlorooctane	91.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	88.9	% 49.1-14	8						

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Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 11/01/2024 Sampling Date: 10/29/2024

Reported: Sampling Type: Soil 11/04/2024

Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact Project Number: 03C1558315 Sample Received By: Tamara Oldaker

Project Location: XTO (32.12367-103.97186)

Sample ID: FS 118 4' (H246675-19)

BTEX 8021B	mg,	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/02/2024	ND	2.05	103	2.00	3.40	
Toluene*	<0.050	0.050	11/02/2024	ND	1.98	99.1	2.00	4.22	
Ethylbenzene*	<0.050	0.050	11/02/2024	ND	1.98	99.2	2.00	4.44	
Total Xylenes*	<0.150	0.150	11/02/2024	ND	5.89	98.2	6.00	4.48	
Total BTEX	<0.300	0.300	11/02/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 71.5-13	4						
Chloride, SM4500CI-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	11/02/2024	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	11/01/2024	ND	217	109	200	1.94	
DRO >C10-C28*	<10.0	10.0	11/01/2024	ND	206	103	200	0.119	
EXT DRO >C28-C36	<10.0	10.0	11/01/2024	ND					
Surrogate: 1-Chlorooctane	95.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.9	% 49.1-14	8						

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Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 11/01/2024 Sampling Date: 10/29/2024

Reported: 11/04/2024 Sampling Type: Soil

Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact
Project Number: 03C1558315 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: XTO (32.12367-103.97186)

mg/kg

Sample ID: FS 119 4' (H246675-20)

BTEX 8021B

	9/	9	7	7 5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/02/2024	ND	2.05	103	2.00	3.40	
Toluene*	<0.050	0.050	11/02/2024	ND	1.98	99.1	2.00	4.22	
Ethylbenzene*	<0.050	0.050	11/02/2024	ND	1.98	99.2	2.00	4.44	
Total Xylenes*	<0.150	0.150	11/02/2024	ND	5.89	98.2	6.00	4.48	
Total BTEX	<0.300	0.300	11/02/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.3	% 71.5-13	4						
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	11/02/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	'kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2024	ND	217	109	200	1.94	
DRO >C10-C28*	<10.0	10.0	11/01/2024	ND	206	103	200	0.119	
EXT DRO >C28-C36	<10.0	10.0	11/01/2024	ND					
Surrogate: 1-Chlorooctane	86.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	83.5	% 49.1-14	8						

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Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 11/01/2024 Sampling Date: 10/29/2024

Reported: 11/04/2024 Sampling Type: Soil

Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact
Project Number: 03C1558315 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: XTO (32.12367-103.97186)

mg/kg

Sample ID: FS 120 4' (H246675-21)

BTEX 8021B

	9/	9	7	,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/02/2024	ND	2.05	103	2.00	3.40	
Toluene*	<0.050	0.050	11/02/2024	ND	1.98	99.1	2.00	4.22	
Ethylbenzene*	<0.050	0.050	11/02/2024	ND	1.98	99.2	2.00	4.44	
Total Xylenes*	<0.150	0.150	11/02/2024	ND	5.89	98.2	6.00	4.48	
Total BTEX	<0.300	0.300	11/02/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/02/2024	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	11/01/2024	ND	217	109	200	1.94	
DRO >C10-C28*	<10.0	10.0	11/01/2024	ND	206	103	200	0.119	
EXT DRO >C28-C36	<10.0	10.0	11/01/2024	ND					
Surrogate: 1-Chlorooctane	93.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.1	% 49.1-14	8						

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Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 11/01/2024 Sampling Date: 10/29/2024

Reported: 11/04/2024 Sampling Type: Soil

Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact
Project Number: 03C1558315 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: XTO (32.12367-103.97186)

ma/ka

Sample ID: FS 121 4' (H246675-22)

RTFY 8021R

B1EX 8021B	mg	/ kg	Anaiyze	а ву: ЈН					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/02/2024	ND	2.05	103	2.00	3.40	
Toluene*	<0.050	0.050	11/02/2024	ND	1.98	99.1	2.00	4.22	
Ethylbenzene*	<0.050	0.050	11/02/2024	ND	1.98	99.2	2.00	4.44	
Total Xylenes*	<0.150	0.150	11/02/2024	ND	5.89	98.2	6.00	4.48	
Total BTEX	<0.300	0.300	11/02/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.2	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/02/2024	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	11/01/2024	ND	217	109	200	1.94	
DRO >C10-C28*	<10.0	10.0	11/01/2024	ND	206	103	200	0.119	
EXT DRO >C28-C36	<10.0	10.0	11/01/2024	ND					
Surrogate: 1-Chlorooctane	100	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.1	% 49.1-14	8						

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Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 11/01/2024 Sampling Date: 10/29/2024

Reported: 11/04/2024 Sampling Type: Soil

Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact
Project Number: 03C1558315 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: XTO (32.12367-103.97186)

mg/kg

Sample ID: FS 122 4' (H246675-23)

BTEX 8021B

	9/	9	7	w = y : 5 : :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/02/2024	ND	2.05	103	2.00	3.40	
Toluene*	<0.050	0.050	11/02/2024	ND	1.98	99.1	2.00	4.22	
Ethylbenzene*	<0.050	0.050	11/02/2024	ND	1.98	99.2	2.00	4.44	
Total Xylenes*	<0.150	0.150	11/02/2024	ND	5.89	98.2	6.00	4.48	
Total BTEX	<0.300	0.300	11/02/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.2	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/02/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2024	ND	217	109	200	1.94	
DRO >C10-C28*	<10.0	10.0	11/01/2024	ND	206	103	200	0.119	
EXT DRO >C28-C36	<10.0	10.0	11/01/2024	ND					
Surrogate: 1-Chlorooctane	91.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.4	% 49.1-14	8						

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Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Reported: 11/04/2024

Project Name: SHANGHAI ROOSTER 15-3 FED 105H

11/01/2024

mg/kg

Project Number: 03C1558315

Project Location: XTO (32.12367-103.97186)

Sampling Date: 10/30/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS 123 2' (H246675-24)

Received:

BTEX 8021B

	9/	9	7						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/02/2024	ND	2.05	103	2.00	3.40	
Toluene*	<0.050	0.050	11/02/2024	ND	1.98	99.1	2.00	4.22	
Ethylbenzene*	<0.050	0.050	11/02/2024	ND	1.98	99.2	2.00	4.44	
Total Xylenes*	<0.150	0.150	11/02/2024	ND	5.89	98.2	6.00	4.48	
Total BTEX	<0.300	0.300	11/02/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.3	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	11/02/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	ed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2024	ND	217	109	200	1.94	
DRO >C10-C28*	<10.0	10.0	11/01/2024	ND	206	103	200	0.119	
EXT DRO >C28-C36	<10.0	10.0	11/01/2024	ND					
Surrogate: 1-Chlorooctane	94.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.4	% 49.1-14	8						

Analyzed By: JH

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Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 11/01/2024 Sampling Date: 10/30/2024

Reported: Sampling Type: Soil 11/04/2024

Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact Project Number: 03C1558315 Sample Received By: Tamara Oldaker

Project Location: XTO (32.12367-103.97186)

Sample ID: FS 124 2' (H246675-25)

BTEX 8021B	mg/kg		Analyze	Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/02/2024	ND	2.05	103	2.00	3.40	
Toluene*	<0.050	0.050	11/02/2024	ND	1.98	99.1	2.00	4.22	
Ethylbenzene*	<0.050	0.050	11/02/2024	ND	1.98	99.2	2.00	4.44	
Total Xylenes*	<0.150	0.150	11/02/2024	ND	5.89	98.2	6.00	4.48	
Total BTEX	<0.300	0.300	11/02/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	'kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	11/02/2024	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	11/01/2024	ND	217	109	200	1.94	
DRO >C10-C28*	<10.0	10.0	11/01/2024	ND	206	103	200	0.119	
EXT DRO >C28-C36	<10.0	10.0	11/01/2024	ND					
Surrogate: 1-Chlorooctane	96.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.4	% 49.1-14	8						

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Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 11/01/2024 Sampling Date: 10/30/2024

Reported: 11/04/2024 Sampling Type: Soil

Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact
Project Number: 03C1558315 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: XTO (32.12367-103.97186)

mg/kg

Sample ID: FS 125 2' (H246675-26)

BTEX 8021B

	9,	9	7	7: :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/03/2024	ND	2.05	103	2.00	3.40	
Toluene*	<0.050	0.050	11/03/2024	ND	1.98	99.1	2.00	4.22	
Ethylbenzene*	<0.050	0.050	11/03/2024	ND	1.98	99.2	2.00	4.44	
Total Xylenes*	<0.150	0.150	11/03/2024	ND	5.89	98.2	6.00	4.48	
Total BTEX	<0.300	0.300	11/03/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.6	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	11/02/2024	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	11/01/2024	ND	217	109	200	1.94	
DRO >C10-C28*	<10.0	10.0	11/01/2024	ND	206	103	200	0.119	
EXT DRO >C28-C36	<10.0	10.0	11/01/2024	ND					
Surrogate: 1-Chlorooctane	101	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.3	% 49.1-14	8						

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Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 11/01/2024

Reported: 11/04/2024 Project Name: SHANGHAI ROOSTER 15-3 FED 105H

Project Number: 03C1558315

Project Location: XTO (32.12367-103.97186) Sampling Date: 10/30/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact Tamara Oldaker Sample Received By:

Sample ID: FS 126 1' (H246675-27)

BTEX 8021B	mg/kg		Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/01/2024	ND	1.97	98.4	2.00	2.07	
Toluene*	<0.050	0.050	11/01/2024	ND	2.04	102	2.00	1.55	
Ethylbenzene*	< 0.050	0.050	11/01/2024	ND	2.05	102	2.00	1.61	
Total Xylenes*	<0.150	0.150	11/01/2024	ND	6.11	102	6.00	1.82	
Total BTEX	<0.300	0.300	11/01/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	11/02/2024	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	11/02/2024	ND	217	109	200	1.94	
DRO >C10-C28*	<10.0	10.0	11/02/2024	ND	206	103	200	0.119	
EXT DRO >C28-C36	<10.0	10.0	11/02/2024	ND					
Surrogate: 1-Chlorooctane	81.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	77.1	% 49.1-14	8						

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Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 11/01/2024 Sampling Date: 10/30/2024

Reported: Sampling Type: Soil 11/04/2024

Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact Tamara Oldaker Project Number: 03C1558315 Sample Received By:

Project Location: XTO (32.12367-103.97186)

Sample ID: FS 127 1' (H246675-28)

BTEX 8021B	mg/kg		Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/01/2024	ND	1.97	98.4	2.00	2.07	
Toluene*	<0.050	0.050	11/01/2024	ND	2.04	102	2.00	1.55	
Ethylbenzene*	<0.050	0.050	11/01/2024	ND	2.05	102	2.00	1.61	
Total Xylenes*	<0.150	0.150	11/01/2024	ND	6.11	102	6.00	1.82	
Total BTEX	<0.300	0.300	11/01/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 71.5-13	4						
Chloride, SM4500CI-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	11/02/2024	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	11/02/2024	ND	217	109	200	1.94	
DRO >C10-C28*	<10.0	10.0	11/02/2024	ND	206	103	200	0.119	
EXT DRO >C28-C36	<10.0	10.0	11/02/2024	ND					
Surrogate: 1-Chlorooctane	96.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.8	% 49.1-14	8						

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Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 11/01/2024 Sampling Date: 10/30/2024

Reported: Sampling Type: Soil 11/04/2024

Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact Project Number: 03C1558315 Sample Received By: Tamara Oldaker

Project Location: XTO (32.12367-103.97186)

Sample ID: FS 128 3' (H246675-29)

BTEX 8021B	mg,	mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/01/2024	ND	1.97	98.4	2.00	2.07	
Toluene*	<0.050	0.050	11/01/2024	ND	2.04	102	2.00	1.55	
Ethylbenzene*	<0.050	0.050	11/01/2024	ND	2.05	102	2.00	1.61	
Total Xylenes*	<0.150	0.150	11/01/2024	ND	6.11	102	6.00	1.82	
Total BTEX	<0.300	0.300	11/01/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500CI-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	11/02/2024	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	11/02/2024	ND	217	109	200	1.94	
DRO >C10-C28*	<10.0	10.0	11/02/2024	ND	206	103	200	0.119	
EXT DRO >C28-C36	<10.0	10.0	11/02/2024	ND					
Surrogate: 1-Chlorooctane	91.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	88.1	% 49.1-14	8						

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Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 11/01/2024 Sampling Date: 10/30/2024

Reported: 11/04/2024 Sampling Type: Soil

Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact
Project Number: 03C1558315 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: XTO (32.12367-103.97186)

mg/kg

Sample ID: FS 129 3' (H246675-30)

BTEX 8021B

DILX GOZID	mg/ kg		Alldiyzo	Alluly2cu Dy. 311					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/01/2024	ND	1.97	98.4	2.00	2.07	
Toluene*	<0.050	0.050	11/01/2024	ND	2.04	102	2.00	1.55	
Ethylbenzene*	<0.050	0.050	11/01/2024	ND	2.05	102	2.00	1.61	
Total Xylenes*	<0.150	0.150	11/01/2024	ND	6.11	102	6.00	1.82	
Total BTEX	<0.300	0.300	11/01/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	'kg	Analyze	ed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	11/02/2024	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	11/01/2024	ND	227	113	200	4.13	
DRO >C10-C28*	<10.0	10.0	11/01/2024	ND	226	113	200	7.40	
EXT DRO >C28-C36	<10.0	10.0	11/01/2024	ND					
Surrogate: 1-Chlorooctane	84.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	82.3	% 49.1-14	8						

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10/30/2024

Tamara Oldaker

Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 11/01/2024 Sampling Date:

Reported: 11/04/2024 Sampling Type: Soil
Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact

Project Number: 03C1558315 Sample Received By:

ma/ka

Project Location: XTO (32.12367-103.97186)

Sample ID: FS 130 1' (H246675-31)

RTFY 8021R

B1EX 8021B	тд/кд		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/01/2024	ND	1.97	98.4	2.00	2.07	
Toluene*	<0.050	0.050	11/01/2024	ND	2.04	102	2.00	1.55	
Ethylbenzene*	<0.050	0.050	11/01/2024	ND	2.05	102	2.00	1.61	
Total Xylenes*	<0.150	0.150	11/01/2024	ND	6.11	102	6.00	1.82	
Total BTEX	<0.300	0.300	11/01/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-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	11/02/2024	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	11/01/2024	ND	227	113	200	4.13	
DRO >C10-C28*	<10.0	10.0	11/01/2024	ND	226	113	200	7.40	
EXT DRO >C28-C36	<10.0	10.0	11/01/2024	ND					
Surrogate: 1-Chlorooctane	101	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101	% 49.1-14	8						

Applyzod By: 14

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Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 11/01/2024 Sampling Date: 10/30/2024

Reported: 11/04/2024 Sampling Type: Soil

Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact
Project Number: 03C1558315 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: XTO (32.12367-103.97186)

mg/kg

Sample ID: FS 131 3' (H246675-32)

BTEX 8021B

DIEX GOZID	mg/ kg		Analyzea by. 311						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/01/2024	ND	1.97	98.4	2.00	2.07	
Toluene*	<0.050	0.050	11/01/2024	ND	2.04	102	2.00	1.55	
Ethylbenzene*	<0.050	0.050	11/01/2024	ND	2.05	102	2.00	1.61	
Total Xylenes*	<0.150	0.150	11/01/2024	ND	6.11	102	6.00	1.82	
Total BTEX	<0.300	0.300	11/01/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	11/02/2024	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	11/01/2024	ND	227	113	200	4.13	
DRO >C10-C28*	<10.0	10.0	11/01/2024	ND	226	113	200	7.40	
EXT DRO >C28-C36	<10.0	10.0	11/01/2024	ND					
Surrogate: 1-Chlorooctane	104	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

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Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 11/01/2024 Sampling Date: 10/29/2024

Reported: 11/04/2024 Sampling Type: Soil

Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact
Project Number: 03C1558315 Sample Received By: Tamara Oldaker

Project Location: XTO (32.12367-103.97186)

Sample ID: SW 02 0-4' (H246675-33)

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	11/01/2024	ND	1.97	98.4	2.00	2.07	
Toluene*	<0.050	0.050	11/01/2024	ND	2.04	102	2.00	1.55	
Ethylbenzene*	<0.050	0.050	11/01/2024	ND	2.05	102	2.00	1.61	
Total Xylenes*	<0.150	0.150	11/01/2024	ND	6.11	102	6.00	1.82	
Total BTEX	<0.300	0.300	11/01/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1120	16.0	11/02/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2024	ND	227	113	200	4.13	
DRO >C10-C28*	147	10.0	11/01/2024	ND	226	113	200	7.40	
EXT DRO >C28-C36	<10.0	10.0	11/01/2024	ND					
Surrogate: 1-Chlorooctane	103	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	108	% 49.1-14	8						

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Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 11/01/2024 Sampling Date: 10/29/2024

Reported: 11/04/2024 Sampling Type: Soil

Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact
Project Number: 03C1558315 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: XTO (32.12367-103.97186)

Sample ID: SW 03 0-4' (H246675-34)

RTFY 8021R

B1EX 8021B	тд/кд		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/01/2024	ND	1.97	98.4	2.00	2.07	
Toluene*	<0.050	0.050	11/01/2024	ND	2.04	102	2.00	1.55	
Ethylbenzene*	<0.050	0.050	11/01/2024	ND	2.05	102	2.00	1.61	
Total Xylenes*	<0.150	0.150	11/01/2024	ND	6.11	102	6.00	1.82	
Total BTEX	<0.300	0.300	11/01/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-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	11/02/2024	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	11/01/2024	ND	227	113	200	4.13	
DRO >C10-C28*	<10.0	10.0	11/01/2024	ND	226	113	200	7.40	
EXT DRO >C28-C36	<10.0	10.0	11/01/2024	ND					
Surrogate: 1-Chlorooctane	106	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	110	% 49.1-14	8						

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Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 11/01/2024 Sampling Date: 10/29/2024

Reported: 11/04/2024 Sampling Type: Soil

Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact
Project Number: 03C1558315 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: XTO (32.12367-103.97186)

Sample ID: SW 04 0-4' (H246675-35)

RTFY 8021R

B1EX 8021B	mg	/ kg	Anaiyze	а ву: ЈН					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/01/2024	ND	1.97	98.4	2.00	2.07	
Toluene*	<0.050	0.050	11/01/2024	ND	2.04	102	2.00	1.55	
Ethylbenzene*	<0.050	0.050	11/01/2024	ND	2.05	102	2.00	1.61	
Total Xylenes*	<0.150	0.150	11/01/2024	ND	6.11	102	6.00	1.82	
Total BTEX	<0.300	0.300	11/01/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	11/02/2024	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2024	ND	227	113	200	4.13	
DRO >C10-C28*	<10.0	10.0	11/01/2024	ND	226	113	200	7.40	
EXT DRO >C28-C36	<10.0	10.0	11/01/2024	ND					
Surrogate: 1-Chlorooctane	103	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105	% 49.1-14	8						

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Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 11/01/2024 Sampling Date: 10/29/2024

Reported: 11/04/2024 Sampling Type: Soil

Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact
Project Number: 03C1558315 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: XTO (32.12367-103.97186)

Sample ID: SW 05 0-4' (H246675-36)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/01/2024	ND	1.97	98.4	2.00	2.07	
Toluene*	<0.050	0.050	11/01/2024	ND	2.04	102	2.00	1.55	
Ethylbenzene*	<0.050	0.050	11/01/2024	ND	2.05	102	2.00	1.61	
Total Xylenes*	<0.150	0.150	11/01/2024	ND	6.11	102	6.00	1.82	
Total BTEX	<0.300	0.300	11/01/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	11/02/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2024	ND	227	113	200	4.13	
DRO >C10-C28*	<10.0	10.0	11/01/2024	ND	226	113	200	7.40	
EXT DRO >C28-C36	<10.0	10.0	11/01/2024	ND					
Surrogate: 1-Chlorooctane	97.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101	% 49.1-14	8						

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Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 11/01/2024 Sampling Date: 10/29/2024

Reported: 11/04/2024 Sampling Type: Soil

Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact Project Number: 03C1558315 Sample Received By: Tamara Oldaker

Project Location: XTO (32.12367-103.97186)

Sample ID: SW 06 0-4' (H246675-37)

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	11/01/2024	ND	1.97	98.4	2.00	2.07	
Toluene*	<0.050	0.050	11/01/2024	ND	2.04	102	2.00	1.55	
Ethylbenzene*	<0.050	0.050	11/01/2024	ND	2.05	102	2.00	1.61	
Total Xylenes*	<0.150	0.150	11/01/2024	ND	6.11	102	6.00	1.82	
Total BTEX	<0.300	0.300	11/01/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 71.5-13	4						
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	11/02/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2024	ND	227	113	200	4.13	
DRO >C10-C28*	<10.0	10.0	11/01/2024	ND	226	113	200	7.40	
EXT DRO >C28-C36	<10.0	10.0	11/01/2024	ND					
Surrogate: 1-Chlorooctane	94.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.2	% 49.1-14	8						

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Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 11/01/2024 Sampling Date: 10/29/2024

Reported: 11/04/2024 Sampling Type: Soil

Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact
Project Number: 03C1558315 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: XTO (32.12367-103.97186)

Sample ID: SW 07 0-4' (H246675-38)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/01/2024	ND	1.97	98.4	2.00	2.07	
Toluene*	<0.050	0.050	11/01/2024	ND	2.04	102	2.00	1.55	
Ethylbenzene*	<0.050	0.050	11/01/2024	ND	2.05	102	2.00	1.61	
Total Xylenes*	<0.150	0.150	11/01/2024	ND	6.11	102	6.00	1.82	
Total BTEX	<0.300	0.300	11/01/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	11/03/2024	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2024	ND	227	113	200	4.13	
DRO >C10-C28*	<10.0	10.0	11/01/2024	ND	226	113	200	7.40	
EXT DRO >C28-C36	<10.0	10.0	11/01/2024	ND					
Surrogate: 1-Chlorooctane	105	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107	% 49.1-14	8						

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Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 11/01/2024 Sampling Date: 10/29/2024

Reported: 11/04/2024 Sampling Type: Soil

Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact Project Number: 03C1558315 Sample Received By: Tamara Oldaker

Project Location: XTO (32.12367-103.97186)

Sample ID: SW 08 0-4' (H246675-39)

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	11/01/2024	ND	1.97	98.4	2.00	2.07	
Toluene*	<0.050	0.050	11/01/2024	ND	2.04	102	2.00	1.55	
Ethylbenzene*	<0.050	0.050	11/01/2024	ND	2.05	102	2.00	1.61	
Total Xylenes*	<0.150	0.150	11/01/2024	ND	6.11	102	6.00	1.82	
Total BTEX	<0.300	0.300	11/01/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	11/03/2024	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2024	ND	227	113	200	4.13	
DRO >C10-C28*	<10.0	10.0	11/01/2024	ND	226	113	200	7.40	
EXT DRO >C28-C36	<10.0	10.0	11/01/2024	ND					
Surrogate: 1-Chlorooctane	109 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	109	% 49.1-14	8						

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Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 11/01/2024 Sampling Date: 10/29/2024

Reported: 11/04/2024 Sampling Type: Soil

Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact Project Number: 03C1558315 Sample Received By: Tamara Oldaker

Project Location: XTO (32.12367-103.97186)

Sample ID: SW 09 0-4' (H246675-40)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/01/2024	ND	1.97	98.4	2.00	2.07	
Toluene*	<0.050	0.050	11/01/2024	ND	2.04	102	2.00	1.55	
Ethylbenzene*	<0.050	0.050	11/01/2024	ND	2.05	102	2.00	1.61	
Total Xylenes*	<0.150	0.150	11/01/2024	ND	6.11	102	6.00	1.82	
Total BTEX	<0.300	0.300	11/01/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	11/03/2024	ND	416	104	400	3.77	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2024	ND	227	113	200	4.13	
DRO >C10-C28*	<10.0	10.0	11/01/2024	ND	226	113	200	7.40	
EXT DRO >C28-C36	<10.0	10.0	11/01/2024	ND					
Surrogate: 1-Chlorooctane	99.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102 9	% 49.1-14	8						

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Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 11/01/2024

Sampling Date: 10/29/2024

Reported: 11/04/2024 Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Type: Soil

Project Number: 03C1558315

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Project Location: XTO (32.12367-103.97186)

Sample ID: SW 10 0-4' (H246675-41)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/01/2024	ND	1.97	98.4	2.00	2.07	
Toluene*	<0.050	0.050	11/01/2024	ND	2.04	102	2.00	1.55	
Ethylbenzene*	<0.050	0.050	11/01/2024	ND	2.05	102	2.00	1.61	
Total Xylenes*	<0.150	0.150	11/01/2024	ND	6.11	102	6.00	1.82	
Total BTEX	<0.300	0.300	11/01/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	11/03/2024	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2024	ND	227	113	200	4.13	
DRO >C10-C28*	<10.0	10.0	11/01/2024	ND	226	113	200	7.40	
EXT DRO >C28-C36	<10.0	10.0	11/01/2024	ND					
Surrogate: 1-Chlorooctane	106	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	109	% 49.1-14	18						

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Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 11/01/2024 Sampling Date: 10/30/2024

Reported: 11/04/2024 Sampling Type: Soil

Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact
Project Number: 03C1558315 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: XTO (32.12367-103.97186)

mg/kg

Sample ID: SW 11 0-2' (H246675-42)

BTEX 8021B

	9,	9	7	7: 5::					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/01/2024	ND	1.97	98.4	2.00	2.07	
Toluene*	<0.050	0.050	11/01/2024	ND	2.04	102	2.00	1.55	
Ethylbenzene*	<0.050	0.050	11/01/2024	ND	2.05	102	2.00	1.61	
Total Xylenes*	<0.150	0.150	11/01/2024	ND	6.11	102	6.00	1.82	
Total BTEX	<0.300	0.300	11/01/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1300	16.0	11/03/2024	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2024	ND	227	113	200	4.13	
DRO >C10-C28*	<10.0	10.0	11/01/2024	ND	226	113	200	7.40	
EXT DRO >C28-C36	<10.0	10.0	11/01/2024	ND					
Surrogate: 1-Chlorooctane	101	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

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Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 11/01/2024 Sampling Date: 10/30/2024

Reported: Sampling Type: Soil 11/04/2024

Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker Project Number: 03C1558315

Project Location: XTO (32.12367-103.97186)

Sample ID: SW 12 0-3' (H246675-43)

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	11/01/2024	ND	1.97	98.4	2.00	2.07	
Toluene*	<0.050	0.050	11/01/2024	ND	2.04	102	2.00	1.55	
Ethylbenzene*	<0.050	0.050	11/01/2024	ND	2.05	102	2.00	1.61	
Total Xylenes*	<0.150	0.150	11/01/2024	ND	6.11	102	6.00	1.82	
Total BTEX	<0.300	0.300	11/01/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1500	16.0	11/03/2024	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2024	ND	227	113	200	4.13	
DRO >C10-C28*	733	10.0	11/01/2024	ND	226	113	200	7.40	
EXT DRO >C28-C36	382	10.0	11/01/2024	ND					
Surrogate: 1-Chlorooctane	102	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	110 9	% 49.1-14	8						

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10/30/2024

Tamara Oldaker

Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 11/01/2024 Sampling Date:

Reported: 11/04/2024 Sampling Type: Soil
Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact

Project Number: 03C1558315 Sample Received By:

Project Location: XTO (32.12367-103.97186)

Sample ID: SW 13 0-3' (H246675-44)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/01/2024	ND	1.97	98.4	2.00	2.07	
Toluene*	<0.050	0.050	11/01/2024	ND	2.04	102	2.00	1.55	
Ethylbenzene*	< 0.050	0.050	11/01/2024	ND	2.05	102	2.00	1.61	
Total Xylenes*	<0.150	0.150	11/01/2024	ND	6.11	102	6.00	1.82	
Total BTEX	<0.300	0.300	11/01/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1170	16.0	11/03/2024	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2024	ND	227	113	200	4.13	
DRO >C10-C28*	75.7	10.0	11/01/2024	ND	226	113	200	7.40	
EXT DRO >C28-C36	25.2	10.0	11/01/2024	ND					
Surrogate: 1-Chlorooctane	108	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	110	% 49.1-14	8						

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 11/01/2024 Sampling Date: 10/30/2024

Reported: 11/04/2024 Sampling Type: Soil

Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact Project Number: 03C1558315 Sample Received By: Tamara Oldaker

Project Location: XTO (32.12367-103.97186)

Sample ID: SW 14 0-3' (H246675-45)

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	11/01/2024	ND	1.97	98.4	2.00	2.07	
Toluene*	<0.050	0.050	11/01/2024	ND	2.04	102	2.00	1.55	
Ethylbenzene*	<0.050	0.050	11/01/2024	ND	2.05	102	2.00	1.61	
Total Xylenes*	<0.150	0.150	11/01/2024	ND	6.11	102	6.00	1.82	
Total BTEX	<0.300	0.300	11/01/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	11/03/2024	ND	416	104	400	3.77	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2024	ND	227	113	200	4.13	
DRO >C10-C28*	<10.0	10.0	11/01/2024	ND	226	113	200	7.40	
EXT DRO >C28-C36	<10.0	10.0	11/01/2024	ND					
Surrogate: 1-Chlorooctane	103 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104 9	% 49.1-14	8						

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Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 11/01/2024 Sampling Date: 10/30/2024

Reported: 11/04/2024 Sampling Type: Soil

Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact
Project Number: 03C1558315 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: XTO (32.12367-103.97186)

Sample ID: SW 15 0-3' (H246675-46)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/01/2024	ND	1.97	98.4	2.00	2.07	
Toluene*	<0.050	0.050	11/01/2024	ND	2.04	102	2.00	1.55	
Ethylbenzene*	<0.050	0.050	11/01/2024	ND	2.05	102	2.00	1.61	
Total Xylenes*	<0.150	0.150	11/01/2024	ND	6.11	102	6.00	1.82	
Total BTEX	<0.300	0.300	11/01/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	11/03/2024	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2024	ND	227	113	200	4.13	
DRO >C10-C28*	<10.0	10.0	11/01/2024	ND	226	113	200	7.40	
EXT DRO >C28-C36	<10.0	10.0	11/01/2024	ND					
Surrogate: 1-Chlorooctane	99.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101	% 49.1-14	8						

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Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 11/01/2024 Sampling Date: 10/30/2024

Reported: 11/04/2024 Sampling Type: Soil

Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact
Project Number: 03C1558315 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: XTO (32.12367-103.97186)

Sample ID: SW 16 0-3' (H246675-47)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/02/2024	ND	1.94	97.1	2.00	2.01	
Toluene*	<0.050	0.050	11/02/2024	ND	2.01	101	2.00	1.70	
Ethylbenzene*	<0.050	0.050	11/02/2024	ND	2.02	101	2.00	1.23	QM-07
Total Xylenes*	<0.150	0.150	11/02/2024	ND	6.03	100	6.00	1.18	QM-07
Total BTEX	<0.300	0.300	11/02/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	11/03/2024	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/02/2024	ND	227	113	200	4.13	
DRO >C10-C28*	<10.0	10.0	11/02/2024	ND	226	113	200	7.40	
EXT DRO >C28-C36	<10.0	10.0	11/02/2024	ND					
Surrogate: 1-Chlorooctane	102	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

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Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 11/01/2024 Sampling Date: 10/30/2024

Reported: 11/04/2024 Sampling Type: Soil

Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact
Project Number: 03C1558315 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: XTO (32.12367-103.97186)

Sample ID: SW 17 0-2' (H246675-48)

RTFY 8021R

B1EX 8021B	mg/	rky	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/02/2024	ND	1.94	97.1	2.00	2.01	
Toluene*	<0.050	0.050	11/02/2024	ND	2.01	101	2.00	1.70	
Ethylbenzene*	<0.050	0.050	11/02/2024	ND	2.02	101	2.00	1.23	
Total Xylenes*	<0.150	0.150	11/02/2024	ND	6.03	100	6.00	1.18	
Total BTEX	<0.300	0.300	11/02/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	11/03/2024	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/02/2024	ND	227	113	200	4.13	
DRO >C10-C28*	<10.0	10.0	11/02/2024	ND	226	113	200	7.40	
EXT DRO >C28-C36	<10.0	10.0	11/02/2024	ND					
Surrogate: 1-Chlorooctane	110 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	113 9	% 49.1-14	8						

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Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 11/01/2024 Sampling Date: 10/30/2024

Reported: 11/04/2024 Sampling Type: Soil

Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact
Project Number: 03C1558315 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: XTO (32.12367-103.97186)

Sample ID: SW 18 0-4' (H246675-49)

RTFY 8021R

B1EX 8021B	mg,	кg	Апануге	а ву: ЈН					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/02/2024	ND	1.94	97.1	2.00	2.01	
Toluene*	<0.050	0.050	11/02/2024	ND	2.01	101	2.00	1.70	
Ethylbenzene*	<0.050	0.050	11/02/2024	ND	2.02	101	2.00	1.23	
Total Xylenes*	<0.150	0.150	11/02/2024	ND	6.03	100	6.00	1.18	
Total BTEX	<0.300	0.300	11/02/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	11/03/2024	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/02/2024	ND	227	113	200	4.13	
DRO >C10-C28*	<10.0	10.0	11/02/2024	ND	226	113	200	7.40	
EXT DRO >C28-C36	<10.0	10.0	11/02/2024	ND					
Surrogate: 1-Chlorooctane	96.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.9	% 49.1-14	8						

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Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 11/01/2024 Sampling Date: 10/30/2024

Reported: 11/04/2024 Sampling Type: Soil

Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact
Project Number: 03C1558315 Sample Received By: Tamara Oldaker

Project Location: XTO (32.12367-103.97186)

Sample ID: SW 19 0-4' (H246675-50)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/02/2024	ND	1.94	97.1	2.00	2.01	
Toluene*	<0.050	0.050	11/02/2024	ND	2.01	101	2.00	1.70	
Ethylbenzene*	< 0.050	0.050	11/02/2024	ND	2.02	101	2.00	1.23	
Total Xylenes*	<0.150	0.150	11/02/2024	ND	6.03	100	6.00	1.18	
Total BTEX	<0.300	0.300	11/02/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	11/03/2024	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2024	ND	213	107	200	2.87	
DRO >C10-C28*	<10.0	10.0	11/01/2024	ND	217	109	200	1.01	
EXT DRO >C28-C36	<10.0	10.0	11/01/2024	ND					
Surrogate: 1-Chlorooctane	78.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	77.7	% 49.1-14	8						

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Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 11/01/2024

Reported: 11/04/2024

Project Name: SHANGHAI ROOSTER 15-3 FED 105H Project Number: 03C1558315

Project Location: XTO (32.12367-103.97186) Sampling Date: 10/30/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Sample ID: SW 20 0-4' (H246675-51)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/02/2024	ND	1.94	97.1	2.00	2.01	
Toluene*	<0.050	0.050	11/02/2024	ND	2.01	101	2.00	1.70	
Ethylbenzene*	<0.050	0.050	11/02/2024	ND	2.02	101	2.00	1.23	
Total Xylenes*	<0.150	0.150	11/02/2024	ND	6.03	100	6.00	1.18	
Total BTEX	<0.300	0.300	11/02/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 71.5-13	4						
Chloride, SM4500CI-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	11/03/2024	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2024	ND	213	107	200	2.87	
DRO >C10-C28*	<10.0	10.0	11/01/2024	ND	217	109	200	1.01	
EXT DRO >C28-C36	<10.0	10.0	11/01/2024	ND					
Surrogate: 1-Chlorooctane	90.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	88.1	% 49.1-14	8						

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Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 11/01/2024 Sampling Dat Reported: 11/04/2024 Sampling Typ

Project Name: SHANGHAI ROOSTER 15-3 FED 105H

Project Number: 03C1558315

Project Location: XTO (32.12367-103.97186)

Sampling Date: 10/30/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SW 21 0-4' (H246675-52)

RTFY 8021R

Result <0.050 <0.050 <0.050	Reporting Limit 0.050 0.050	Analyzed 11/02/2024 11/02/2024	Method Blank	BS 1.94	% Recovery 97.1	True Value QC	RPD	Qualifier
<0.050 <0.050	0.050		ND	1.94	07 1			
<0.050		11/02/2024			37.1	2.00	2.01	
			ND	2.01	101	2.00	1.70	
	0.050	11/02/2024	ND	2.02	101	2.00	1.23	
<0.150	0.150	11/02/2024	ND	6.03	100	6.00	1.18	
<0.300	0.300	11/02/2024	ND					
105	% 71.5-13	4						
mg,	/kg	Analyze	d By: AC					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
48.0	16.0	11/03/2024	ND	416	104	400	3.77	
mg,	/kg	Analyze	d By: MS					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<10.0	10.0	11/01/2024	ND	213	107	200	2.87	
<10.0	10.0	11/01/2024	ND	217	109	200	1.01	
<10.0	10.0	11/01/2024	ND					
83.7	% 48.2-13	4						
81.0	% 49.1-14	8						
	<0.150 <0.300 105 mg/ Result 48.0 mg/ Result <10.0 <10.0 <83.7	<0.150 0.150 <0.300 0.300 105	<0.150	<0.150	<0.150	<0.150 0.150 11/02/2024 ND 6.03 100 <0.300 0.300 11/02/2024 ND 6.03 100 105 % 71.5-134 Megy K Analyzed By: AC Result Reporting Limit Analyzed ND 416 104 Method Blank BS Mecovery <10.0	<0.150	<0.150

Applyzod By: 14

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Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 11/01/2024 Sampling Date: 10/30/2024

Reported: 11/04/2024 Sampling Type: Soil

Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact
Project Number: 03C1558315 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: XTO (32.12367-103.97186)

Sample ID: SW 22 0-4' (H246675-53)

RTFY 8021R

B1EX 8021B	mg,	кg	Апануге	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/02/2024	ND	1.94	97.1	2.00	2.01	
Toluene*	<0.050	0.050	11/02/2024	ND	2.01	101	2.00	1.70	
Ethylbenzene*	<0.050	0.050	11/02/2024	ND	2.02	101	2.00	1.23	
Total Xylenes*	<0.150	0.150	11/02/2024	ND	6.03	100	6.00	1.18	
Total BTEX	<0.300	0.300	11/02/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	11/03/2024	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2024	ND	213	107	200	2.87	
DRO >C10-C28*	<10.0	10.0	11/01/2024	ND	217	109	200	1.01	
EXT DRO >C28-C36	<10.0	10.0	11/01/2024	ND					
Surrogate: 1-Chlorooctane	93.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.9	% 49.1-14	8						

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Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 11/01/2024 Sampling Date: 10/30/2024

Reported: 11/04/2024 Sampling Type: Soil

Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact
Project Number: 03C1558315 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: XTO (32.12367-103.97186)

ma/ka

Sample ID: SW 23 0-1' (H246675-54)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	а ву: ЈН					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/02/2024	ND	1.94	97.1	2.00	2.01	
Toluene*	<0.050	0.050	11/02/2024	ND	2.01	101	2.00	1.70	
Ethylbenzene*	<0.050	0.050	11/02/2024	ND	2.02	101	2.00	1.23	
Total Xylenes*	<0.150	0.150	11/02/2024	ND	6.03	100	6.00	1.18	
Total BTEX	<0.300	0.300	11/02/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	11/03/2024	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2024	ND	213	107	200	2.87	
DRO >C10-C28*	<10.0	10.0	11/01/2024	ND	217	109	200	1.01	
EXT DRO >C28-C36	<10.0	10.0	11/01/2024	ND					
Surrogate: 1-Chlorooctane	95.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.9	% 49.1-14	8						

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Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 11/01/2024 Sampling Date: 10/30/2024

Reported: 11/04/2024 Sampling Type: Soil

Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact
Project Number: 03C1558315 Sample Received By: Tamara Oldaker

Project Location: XTO (32.12367-103.97186)

Sample ID: SW 24 0-4' (H246675-55)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/02/2024	ND	1.94	97.1	2.00	2.01	
Toluene*	<0.050	0.050	11/02/2024	ND	2.01	101	2.00	1.70	
Ethylbenzene*	<0.050	0.050	11/02/2024	ND	2.02	101	2.00	1.23	
Total Xylenes*	<0.150	0.150	11/02/2024	ND	6.03	100	6.00	1.18	
Total BTEX	<0.300	0.300	11/02/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	11/03/2024	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2024	ND	213	107	200	2.87	
DRO >C10-C28*	<10.0	10.0	11/01/2024	ND	217	109	200	1.01	
EXT DRO >C28-C36	<10.0	10.0	11/01/2024	ND					
Surrogate: 1-Chlorooctane	98.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.1	% 49.1-14	8						

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Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 11/01/2024 Sampling Date: 10/30/2024

Reported: 11/04/2024 Sampling Type: Soil Project Name: SHANGHAI ROOSTER 15-3 FED 105H

Sampling Condition: Cool & Intact Project Number: Sample Received By: 03C1558315 Tamara Oldaker

Project Location: XTO (32.12367-103.97186)

Sample ID: SW 25 0-3' (H246675-56)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/02/2024	ND	1.94	97.1	2.00	2.01	
Toluene*	<0.050	0.050	11/02/2024	ND	2.01	101	2.00	1.70	
Ethylbenzene*	<0.050	0.050	11/02/2024	ND	2.02	101	2.00	1.23	
Total Xylenes*	<0.150	0.150	11/02/2024	ND	6.03	100	6.00	1.18	
Total BTEX	<0.300	0.300	11/02/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	11/03/2024	ND	416	104	400	3.77	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2024	ND	213	107	200	2.87	
DRO >C10-C28*	<10.0	10.0	11/01/2024	ND	217	109	200	1.01	
EXT DRO >C28-C36	<10.0	10.0	11/01/2024	ND					
Surrogate: 1-Chlorooctane	88.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	85.4	% 49.1-14	8						

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Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 11/01/2024 Sampling Date: 10/30/2024

Reported: 11/04/2024 Sampling Type: Soil

Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact Project Number: 03C1558315 Sample Received By: Tamara Oldaker

Project Location: XTO (32.12367-103.97186)

Sample ID: SW 26 0-2' (H246675-57)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/02/2024	ND	1.94	97.1	2.00	2.01	
Toluene*	<0.050	0.050	11/02/2024	ND	2.01	101	2.00	1.70	
Ethylbenzene*	<0.050	0.050	11/02/2024	ND	2.02	101	2.00	1.23	
Total Xylenes*	<0.150	0.150	11/02/2024	ND	6.03	100	6.00	1.18	
Total BTEX	<0.300	0.300	11/02/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 71.5-13	4						
Chloride, SM4500CI-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	11/03/2024	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2024	ND	213	107	200	2.87	
DRO >C10-C28*	<10.0	10.0	11/01/2024	ND	217	109	200	1.01	
EXT DRO >C28-C36	<10.0	10.0	11/01/2024	ND					
Surrogate: 1-Chlorooctane	88.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	85.1	% 49.1-14	8						

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Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 11/01/2024 Sampling Date: 10/30/2024

Reported: 11/04/2024 Sampling Type: Soil

Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact
Project Number: 03C1558315 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: XTO (32.12367-103.97186)

Sample ID: SW 27 0-2' (H246675-58)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	а ву: ЈН					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/02/2024	ND	1.94	97.1	2.00	2.01	
Toluene*	<0.050	0.050	11/02/2024	ND	2.01	101	2.00	1.70	
Ethylbenzene*	<0.050	0.050	11/02/2024	ND	2.02	101	2.00	1.23	
Total Xylenes*	<0.150	0.150	11/02/2024	ND	6.03	100	6.00	1.18	
Total BTEX	<0.300	0.300	11/02/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	11/02/2024	ND	432	108	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2024	ND	213	107	200	2.87	
DRO >C10-C28*	<10.0	10.0	11/01/2024	ND	217	109	200	1.01	
EXT DRO >C28-C36	<10.0	10.0	11/01/2024	ND					
Surrogate: 1-Chlorooctane	88.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.1	% 49.1-14	8						

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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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Relinquished By:

Date: Time:

Received By:

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

Observed Temp. °C

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Cool Infact

Yes Yes

No No Sample Condition

CHECKED BY:

Turnaround Time:

ter ID #149

Standard Rush g,

Bacteria (only) Sample Condition
Cool Intact Observed Temp. °C

Yes Yes
No Corrected Temp. °C

REMARKS: MAP 24045061
Incident: WAP 24045061

@ensolum.com, TMorrissey@ensolum.com, kthomason@ensolum.com

6003300

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

PLEA analys service affiliate

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101 East Marland, Hobbs, NM 88240 ratories

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Relinquished By:

Time: 17200 Date: Time:

incurred by client, its subsidiaries

All Results are emailed. Please provide Email address:

□ Yes

□ No Add'l Phone #:

@ensolum.com, TMorrissey@ensolum.com, kthomason@ensolum.com

Sampler - UPS - Bus - Other:

Delivered By: (Circle One)

Observed Temp. °C

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

(Initials)

Turnaround Time: Cost Center:

Bacteria (only) Sample Condition Cool Intact Observed Temp. °C

Corrected Temp, °C

Incident: MAP 2/04/5061

Relinquished By

PLEASE

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

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Project Name: 5	Project Name: Shanafra, Proector 15-5 Fod105H	15-3 Fed10	15	_						Sta	State: NM	Z	3	N.	Zip:88220																
Project Location: 32.12	767	98166501-								Ph	Phone #:	##	"							_									_	_	
Sampler Name:	Joshua Basley	,								Fa	Fax #:						9				_								_	_	_
FOR LAB USE ONLY	/				П	_	MATRIX	굊			꿁	PRESERV	뙈	5	SAMPLING	LING	de		/	_	_								_	_	_
<u></u>	Sample I D	Depth	(C)OMP	IERS	VATER	TER					:						nlon	PH	TEV												
42416675		(reet)	(G)RAB (# CONTA	GROUND	NASTEW	SOIL	OIL	SLUDGE	OTHER:	CID/BAS	CE / COC	THER:	THER.	DATE	TIME	C		1												
21	15/20	I	C	-			X				-	X	-		10.18.01	1100	6	25	X	7	+		1		1		+		+	+	+
00	F5121	-	_	-								-			12.pt,0	105	_		-	+	+						+		+	+	-
N. C.	22.153	7										-		-	42.05,0	01110				+	-						-		-	+	+
24	65/25	12												_	0.3024	5500				1	+				_		-		+	+	+
26	F5124	2														010			-	+	-				_		+		+	+	+
22	F6125	"														1019			-	+	+				_		+		+	+	+
27	F5126	1												-		1050			4	+	+				4		+		+	+	+
38	F5/27	_												-		2201			1	+	+			1	-		+		+	+	+
29	FS 128	1	_	-												1040				+	+				-		+		+		+
C V V V V V V V V V	F6179	V	0	-			4					6			45.020	カエロ	5	\$	4	3	+			1	+		+		+	-	+

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

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

Company Name: Ensolum, LLC	Ensolum, LLC			BILL TO		Δ,	ANAI YSIS BEOLIEST	IECT
Project Manager:	N MARIO	W1.7564		P.O. #:			- 1	
Address: 3122 N	T S	i i		Company: XTO Energy Inc.	v inc.		_	
City: Carlsbad		State: NM	Zip: 88220	Attn: Amy Ruth Colpn	z Ram			
Phone #: 33	1 257 870 7	Fax #:			n St		_	
Project #: 0%	1558315	Project Owner: XTO	r: XTO	City: Carlsbad			_	
Project Name: 5 Manua Na.	handhai Roector	5	HS	State: NM Zip:88220	6	_	_	
Project Location:	27.12	103.47					_	
Sampler Name:	Joshua Bed	ey		Fax #:	5			
FOR LAB USE ONLY		/	MATRIX	ESERV.	SAMPLING	/		
Lab I.D.	Sample I.D.	Depth (feet)	B OR (C)OMP TAINERS NDWATER EWATER	BASE:	Chloni	BTEX		
H246675			# CO GRO	OTHE ACID/ ICE / OTHE DATE	TIME			
in	62/20	4-	\(\frac{1}{2}\)	M 10.50.74	1 00 M	X		
700	6161	A U		10.30.74	-			
75	5W03				120			
200	SWOH				1145			
36	SOMY				1150			
100	SMOP				1155			
×20	LONS				arr			
100	80WS				225			
PLEASE NOTE: Liability and	POMS	0 - 1		10,79,74	1230 10	MIMIM		
analyses. All claims including service. In no event shall Carc affiliates or successors arising	Leaving and Damages. Cardinals: liability at its including those for negligence and any on the shall Cardinal be liable for incidental or on statement of or related to the perform.	id client's exclusive remedy for an wher cause whatsoever shall be d consequental damages, including ance of services hereunder by Ca	y claim arising whether be eemed walved unless ma without limitation, business ardinal, regardless of whet	eed in contract or tort, shall be limited to the amount paid by the client it do in writing and received by Cardinal whith 30 days after completion of sinterruptions, loss of use, or loss of profits incurred by client, its subsidial between the client part of the profits incurred by client, its subsidial between the client part of the profits of the client of the client part of the client p	id by the client for the er completion of the applicable client, its subsidiaries,	,		
Keiiiiquisned by:	The state of the s	Time: 200	Received By:	and all the	esult:	Verbal Result: ☐ Yes ☐ No Add'i Phone #: All Results are emailed. Please provide Email address: ———————————————————————————————————	Add'I Phone #: vide Email address: lorrissey@ensolum.com,	☐ Yes ☐ No Add'i Phone #: mailed. Please provide Email address: @ensolum.com, TMorrissey@ensolum.com, kthomason@ensolum.co
Kelinquisned By:		Date:	Received By:		Incident: WAP 2 Cost Center: 150	40033jool		
Sampler - UPS - Bus - Ott	er DPS - Bus - Other:	Corrected Temp. °C	Sample Condition Cool Intact Yes Yes No No	ON CHECKED BY:	Thermometer ID #14:	ne: Standard Rush Rush	Bacteria (only) S Cool Intact Yes Yes	ample Condition Observed Temp. °C Corrected Temp. °C
CONVINCE N	3.2 10/0//21						The state of the s	Collected leliby C

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

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

(0.0)	013) 333-2320 FAX (3/3) 393-24/6	24/6			\ 00A
company Name: Ensolum, LLC	m, LLC		BILL TO		ANALYSIS REQUEST
Project Manager: \ \\\ \(\mathcal{U} \)	acomo Morrissey	P	P.O. #:		
Address: 3122 National Parks Hwy	Parks Hwy	0	Company: XTO Energy Inc.	Inc.	
City: Carlsbad		Zip: 88220 A	Attn: Amy Ruth= Colton	Barn	_
Phone #: 337 257	670 7 Fax #:	A	Address: 3104 E Green St	St	
Project #: 0% 1556	3/5 Project Owner: XTO		City: Carlsbad		
Project Name: 5 Many Mal	al Roughor 15-3 Fed10	HS	State: NM Zip:88220		
Project Location: 3 2.	2367 -10547186	P			
Sampler Name: Joshwa	Boxley	-	Fax #:	5	
FOR LAB USE ONLY	/	MATRIX	PRESERV. SAMPLING		
Lab I.D. Sam	Sample I.D. Depth (feet)		BASE:	Chlon TPH BTEX	
HILHIGHTS		# CO GRO	ACID	TIME	
11 7 24 01 MG 14	7,0	X	(O.24,24)	XXX SEL	
	2		100/0	1000	
1 my ph	13			110	
18 SW1	1			1120	
MS 34	_			1128	
	10			(1.20	
2				175	
W 47 5W	2000	3	+	126	
_	Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or fort, shall be limited to the amount paid by the client for the	any claim arising whether based in contract or to	xt, shall be limited to the amount paid by	withe client for the	
analyses. All claims including those for negligence and any or service. In no event shall Cardinal be liable for incidental or a affiliates or successors arising out of or related to the perform	analyses. All claims including those for negligence and any other cause whatscever shall be deemed waved unless made in writing and received by Cardinal within 30 days after completion of the application. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by claim is subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.	deemed waived unless made in willing and reciping without limitation, business interruptions, loss Cardinal, regardless of whether such claim is be	de in writing and received by Cardinal within 30 days after or sinterruptions, loss of use, or loss of profiles incurred by client ther such claim is based upon any of the above stated reason	uni plac by the cleant for the year after completion of the applicable vel by client, its subaddaries, ated reasons or oftenwise.	
Men of the state o	M 11me: 280	Received By:	Makey	Verbal Result: ☐ Yes ☐ No Add'i Phone #: All Results are emailed. Please provide Email address: @ensolum.com; TMorrissev@ensolum	☐ Yes ☐ No Add'i Phone #: mailed. Please provide Email address: @ensolum.com, TMorrissev@ensolum.com, kthomason@ensolum.com
: 3/31/Relinquished By:	Date:	Received By:		REMARKS: AP 2/24/506//	
	Observed Tamp. °C Corrected Tamp. °C	S7 Sample Con Cool / Intra	CHECKED BY: T	me: Standard Rush	Bacteria (only) (Cool Intact
FURM-006 K 3.2 10/07/2	1121	NO NO		10.1111	124 No Corrected Temp, °C



Company Name: Ensolum, LLC	Ensolum, LLC			BILL TO			(
Project Manager:	v manso	ON, 7564		P.O. #:		ANALYSIS REQUEST	
Address: 3122 N	Address: 3122 National Parks Hwy			Company: XTO Energy Inc.			
City: Carlsbad		State: NM	Zip: 88220	Attn: Anny Reth Colb	72		
Phone #: 33	757 870 7	Fax #:		Address: 3104 E Green St	St		
Project #: 0%	1588315	Project Owner: XTO		City: Carlsbad			
Project Name: 5 Nava	nai Roug	tor 15-3 Fed 105H		State: NM Zip:88220			
Project Location:	32.17.367	-10597186					
Sampler Name:	Joshua Ba	0		none m.	7		
FOR LAB USE ONLY	1 Sal under	1	L	1	L		
TON DO USE ONLY			P. MATRIX	PRESERV. SAMPLING	LING		
Labin	Sample I D	Depth	VATER		Non		
424 W.S.	cample i.b.	(feet)	UDGE	THER: CID/BASE: E / COOL THER:	CV		
(5	25 M.S	20	# V S S C S	A CO	I IME		
52 1	12 pm	100		_	77.7		
S	5×22	2,0			120		
107	1	01			1255		
5	101	N C			1305		
50	10123				310		
SS.	4.127	30/1			335		
	2			N. 10.70.14	N N OHE		
							S QC
PLEASE NOTE: Liability and D analyses, All claims including the	Liability and Damages. Cardinal's liability and client's exclusive rem ms including those for negligence and any other cause whatsoever	client's exclusive remedy for an	PLEASE NOTE: Liability and Damages. Cardinal's liability and clear'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 amount paid by the client for the	ort, shall be limited to the amount paid			-
Relinguished By:	sing out of or related to the performa	nsequental damages, including noe of services hereunder by Ca	affiliates or successors arising out of or related to the performance of services hereunder by Carlest, repardless of whether such claim is based upon any of the above stated reasons or otherwise. Relinquished By:	of use, or loss of profits incurred by clie sed upon any of the above stated reas	dient, its subsidiaries,		
	M	771-1-14	Neceived by:	11/10	Verbal Result:	Add'l Phone #:	
Relinguished By:	an !	11me: 1200	Munich	Alles SA	@ensolum.com, TMorrissey@ensolum	@ensolum.com, TMorrissey@ensolum.com, kthomason@ensolum.com	@ensolum.com
		Time:	Neceived By:		REMARKS: MAP 24 m4 50611 Incident: MAP 24 m4 50611 Cost Center: 1600 7 2		
Sampler - IJPS - Bus Other		ď	S, 7 Sample Condition	CHECKED BY: 1	Turnaround Time: Standard	Bacteria (only) Sample Condition	lition
FORM-000 R			O, / No No No	Ye,	Correction Factor -0.8°C 70-11/1	Yes Yes No Corrected Temp. °C	emp. °C
		T cardinal ca	innot accept verbal change	es. Please email chang	cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com		



December 20, 2024

TACOMA MORRISSEY

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: SHANGHAI ROOSTER 15-3 FED 105H

Enclosed are the results of analyses for samples received by the laboratory on 12/18/24 12:38.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab accredited certif.html.

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

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

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

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

Method EPA 552.2 Total Haloacetic Acids (HAA-5)

Celey D. Keene

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

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

Reported:

20-Dec-24 10:06



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

Analytical Results For:

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Project: SHANGHAI ROOSTER 15-3 FED 10!

Project Number: 03C1558315

Project Manager: TACOMA MORRISSEY

Fax To:

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
FS 29 A	H247646-01	Soil	18-Dec-24 10:07	18-Dec-24 12:38

^{***} Samples recieved the same day as sampling. Insufficient time to reach temperature of 6C and below.

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Celey D. Keine



Analytical Results For:

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Project: SHANGHAI ROOSTER 15-3 FED 10!

Project Number: 03C1558315

Project Manager: TACOMA MORRISSEY

Fax To:

Reported: 20-Dec-24 10:06

FS 29 A H247646-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	48.0		16.0	mg/kg	4	4121819	CT	18-Dec-24	4500-Cl-B	
Volatile Organic Compound	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	4121811	JН	18-Dec-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4121811	JH	18-Dec-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4121811	JH	18-Dec-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4121811	JH	18-Dec-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4121811	JH	18-Dec-24	8021B	
Surrogate: 4-Bromofluorobenzene (P	PID)		101 %	71.5	-134	4121811	JH	18-Dec-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4121813	MS	18-Dec-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4121813	MS	18-Dec-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4121813	MS	18-Dec-24	8015B	
Surrogate: 1-Chlorooctane			105 %	48.2	-134	4121813	MS	18-Dec-24	8015B	
Surrogate: 1-Chlorooctadecane			111 %	49.1	-148	4121813	MS	18-Dec-24	8015B	

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Analytical Results For:

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Project: SHANGHAI ROOSTER 15-3 FED 10!

Project Number: 03C1558315

Project Manager: TACOMA MORRISSEY

Fax To:

Reported: 20-Dec-24 10:06

Inorganic Compounds - Quality Control

Cardinal Laboratories

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 4121819 - 1:4 DI Water										
Blank (4121819-BLK1)				Prepared &	Analyzed:	18-Dec-24				
Chloride	ND	16.0	mg/kg							
LCS (4121819-BS1)				Prepared &	Analyzed:	18-Dec-24				
Chloride	432	16.0	mg/kg	400		108	80-120			
LCS Dup (4121819-BSD1)				Prepared &	Analyzed:	18-Dec-24				
Chloride	432	16.0	mg/kg	400		108	80-120	0.00	20	

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%REC

Limits

RPD

Analytical Results For:

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220

Analyte

Total Xylenes

Project: SHANGHAI ROOSTER 15-3 FED 10!

Reported: 20-Dec-24 10:06

RPD

Limit

Notes

Project Number: 03C1558315

Reporting

Limit

0.150

Result

6.31

Project Manager: TACOMA MORRISSEY

Spike

Level

6.00

Source

Result

%REC

105

88.2-128

Fax To:

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

Units

Batch 4121811 - Volatiles							
Blank (4121811-BLK1)				Prepared & Anal	yzed: 18-Dec-24	ļ.	
Benzene	ND	0.050	mg/kg				
Toluene	ND	0.050	mg/kg				
Ethylbenzene	ND	0.050	mg/kg				
Total Xylenes	ND	0.150	mg/kg				
Total BTEX	ND	0.300	mg/kg				
Surrogate: 4-Bromofluorobenzene (PID)	0.0510		mg/kg	0.0500	102	71.5-134	
LCS (4121811-BS1)				Prepared & Anal	yzed: 18-Dec-24	ļ	
Benzene	1.95	0.050	mg/kg	2.00	97.7	82.8-130	
Toluene	2.01	0.050	mg/kg	2.00	101	86-128	
Ethylbenzene	1.96	0.050	mg/kg	2.00	97.8	85.9-128	
m,p-Xylene	4.31	0.100	mg/kg	4.00	108	89-129	
o-Xylene	2.01	0.050	mg/kg	2.00	100	86.1-125	

Surrogate: 4-Bromofluorobenzene (PID)	0.0508		mg/kg	0.0500	102	71.5-134			
LCS Dup (4121811-BSD1)	Prepared & Analyzed: 18-Dec-24								
Benzene	1.94	0.050	mg/kg	2.00	96.8	82.8-130	0.920	15.8	
Toluene	1.96	0.050	mg/kg	2.00	98.1	86-128	2.47	15.9	
Ethylbenzene	1.89	0.050	mg/kg	2.00	94.6	85.9-128	3.31	16	
m,p-Xylene	4.15	0.100	mg/kg	4.00	104	89-129	3.64	16.2	
o-Xylene	1.93	0.050	mg/kg	2.00	96.6	86.1-125	3.75	16.7	
Total Xylenes	6.08	0.150	mg/kg	6.00	101	88.2-128	3.68	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0509		mg/kg	0.0500	102	71.5-134			

mg/kg

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Celey D. Keene



%REC

Limits

RPD

Analytical Results For:

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220

Analyte

Surrogate: 1-Chlorooctane

Surrogate: 1-Chlorooctadecane

Project: SHANGHAI ROOSTER 15-3 FED 10!

Source

Result

%REC

115

113

48.2-134

49.1-148

Project Number: 03C1558315

Spike

Level

50.0

50.0

Project Manager: TACOMA MORRISSEY

Fax To:

Reporting

Limit

Result

57.6

56.5

Reported: 20-Dec-24 10:06

RPD

Limit

Notes

Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Units

Blank (4121813-BLK1)				Prepared & Anal	lyzed: 18-Dec-24	ļ			
GRO C6-C10	ND	10.0	mg/kg						
DRO >C10-C28	ND	10.0	mg/kg						
EXT DRO >C28-C36	ND	10.0	mg/kg						
Surrogate: 1-Chlorooctane	53.6		mg/kg	50.0	107	48.2-134			
Surrogate: 1-Chlorooctadecane	54.7		mg/kg	50.0	109	49.1-148			
LCS (4121813-BS1)				Prepared & Anal	lyzed: 18-Dec-24	ŀ			
GRO C6-C10	205	10.0	mg/kg	200	103	81.5-123			
DRO >C10-C28	198	10.0	mg/kg	200	98.8	77.7-122			
Total TPH C6-C28	403	10.0	mg/kg	400	101	80.9-121			
Surrogate: 1-Chlorooctane	57.6		mg/kg	50.0	115	48.2-134			
Surrogate: 1-Chlorooctadecane	56.5		mg/kg	50.0	113	49.1-148			
LCS Dup (4121813-BSD1)				Prepared & Anal	lyzed: 18-Dec-24	ļ			
GRO C6-C10	209	10.0	mg/kg	200	105	81.5-123	1.98	13	
DRO >C10-C28	199	10.0	mg/kg	200	99.3	77.7-122	0.463	15.6	
Total TPH C6-C28	408	10.0	mg/kg	400	102	80.9-121	1.24	18.5	

mg/kg

mg/kg

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Celey D. Keene



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

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Ensolum	um		BILL TO	ANALYSIS F	REQUEST	Ļ
Project manager: Tacoma Morrissey	ma Morrissey	9	P.O. #:			
Address: 3122 National Parks Hwy	I Parks Hwy	0	Company: XTO Energy			
City: Carlsbad	State: NM ZIP: 88220		Attn: Colton Brown			
Phone #: 337-257-8307		Þ	Address: 3104 E Greene st.			
Project #: 0	03C1558315	0	City: Carlsbad			
Project Name:	Shanghai Rooster 15-3 Fed 105H	S	State: IN Zip: 88220			
Project Location: 3	32.12367, -103.97186	70	Phone #:	: 0		
Sampler Name:	Uriel Santillana		Fax #:	- 1		
FOR LAB USE ONLY		MATRIX	PRESERV. SAMPLING) [
tab I.D.	Sample I.D.	(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:	ACID/BASE: ICE / COOL OTHER :	TIME O RO		
	F5 29A	1 X	12/18/24	XX X +001		
						()
					sc made in unition and received by Cardinal within 30 days after normale	
Applicable service. In no event shall Cardinal be liable for inclination or successors arising out of or related to the perform.	exclusive remedy for any dental or consequents ance of services hereu	commands precede bases in command use, and as mendo as mendo a period as the commands of the c	s of profits incurred by client, its subsidiaries, we stated reasons or otherwise.			
0:12:Relinquished By:	Time; 2 2	24 Received By:		Verbal Result: ☐ Yes ☐ No tmorrissey@ensolum.com kthomason@ensol	No Add'I Phone #: kthomason@ensolum.com usantillana@ensolum.com	
2025 Pelinquished By:		Received By:		REMARKS: Incident Number: nAPP2400450611	Cost Code: 1800331001	
Selivered By: (Circle One)	Observed Temp. °C Other: Corrected Temp. °C	Sample Condition Cool Infact C	CHECKED.8Y: To (Initials)	Turnaround Time: Standard Bacteria (coty) Sample Con Roush 24 h C Cool what Observed Temp. 'C Thermometer ID #140 Correction Factor - O . C	dition Yes Yes Yes	



APPENDIX B

Photographic Log



Photographic Log

XTO Energy, Inc.
Shanghai Rooster 15-3 Fed 105H
Incident Number: nAPP2400450611





Photograph: 1 Date: 2/10/2025

Description: Confirmation soil sampling

View: Southeast

Photograph: 2 Date: 2/10/2025

Description: Confirmation soil sampling

View: Southwest





Photograph: 3 Date: 2/10/2025

Description: Confirmation soil sampling

View: Northwest

Photograph: 4 Date: 2/10/2025

Description: Confirmation soil sampling

View: Northeast



APPENDIX C

Laboratory Analytical Reports & Chain of Custody Documentation



February 12, 2025

TACOMA MORRISSEY
ENSOLUM
3122 NATIONAL PARKS HWY
CARLSBAD, NM 88220

RE: SHANGHAI ROOSTER 15-3 FED 105H

Enclosed are the results of analyses for samples received by the laboratory on 02/11/25 13:05.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab accred certif.html.

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keene

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 02/11/2025 Sampling Date: 02/10/2025

Reported: 02/12/2025 Sampling Type: Soil

Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact
Project Number: 03C1558315 Sample Received By: Tamara Oldaker

A I J D. ... 711

Project Location: XTO (32.12367-103.97186)

Sample ID: CS 01 0.5' (H250817-01)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/11/2025	ND	1.83	91.5	2.00	4.95	
Toluene*	<0.050	0.050	02/11/2025	ND	2.02	101	2.00	0.885	
Ethylbenzene*	<0.050	0.050	02/11/2025	ND	2.00	99.8	2.00	1.17	
Total Xylenes*	<0.150	0.150	02/11/2025	ND	5.47	91.1	6.00	5.81	
Total BTEX	<0.300	0.300	02/11/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7200	16.0	02/12/2025	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/11/2025	ND	222	111	200	1.64	
DRO >C10-C28*	550	10.0	02/11/2025	ND	218	109	200	3.75	
EXT DRO >C28-C36	171	10.0	02/11/2025	ND					
Surrogate: 1-Chlorooctane	78.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	80.6	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 02/11/2025 S

Reported: 02/12/2025

Project Name: SHANGHAI ROOSTER 15-3 FED 105H

Project Number: 03C1558315

Project Location: XTO (32.12367-103.97186)

Sampling Date: 02/10/2025

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: CS 02 0.5' (H250817-02)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/11/2025	ND	1.83	91.5	2.00	4.95	
Toluene*	<0.050	0.050	02/11/2025	ND	2.02	101	2.00	0.885	
Ethylbenzene*	<0.050	0.050	02/11/2025	ND	2.00	99.8	2.00	1.17	
Total Xylenes*	<0.150	0.150	02/11/2025	ND	5.47	91.1	6.00	5.81	
Total BTEX	<0.300	0.300	02/11/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8720	16.0	02/12/2025	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/11/2025	ND	222	111	200	1.64	
DRO >C10-C28*	550	10.0	02/11/2025	ND	218	109	200	3.75	
EXT DRO >C28-C36	147	10.0	02/11/2025	ND					
Surrogate: 1-Chlorooctane	91.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.4	% 49.1-14	8						

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Celey & Keene



Sample Received By:

02/10/2025

Tamara Oldaker

Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 02/11/2025 Sampling Date:

Reported: 02/12/2025 Sampling Type: Soil
Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact

Project Number: 03C1558315

Project Location: XTO (32.12367-103.97186)

Sample ID: CS 03 0.5' (H250817-03)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/11/2025	ND	1.83	91.5	2.00	4.95	
Toluene*	<0.050	0.050	02/11/2025	ND	2.02	101	2.00	0.885	
Ethylbenzene*	<0.050	0.050	02/11/2025	ND	2.00	99.8	2.00	1.17	
Total Xylenes*	<0.150	0.150	02/11/2025	ND	5.47	91.1	6.00	5.81	
Total BTEX	<0.300	0.300	02/11/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	9600	16.0	02/12/2025	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/11/2025	ND	222	111	200	1.64	
DRO >C10-C28*	560	10.0	02/11/2025	ND	218	109	200	3.75	
EXT DRO >C28-C36	156	10.0	02/11/2025	ND					
Surrogate: 1-Chlorooctane	90.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.6	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 02/11/2025 Sampling Date: 02/10/2025

Reported: 02/12/2025 Sampling Type: Soil

Project Name: SHANGHAI ROOSTER 15-3 FED 105H Sampling Condition: Cool & Intact
Project Number: 03C1558315 Sample Received By: Tamara Oldaker

Project Location: XTO (32.12367-103.97186)

Sample ID: CS 04 0.5' (H250817-04)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/11/2025	ND	1.83	91.5	2.00	4.95	
Toluene*	<0.050	0.050	02/11/2025	ND	2.02	101	2.00	0.885	
Ethylbenzene*	<0.050	0.050	02/11/2025	ND	2.00	99.8	2.00	1.17	
Total Xylenes*	<0.150	0.150	02/11/2025	ND	5.47	91.1	6.00	5.81	
Total BTEX	<0.300	0.300	02/11/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8660	16.0	02/12/2025	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/11/2025	ND	222	111	200	1.64	
DRO >C10-C28*	454	10.0	02/11/2025	ND	218	109	200	3.75	
EXT DRO >C28-C36	133	10.0	02/11/2025	ND					
Surrogate: 1-Chlorooctane	75.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	77.4	% 49.1-14	18						

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Celey D. Kreine



Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 02/11/2025 Reported: 02/12/2025

Project Name: SHANGHAI ROOSTER 15-3 FED 105H

Project Number: 03C1558315

Project Location: XTO (32.12367-103.97186)

Sampling Date: 02/10/2025

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: CS 05 0.5' (H250817-05)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/11/2025	ND	1.83	91.5	2.00	4.95	
Toluene*	<0.050	0.050	02/11/2025	ND	2.02	101	2.00	0.885	
Ethylbenzene*	<0.050	0.050	02/11/2025	ND	2.00	99.8	2.00	1.17	
Total Xylenes*	<0.150	0.150	02/11/2025	ND	5.47	91.1	6.00	5.81	
Total BTEX	<0.300	0.300	02/11/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	14						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8530	16.0	02/12/2025	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/11/2025	ND	222	111	200	1.64	
DRO >C10-C28*	448	10.0	02/11/2025	ND	218	109	200	3.75	
EXT DRO >C28-C36	116	10.0	02/11/2025	ND					
Surrogate: 1-Chlorooctane	90.9	% 48.2-13	14						
Surrogate: 1-Chlorooctadecane	90.9	% 49.1-14	18						

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Celey D. Keine



Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received: 02/11/2025 Reported: 02/12/2025

Project Name: SHANGHAI ROOSTER 15-3 FED 105H

Project Number: 03C1558315

Project Location: XTO (32.12367-103.97186) Sampling Date: 02/10/2025

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Sample ID: CS 06 0.5' (H250817-06)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/11/2025	ND	1.83	91.5	2.00	4.95	
Toluene*	<0.050	0.050	02/11/2025	ND	2.02	101	2.00	0.885	
Ethylbenzene*	<0.050	0.050	02/11/2025	ND	2.00	99.8	2.00	1.17	
Total Xylenes*	<0.150	0.150	02/11/2025	ND	5.47	91.1	6.00	5.81	
Total BTEX	<0.300	0.300	02/11/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 5	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8800	16.0	02/12/2025	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/11/2025	ND	222	111	200	1.64	
DRO >C10-C28*	489	10.0	02/11/2025	ND	218	109	200	3.75	
EXT DRO >C28-C36	136	10.0	02/11/2025	ND					
Surrogate: 1-Chlorooctane	94.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.4	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

ENSOLUM TACOMA MORRISSEY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

 Received:
 02/11/2025
 Sar

 Reported:
 02/12/2025
 Sar

Project Name: SHANGHAI ROOSTER 15-3 FED 105H

Project Number: 03C1558315

Project Location: XTO (32.12367-103.97186)

Sampling Date: 02/10/2025

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: CS 07 0.5' (H250817-07)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/11/2025	ND	1.83	91.5	2.00	4.95	
Toluene*	<0.050	0.050	02/11/2025	ND	2.02	101	2.00	0.885	
Ethylbenzene*	<0.050	0.050	02/11/2025	ND	2.00	99.8	2.00	1.17	
Total Xylenes*	<0.150	0.150	02/11/2025	ND	5.47	91.1	6.00	5.81	
Total BTEX	<0.300	0.300	02/11/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	11200	16.0	02/12/2025	ND	416	104	400	0.00	QM-07
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/11/2025	ND	222	111	200	1.64	
DRO >C10-C28*	449	10.0	02/11/2025	ND	218	109	200	3.75	
EXT DRO >C28-C36	112	10.0	02/11/2025	ND					
Surrogate: 1-Chlorooctane	82.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	83.4	% 49.1-14	18						

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

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

affected.

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS

ecovery.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

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Project Manager: Toom, LLC		BILL TO	
Address: 3122 National Parks Hwy	Unissey	P.O. #:	AWALTOIO REQUEST
City: Carlsbad	NIM	Company: XTO Energy Inc.	
Phone #: 337 257-8307	Fax #: Lip: 88220	n	
Project #: 03C1558315	Project Owner: XTO	City Carlehad	
Project Name: Shanghai Roc	Shanghai Rooster 15-3 Fed 105H	NIM OF	
Project Location:		State: NM Zip: 08220	
Sampler Name: Connor Whitman		Phone #:	
FOR LAB USE ONLY		Fax#:	
	3	PRESERV. SAMPLING	
Lab I.D. Sample I.D. #250817	(feet) (feet) (G)RAB OR (C)O # CONTAINERS GROUNDWATER WASTEWATER GOIL GLUDGE		
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inligent. All claims including those for negligence and any other whole. In no event shall cardinal be liable for incidental or consistent or successors whiting out of or related to the performance fellinguished By:	including blose for negligence and any other causes remot) for any claim arising whether begade to contract or tort, shall be limited to the amount paid by the client for the shall be demonsted valued unless made in writing and received by Cardinal within 30 days after completion of the applicable has arising out or related to the performance of services hereunder by Cardinal selfs, business interruptions, looss of use, or looss of pools in curred by dient, its subsidiaries, business interruptions, looss of use, or looss of pools in curred by dient, its subsidiaries, and by the subsidiaries of the performance of services hereunder by Cardinal (eggleties of whether such daim is based upon any of the above stated reason or otherwise.) Date:	ort, shall be limited to the amount paid by the client for the releved by Cardinal within 30 days after completion of the applicable of use, or loss of profits incurred by client, its subsidiaries, used upon any of the above stated respons or otherwise.	
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livered Br. 121 Land	Time:	REMARKS: Cost Center: 188033100	1880331001 Incident ID: nAPP2400450611
ampler - UPS - Bus - Other: Carro	Currences Temp. °C Q.O Sample Condition Cool Miact Currences Temp. °C Q.O No No	CHECKED BY: Turnaround Time: Standard (Initials) Thermometer ID 4449 710	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C
	† Cardinal cannot accept verbal change	eley.kebHelmi	

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State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

QUESTIONS

Action 447008

QUESTIONS

Operator:	OGRID:
XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	447008
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2400450611
Incident Name	NAPP2400450611 SHANGHAI ROOSTER 15-3 FED 105H @ 30-015-50098
Incident Type	Release Other
Incident Status	Remediation Closure Report Received
Incident Well	[30-015-50098] SHANGHAI ROOSTER 15 3 FEDERAL #105H

Location of Release Source	
Please answer all the questions in this group.	
Site Name	SHANGHAI ROOSTER 15-3 FED 105H
Date Release Discovered	12/20/2023
Surface Owner	Federal

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	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Cause: Equipment Failure Well Other (Specify) Released: 87 BBL Recovered: 80 BBL Lost: 7 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)	Water Based Drilling Mud

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QUESTIONS, Page 2

Action 447008

QUESTI	ONS (continued)
Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380 Action Number: 447008
Wildiand, 1A 79707	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)
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.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e.	e. gas only) are to be submitted on the C-129 form.
Initial Response	
The responsible party must undertake the following actions immediately unless they could create a s	afety hazard that would result in injury. T
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.
	ation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of ted or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of valuation in the follow-up C-141 submission.
to report and/or file certain release notifications and perform corrective actions for releathe OCD does not relieve the operator of liability should their operations have failed to a	knowledge and understand that pursuant to OCD rules and regulations all operators are required ases which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or
I hereby agree and sign off to the above statement	Name: Garrett Green Title: SHE Coordinator Email: garrett.green@exxonmobil.com Date: 01/04/2024

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QUESTIONS, Page 3

Action 447008

QUESTIONS (continued)

Operator:	OGRID:
XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	447008
	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 51 and 75 (ft.)	
What method was used to determine the depth to ground water	Direct Measurement	
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 1000 (ft.) and ½ (mi.)	
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)	
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)	
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1000 (ft.) and ½ (mi.)	
Any other fresh water well or spring	Between 1000 (ft.) and ½ (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	No	

Remediation Plan		
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.		
Requesting a remediation plan approval with this submission	Yes	
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination as	ssociated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
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 millig	grams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	14200	
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	19830	
GRO+DRO (EPA SW-846 Method 8015M)	19830	
BTEX (EPA SW-846 Method 8021B or 8260B)	4.3	
Benzene (EPA SW-846 Method 8021B or 8260B)	0	
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.		
On what estimated date will the remediation commence	05/15/2024	
On what date will (or did) the final sampling or liner inspection occur	02/10/2025	
On what date will (or was) the remediation complete(d)	02/10/2025	
What is the estimated surface area (in square feet) that will be reclaimed	28460	
What is the estimated volume (in cubic yards) that will be reclaimed	3700	
What is the estimated surface area (in square feet) that will be remediated	24750	
What is the estimated volume (in cubic yards) that will be remediated	3300	
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 447008

QUESTIONS (continued)

Operator:	OGRID:
XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	447008
	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.)	
Yes	
HALFWAY DISPOSAL AND LANDFILL [fEEM0112334510]	
Not answered.	

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

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

I hereby agree and sign off to the above statement

Name: Robert Woodall Title: Environmental Analyst

Email: robert.d.woodall@exxonmobil.com

Date: 03/31/2025

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 447008

QUESTIONS (continued)

Operator:	OGRID:
XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	447008
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only	
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.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS, Page 6

Action 447008

QUESTIONS (continued)

Operator:	OGRID:
XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	447008
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information		
Last sampling notification (C-141N) recorded	428936	
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/10/2025	
What was the (estimated) number of samples that were to be gathered	20	
What was the sampling surface area in square feet	3800	

Remediation Closure Request				
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.				
Requesting a remediation closure approval with this submission	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	24750			
What was the total volume (cubic yards) remediated	3300			
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	20950			
What was the total volume (in cubic yards) reclaimed	2900			
Summarize any additional remediation activities not included by answers (above)	Additional soil sampling activities were conducted at the Site to confirm the presence or absence of impacted soil left in place immediately adjacent to the active wellheads. Laboratory analytical results for all soil samples collected from the final excavation extent and wellhead area, indicated all COC concentrations were compliant with the Site Closure Criteria. An estimated 400 cubic yards of waste-containing soil still exists on pad immediately adjacent to the active wellheads and associated production equipment and surface piping. The waste-containing soil will be removed at the time of pad abandonment or major facility reconstruction, whichever occurs first. The excavation has been backfilled with material purchased locally and the Site was recontoured to match pre-existing site conditions. Additional confirmation soil activities have occurred to confirm waste-containing soils being left in place.			

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.

Name: Robert Woodall
Title: Environmental Analyst
Email: robert.d.woodall@exxonmobil.com
Date: 03/31/2025

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QUESTIONS, Page 7

Action 447008

QUESTIONS (continued)

Operator:	OGRID:
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Midland, TX 79707	447008
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

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CONDITIONS

Action 447008

CONDITIONS

Operator:	OGRID:
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6401 Holiday Hill Road	Action Number:
Midland, TX 79707	447008
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your Remediation Closure Report for Incident #NAPP2400450611 SHANGHAI ROOSTER 15-3 FED 105H, thank you. This Remediation Closure Report is approved.	4/1/2025