



Ancell Environmental Consulting Services, LLC

August 28, 2025

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

RE: Tri-Annual Vadose Zone Monitoring
2nd VZ Sampling Event
TNT Landfarm NM1-8
Facility ID fEEM0112335451
SW/4 SE/4 and SE/4 NW/4 of Section 5 and NE/4 NW/4 of
Section 8, Township 25 North, Range 3 West, NMPM
Rio Arriba County, New Mexico

To whom it may concern:

On behalf of TNT Environmental (TNT), Ancell Environmental Consulting Services (AECS) has prepared this Tri-Annual Vadose Monitoring Report for the 2nd VZ sampling event detailing the compliance soil sampling activities completed at the TNT Landfarm (Site) on April 29, 2025, as required by conditions within NM1-8 and the 19.15.36 New Mexico Administrative Code (NMAC) transitional provisions.

SITE BACKGROUND

The Site consists of a 20.5-acre landfarm area located on private land in Section 5 and 8, Township 25 North, Range 3 West in Rio Arriba County, New Mexico (Figure 1). The Site consists of two bermed areas, or cells, with a separate area for processing incoming material and is part of a larger surface waste management facility including three evaporation ponds and associated equipment.

In 1992, the Site was permitted under New Mexico Oil and Gas Conservation Division (NMOCD) Rule 711. The original permit was amended on June 17,

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2005, to modify the sampling frequency from quarterly to tri-annual events. On February 14, 2007, Rule 711 was replaced by 19.15.36 NMAC, commonly referred to as Part 36. From 1992 to 2016, TNT accepted petroleum hydrocarbon impacted soils and drill cuttings for remediation purposes. No soil has been accepted at the facility since 2016.

Based on the existing permit conditions of NM1-8, the 2005 modification approval, and the transitional provisions of 19.15.36.20.A NMAC, vadose zone sampling events occur tri-annually with a minimum of one random vadose soil sample taken from each individual cell between two (2) and three (3) feet (ft) below the native ground surface and submitted for laboratory analysis of constituents identified in NM1-8 and 19.15.36.15(E) NMAC. Laboratory analytical results are compared to background soil concentrations or laboratory practical quantitation limits (PQL or reporting limit) to determine if a release has occurred. The 2nd Vadose Zone (VZ) Sampling event shall be conducted by July 31st of each year and the sampling report for this event shall be submitted no later than August 31st of each year. In accordance with 19.15.36.19 NMAC, on behalf of TNT, AECS submitted a C-137A for the consideration of alternative release assessment criteria in place of 19.15.36.15.E(2) NMAC to complete vadose zone assessment requirements. On July 3, 2025, the minor permit modification request was approved wherein 19.15.29 NMAC Table I Closure Criteria for the depth to groundwater at greater than 100 ft below ground surface (bgs) will be used for the comparison of benzene, toluene, ethylbenzene, and total xylenes (BTEX), total petroleum hydrocarbons (TPH), and chloride laboratory analytical results in lieu of background levels or PQLs at the Site.

| | Benzene (mg/kg) | Total BTEX (mg/kg) | Total TPH (mg/kg) | Chloride (mg/kg) |
|--|--------------------|-----------------------|---------------------------|---------------------|
| Table I Closure Criteria (19.15.29.12 NMAC) | 10 | 50 | 1,000* 2,500** | 20,000 |

*TPH limit as GRO and DRO fractions combined

**TPH limit as GRO, DRO, and ORO fractions combined



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VADOSE ZONE SAMPLING

The number of vadose zone soil samples collected within each cell was dependent on the size of each cell. Two discrete soil samples were collected from each cell between 2.5 ft to 3 ft below the native ground surface (Figure 2). A shovel was used to clear back the treatment zone soils in the immediate vicinity of each soil boring to minimize any potential downhole cross-contamination. The treatment zone to vadose zone transition was identified by changes in soil type, color, and odor. A hand auger was used to install temporary soil borings to collect representative discrete samples of the vadose zone. Each soil boring was backfilled with bentonite chips, and the GPS coordinate was recorded.

The discrete soil samples were collected into new, precleaned, laboratory provided container and immediately placed on ice in a cooler for transport to Envirotech Laboratory (Envirotech) of Farmington, New Mexico, under strict chain-of-custody (COC) protocol. The date and time sampled, sample number, type of sample, sampler's name and signature, preservative used, and analyses required were all documented on the COC. All soil samples were analyzed for BTEX per the United States Environmental Protection Agency (USEPA) Method 8021B, TPH as gasoline range organics (TPH-GRO), diesel range organics (TPH-DRO), and oil range organics (TPH-ORO)) per USEPA Method 8015M, and chloride per USEPA Method 300.0.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for all four soil samples (Cell 1 East Vadose, Cell 1 West Vadose, Cell 2 North Vadose, and Cell 2 South Vadose) reported benzene, BTEX, and TPH concentrations below laboratory detection limits of 0.0250 mg/kg, 0.150 mg/kg, and 95.0 mg/kg, respectively. Chloride concentrations were reported below laboratory detection limits (20.0 mg/kg) for Cell 1 East Vadose. The chloride concentration was reported at 85.6 mg/kg for Cell 1 West Vadose, 110 mg/kg for Cell 2 North Vadose, and 122 mg/kg for Cell 2 South Vadose. The laboratory analytical results are presented in Table 1 and the complete Envirotech Laboratory Analytical Report (E507293) is attached.



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DISCUSSION

Analytical results for all vadose zone samples reported benzene and BTEX concentrations below laboratory detection limits and the applicable Table I Closure Criteria of 10 mg/kg and 50 mg/kg, respectively. TPH concentrations in all samples were also reported below laboratory detection limits and the applicable Table I Closure Criteria of 1,000 mg/kg as the combined fractions of GRO and DRO and 2,500 mg/kg as the combined fractions of GRO, DRO and ORO. Chloride concentrations were reported above background concentrations and laboratory PQLs but below the applicable 19.15.29 NMAC Table 1 Closure Criteria of 20,000 mg/kg. Pursuant to 19.15.36.15.E NMAC, the vadose zone analytical results from the 2nd Vadose Tri-Annual sampling event in July 2025 indicate that there is no evidence of a release that would impact fresh water, human health, or the environment at the TNT Landfarm and no further assessment is required.

If you have any questions or concerns regarding the information provided in this report, please contact AECS at 970-946-9869.

Sincerely,

Emilee Skyles

Emilee Skyles
Project Manager
Ancell Environmental Consulting Services

TABLE

Table 1. Tri-annual Vadose Zone Monitoring Laboratory Analytical Results

FIGURES

Figure 1. Site Location Map

Figure 2. Aerial Site Map with Sample Locations

APPENDIX

Envirotech Laboratory Analytical Report (E507293)

NM1-8 TNT Landfarm
2nd Vadose Sampling Event 2025
Page 4

Table 1. Tri-annual Vadose Zone Monitoring Analytical Results
TNT Landfarm Surface Waste Management Facility
fEEM0112335451
Permit NM1-8

| | | | Benzene (mg/kg) | Toluene (mg/kg) | Ethylbenzene (mg/kg) | Total Xylenes (mg/kg) | Total BTEX (mg/kg) | Total TPH (mg/kg) | TPH (mg/kg) | | | Chloride (mg/kg) |
|--|---------------------|---|--------------------|--------------------|-------------------------|--------------------------|-----------------------|--|----------------|-------|-------|---------------------|
| | | | | | | | | | GRO | DRO | ORO | |
| <i>PQL or Background Concentrations</i> | | | 0.0250 | 0.0250 | 0.0250 | 0.0750 | -- | -- | <20.0 | <25.0 | <50.0 | <0.5 to 24.3* |
| NMOCD Table 1 Site Closure Criteria (19.15.29 NMAC)** | | | 10 | NE | NE | NE | 50 | 1,000[#] 2,500[^] | -- | -- | -- | 20,000 |
| Sample Date | Sample ID | Sample Depth feet below native ground surface | | | | | | | | | | |
| 7/20/23 | Cell 1 Vadose | 3 | <0.0250 | <0.0250 | <0.0250 | <0.0750 | <0.150 | <95.0 | <20.0 | <25.0 | <50.0 | NA |
| 9/26/23 | Cell 1 Vadose | 3 | <0.0250 | <0.0250 | <0.0250 | <0.0750 | <0.150 | <95.0 | <20.0 | <25.0 | <50.0 | <20.0 |
| 4/23/24 | Cell 1 Vadose | 3 | <0.0250 | <0.0250 | <0.0250 | <0.0750 | <0.150 | <95.0 | <20.0 | <25.0 | <50.0 | 22.4 |
| 7/31/24 | Cell 1 Vadose | 3 | <0.0250 | <0.0250 | <0.0250 | <0.0750 | <0.150 | <95.0 | <20.0 | <25.0 | <50.0 | NA |
| 10/29/24 | Cell 1 Vadose | 3 | <0.0250 | <0.0250 | <0.0250 | <0.0750 | <0.150 | <95.0 | <20.0 | <25.0 | <50.0 | 37.9 |
| 4/29/25 | Cell 1 Vadose | 2.5 to 3 | <0.0250 | <0.0250 | <0.0250 | <0.0750 | <0.150 | <95.0 | <20.0 | <25.0 | <50.0 | 35.0 |
| 7/24/25 | Cell 1 East Vadose | 2.5 to 3 | <0.0250 | <0.0250 | <0.0250 | <0.0750 | <0.150 | <95.0 | <20.0 | <25.0 | <50.0 | <20.0 |
| 7/24/25 | Cell 1 West Vadose | 2.5 to 3 | <0.0250 | <0.0250 | <0.0250 | <0.0750 | <0.150 | <95.0 | <20.0 | <25.0 | <50.0 | 85.6 |
| Sample Date | Sample ID | Sample Depth feet below native ground surface | | | | | | | | | | |
| 7/20/23 | Cell 2 Vadose | 3 | <0.0250 | <0.0250 | <0.0250 | <0.0750 | <0.150 | 36.6 | <20.0 | 36.6 | <50.0 | NA |
| 9/26/23 | Cell 2 Vadose | 3 | <0.0250 | <0.0250 | <0.0250 | <0.0750 | <0.150 | <95.0 | <20.0 | <25.0 | <50.0 | 20.1 |
| 4/23/24 | Cell 2 Vadose | 3 | <0.0250 | <0.0250 | <0.0250 | <0.0750 | <0.150 | <95.0 | <20.0 | <25.0 | <50.0 | <20.0 |
| 7/31/24 | Cell 2 Vadose | 3 | <0.0250 | <0.0250 | <0.0250 | <0.0750 | <0.150 | <95.0 | <20.0 | <25.0 | <50.0 | NA |
| 10/29/24 | Cell 2 Vadose | 3 | <0.0250 | <0.0250 | <0.0250 | <0.0750 | <0.150 | <95.0 | <20.0 | <25.0 | <50.0 | <20.0 |
| 4/29/25 | Cell 2 Vadose | 2.5 to 3 | <0.0250 | <0.0250 | <0.0250 | <0.0750 | <0.150 | <95.0 | <20.0 | <25.0 | <50.0 | 122 |
| 7/24/25 | Cell 2 North Vadose | 2.5 to 3 | <0.0250 | <0.0250 | <0.0250 | <0.0750 | <0.150 | <95.0 | <20.0 | <25.0 | <50.0 | 33.6 |
| 7/24/25 | Cell 2 South Vadose | 2.5 to 3 | <0.0250 | <0.0250 | <0.0250 | <0.0750 | <0.150 | <95.0 | <20.0 | <25.0 | <50.0 | 110 |

NOTES:

*Based on laboratory results from 8 background samples submitted to the OCD from 1993 to 2010

**Based on depth to water at greater 100 ft bgs

BTEX - benzene, toluene, ethylbenzene and total xylenes

TPH - Total Petroleum Hydrocarbons

GRO - Gasoline Range Organics

DRO - Diesel Range Organics

ORO - Oil Range Organics

NA - Not Analyzed

NE - Not Established

NMAC - New Mexico Administrative Code

BTEX analyzed per USEPA Method 8021 or 8260

TPH (GRO+DRO+ORO) analyzed per USEPA Method 8015M

Chloride analyzed per USEPA Method 300.0

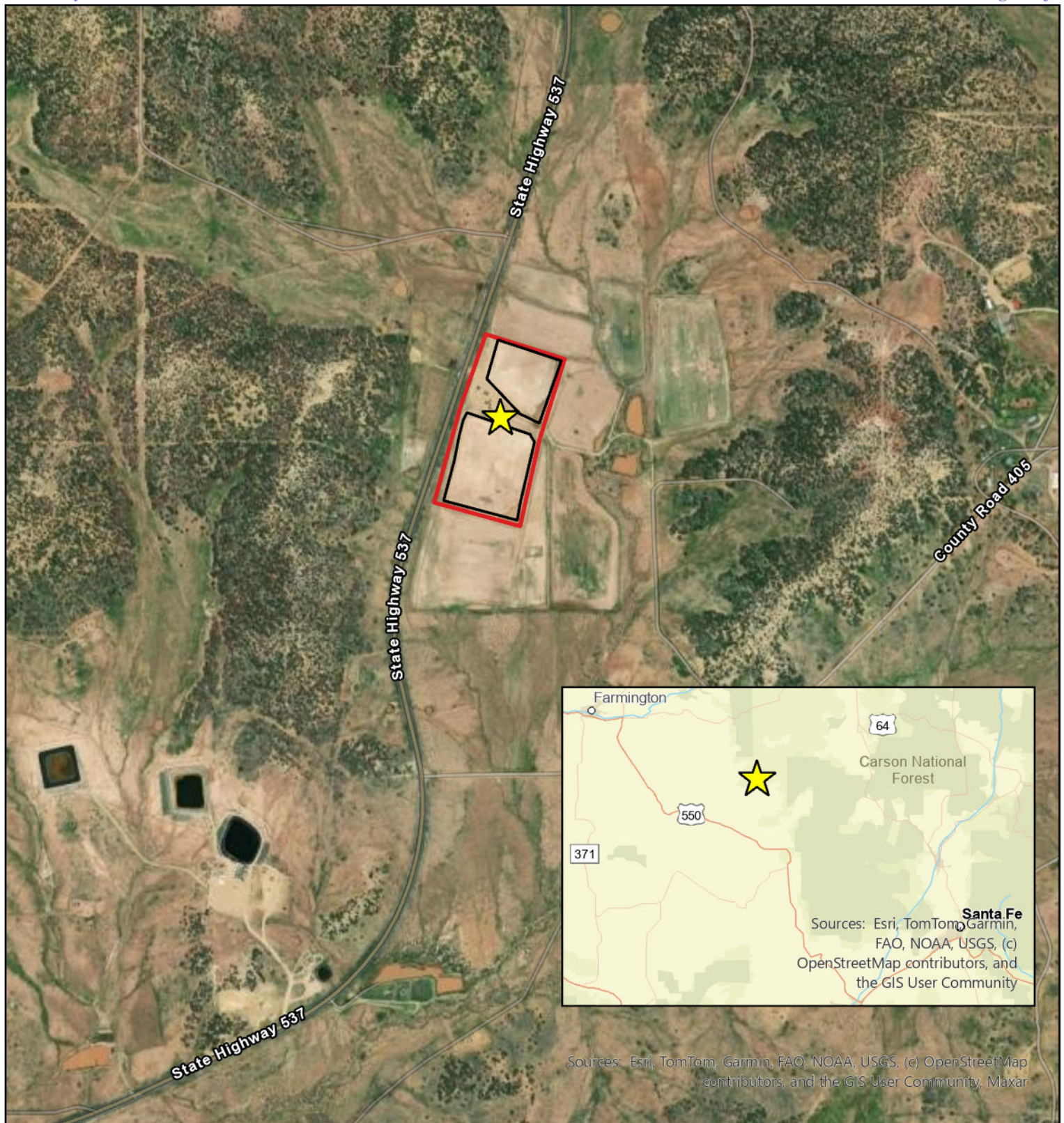
- TPH limit as GRO+DRO

^ - TPH limit as GRO+DRO+ORO

110 - italics value indicates the reported concentration is above the PQL or background concentration




50 - bold value indicates the reported concentration is above release assessment criteria

Shaded cells indicate the most recent vadose zone sampling event



0 0.13 0.25 0.5 Miles

Legend

-  Project Area
-  Facility Boundary
-  Cell 1 & 2 Boundaries

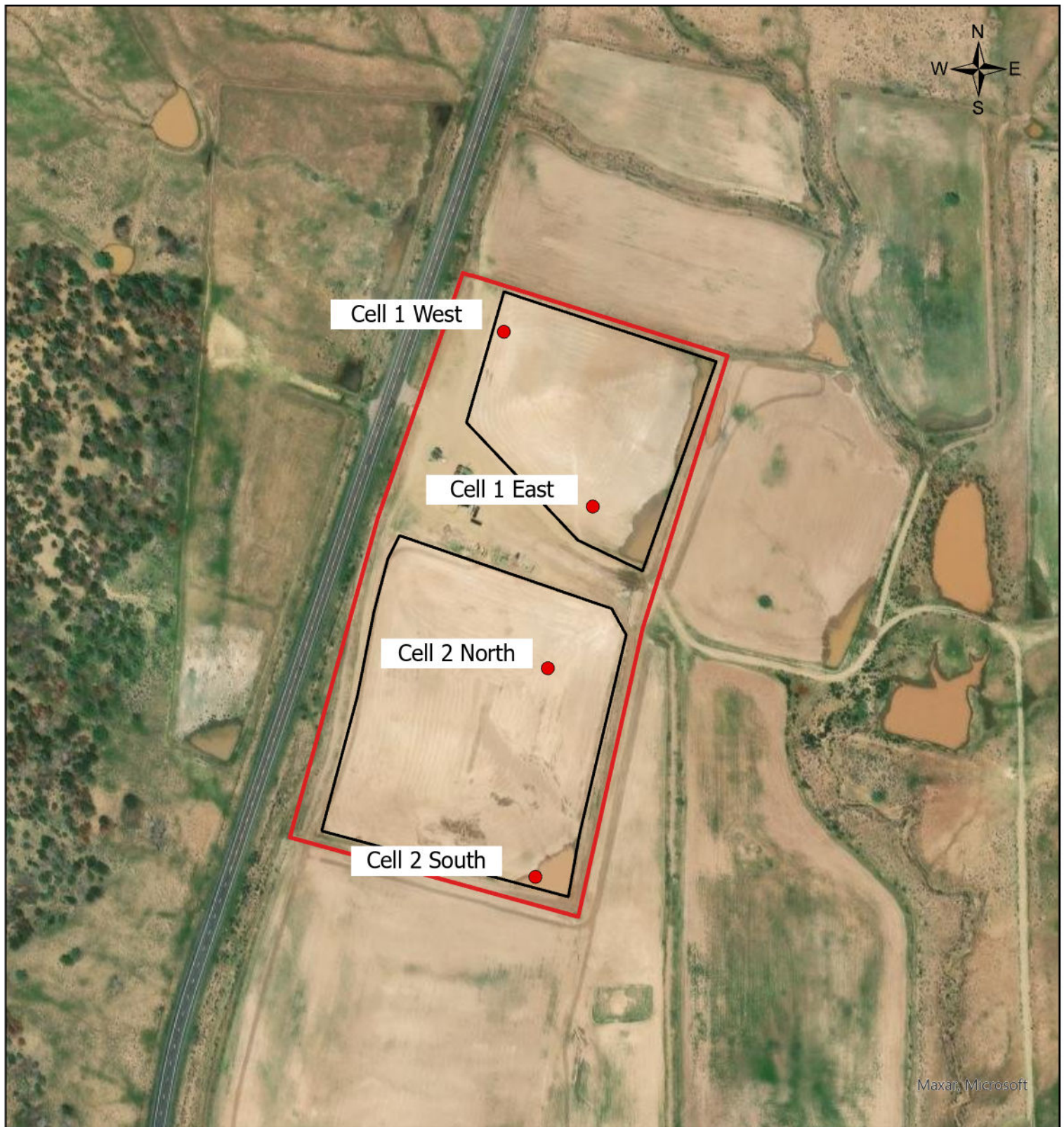
TNT Landfarm NM1-8

Tri-Annual Vadose Zone Monitoring

SW/4 SE/4 and SE/4 NW/4 of Section 5 and
NE/4 NW/4 of Section 8,
Township 25 North, Range 3 West, NMPM
Rio Arriba County, New Mexico

AECS, LLC 2025

Figure 1



0 205 410 820 Feet

Legend

- Facility Boundary
- 2nd Vadose Sampling Locations
- Cell 1 & 2 Boundaries

TNT Landfarm NM1-8

Tri-Annual Vadose Zone Monitoring
2nd Sampling Event

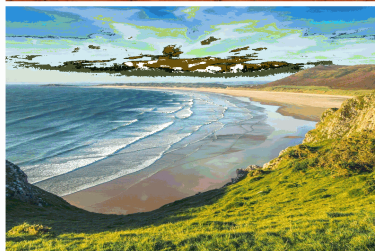
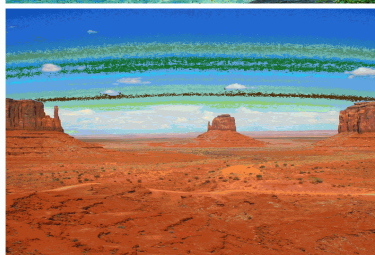
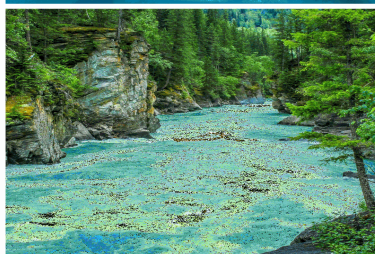
SW/4 SE/4 and SE/4 NW/4 of Section 5 and
NE/4 NW/4 of Section 8,
Township 25 North, Range 3 West, NMPM
Rio Arriba County, New Mexico

AECS, LLC 2025

Figure 2

Sampling event conducted
on 7/29/2025

Report to:
Emilee Skyles



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

TNT Environmental

Project Name: NM1-8 TNT Landfarm- Vadose Zone

Work Order: E507293

Job Number: 17009-0001

Received: 7/24/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
7/31/25

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.

Date Reported: 7/31/25

Emilee Skyles
PO Box 2530
Farmington, NM 87499



Project Name: NM1-8 TNT Landfarm- Vadose Zone
Workorder: E507293
Date Received: 7/24/2025 2:18:00PM

Emilee Skyles,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/24/2025 2:18:00PM, under the Project Name: NM1-8 TNT Landfarm- Vadose Zone.

The analytical test results summarized in this report with the Project Name: NM1-8 TNT Landfarm- Vadose Zone apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

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Sample Summary

| | | | |
|----------------------|------------------|---------------------------------|----------------|
| TNT Environmental | Project Name: | NM1-8 TNT Landfarm- Vadose Zone | Reported: |
| PO Box 2530 | Project Number: | 17009-0001 | |
| Farmington NM, 87499 | Project Manager: | Emilee Skyles | 07/31/25 08:59 |

| Client Sample ID | Lab Sample ID | Matrix | Sampled | Received | Container |
|---------------------|---------------|--------|----------|----------|------------------|
| Cell 1 East Vadose | E507293-01A | Soil | 07/24/25 | 07/24/25 | Glass Jar, 2 oz. |
| Cell 1 West Vadose | E507293-02A | Soil | 07/24/25 | 07/24/25 | Glass Jar, 2 oz. |
| Cell 2 North Vadose | E507293-03A | Soil | 07/24/25 | 07/24/25 | Glass Jar, 2 oz. |
| Cell 2 South Vadose | E507293-04A | Soil | 07/24/25 | 07/24/25 | Glass Jar, 2 oz. |



Sample Data

TNT Environmental
PO Box 2530
Farmington NM, 87499

Project Name: NM1-8 TNT Landfarm- Vadose Zone
Project Number: 17009-0001
Project Manager: Emilee Skyles

Reported:
7/31/2025 8:59:06AM

Cell 1 East Vadose

E507293-01

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|-------------|----------|----------------|-------|
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | Analyst: SL | | Batch: 2531015 | |
| Benzene | ND | 0.0250 | 1 | 07/28/25 | 07/29/25 | |
| Ethylbenzene | ND | 0.0250 | 1 | 07/28/25 | 07/29/25 | |
| Toluene | ND | 0.0250 | 1 | 07/28/25 | 07/29/25 | |
| o-Xylene | ND | 0.0250 | 1 | 07/28/25 | 07/29/25 | |
| p,m-Xylene | ND | 0.0500 | 1 | 07/28/25 | 07/29/25 | |
| Total Xylenes | ND | 0.0250 | 1 | 07/28/25 | 07/29/25 | |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i> | 85.8 % | 70-130 | | 07/28/25 | 07/29/25 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | Analyst: SL | | Batch: 2531015 | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 07/28/25 | 07/29/25 | |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i> | 94.6 % | 70-130 | | 07/28/25 | 07/29/25 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | Analyst: HM | | Batch: 2531047 | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 07/29/25 | 07/30/25 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 07/29/25 | 07/30/25 | |
| <i>Surrogate: n-Nonane</i> | 103 % | 61-141 | | 07/29/25 | 07/30/25 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | Analyst: JM | | Batch: 2531038 | |
| Chloride | ND | 20.0 | 1 | 07/28/25 | 07/29/25 | |



Sample Data

TNT Environmental
PO Box 2530
Farmington NM, 87499

Project Name: NM1-8 TNT Landfarm- Vadose Zone
Project Number: 17009-0001
Project Manager: Emilee Skyles

Reported:
7/31/2025 8:59:06AM

Cell 1 West Vadose

E507293-02

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|-------------|----------|----------------|-------|
| Volatile Organics by EPA 8021B | | | | | | |
| | mg/kg | mg/kg | Analyst: SL | | Batch: 2531015 | |
| Benzene | ND | 0.0250 | 1 | 07/28/25 | 07/29/25 | |
| Ethylbenzene | ND | 0.0250 | 1 | 07/28/25 | 07/29/25 | |
| Toluene | ND | 0.0250 | 1 | 07/28/25 | 07/29/25 | |
| o-Xylene | ND | 0.0250 | 1 | 07/28/25 | 07/29/25 | |
| p,m-Xylene | ND | 0.0500 | 1 | 07/28/25 | 07/29/25 | |
| Total Xylenes | ND | 0.0250 | 1 | 07/28/25 | 07/29/25 | |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i> | | | | | | |
| | 85.1 % | 70-130 | | 07/28/25 | 07/29/25 | |
| Nonhalogenated Organics by EPA 8015D - GRO | | | | | | |
| | mg/kg | mg/kg | Analyst: SL | | Batch: 2531015 | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 07/28/25 | 07/29/25 | |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i> | | | | | | |
| | 92.4 % | 70-130 | | 07/28/25 | 07/29/25 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | | | | | | |
| | mg/kg | mg/kg | Analyst: HM | | Batch: 2531047 | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 07/29/25 | 07/30/25 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 07/29/25 | 07/30/25 | |
| <i>Surrogate: n-Nonane</i> | | | | | | |
| | 102 % | 61-141 | | 07/29/25 | 07/30/25 | |
| Anions by EPA 300.0/9056A | | | | | | |
| | mg/kg | mg/kg | Analyst: JM | | Batch: 2531038 | |
| Chloride | 85.6 | 20.0 | 1 | 07/28/25 | 07/29/25 | |



Sample Data

TNT Environmental
PO Box 2530
Farmington NM, 87499

Project Name: NM1-8 TNT Landfarm- Vadose Zone
Project Number: 17009-0001
Project Manager: Emilee Skyles

Reported:
7/31/2025 8:59:06AM

Cell 2 North Vadose

E507293-03

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|----------|-------------|----------|----------------|
| Volatile Organics by EPA 8021B | | | | | | |
| | mg/kg | mg/kg | | Analyst: SL | | Batch: 2531015 |
| Benzene | ND | 0.0250 | 1 | 07/28/25 | 07/29/25 | |
| Ethylbenzene | ND | 0.0250 | 1 | 07/28/25 | 07/29/25 | |
| Toluene | ND | 0.0250 | 1 | 07/28/25 | 07/29/25 | |
| o-Xylene | ND | 0.0250 | 1 | 07/28/25 | 07/29/25 | |
| p,m-Xylene | ND | 0.0500 | 1 | 07/28/25 | 07/29/25 | |
| Total Xylenes | ND | 0.0250 | 1 | 07/28/25 | 07/29/25 | |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i> | | | | | | |
| | 83.2 % | 70-130 | | 07/28/25 | 07/29/25 | |
| Nonhalogenated Organics by EPA 8015D - GRO | | | | | | |
| | mg/kg | mg/kg | | Analyst: SL | | Batch: 2531015 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 07/28/25 | 07/29/25 | |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i> | | | | | | |
| | 92.3 % | 70-130 | | 07/28/25 | 07/29/25 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | | | | | | |
| | mg/kg | mg/kg | | Analyst: HM | | Batch: 2531047 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 07/29/25 | 07/30/25 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 07/29/25 | 07/30/25 | |
| <i>Surrogate: n-Nonane</i> | | | | | | |
| | 101 % | 61-141 | | 07/29/25 | 07/30/25 | |
| Anions by EPA 300.0/9056A | | | | | | |
| | mg/kg | mg/kg | | Analyst: JM | | Batch: 2531038 |
| Chloride | 33.6 | 20.0 | 1 | 07/28/25 | 07/29/25 | |



Sample Data

TNT Environmental
PO Box 2530
Farmington NM, 87499

Project Name: NM1-8 TNT Landfarm- Vadose Zone
Project Number: 17009-0001
Project Manager: Emilee Skyles

Reported:
7/31/2025 8:59:06AM

Cell 2 South Vadose

E507293-04

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|-------------|----------|----------------|-------|
| Volatile Organics by EPA 8021B | | | | | | |
| | mg/kg | mg/kg | Analyst: SL | | Batch: 2531015 | |
| Benzene | ND | 0.0250 | 1 | 07/28/25 | 07/29/25 | |
| Ethylbenzene | ND | 0.0250 | 1 | 07/28/25 | 07/29/25 | |
| Toluene | ND | 0.0250 | 1 | 07/28/25 | 07/29/25 | |
| o-Xylene | ND | 0.0250 | 1 | 07/28/25 | 07/29/25 | |
| p,m-Xylene | ND | 0.0500 | 1 | 07/28/25 | 07/29/25 | |
| Total Xylenes | ND | 0.0250 | 1 | 07/28/25 | 07/29/25 | |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i> | | | | | | |
| | 83.3 % | 70-130 | | 07/28/25 | 07/29/25 | |
| Nonhalogenated Organics by EPA 8015D - GRO | | | | | | |
| | mg/kg | mg/kg | Analyst: SL | | Batch: 2531015 | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 07/28/25 | 07/29/25 | |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i> | | | | | | |
| | 93.5 % | 70-130 | | 07/28/25 | 07/29/25 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | | | | | | |
| | mg/kg | mg/kg | Analyst: HM | | Batch: 2531047 | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 07/29/25 | 07/30/25 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 07/29/25 | 07/30/25 | |
| <i>Surrogate: n-Nonane</i> | | | | | | |
| | 103 % | 61-141 | | 07/29/25 | 07/30/25 | |
| Anions by EPA 300.0/9056A | | | | | | |
| | mg/kg | mg/kg | Analyst: JM | | Batch: 2531038 | |
| Chloride | 110 | 20.0 | 1 | 07/28/25 | 07/29/25 | |



QC Summary Data

| | | | |
|----------------------|------------------|---------------------------------|---------------------|
| TNT Environmental | Project Name: | NM1-8 TNT Landfarm- Vadose Zone | Reported: |
| PO Box 2530 | Project Number: | 17009-0001 | |
| Farmington NM, 87499 | Project Manager: | Emilee Skyles | 7/31/2025 8:59:06AM |

Volatile Organics by EPA 8021B

Analyst: SL

| Analyte | Result mg/kg | Reporting Limit mg/kg | Spike Level mg/kg | Source Result mg/kg | Rec % | Rec Limits % | RPD % | RPD Limit % | Notes |
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|

Blank (2531015-BLK1)

Prepared: 07/28/25 Analyzed: 07/29/25

| | | | | | | | | | |
|-------------------------------------|------|--------|------|--|------|--------|--|--|--|
| Benzene | ND | 0.0250 | | | | | | | |
| Ethylbenzene | ND | 0.0250 | | | | | | | |
| Toluene | ND | 0.0250 | | | | | | | |
| o-Xylene | ND | 0.0250 | | | | | | | |
| p,m-Xylene | ND | 0.0500 | | | | | | | |
| Total Xylenes | ND | 0.0250 | | | | | | | |
| Surrogate: 4-Bromochlorobenzene-PID | 7.00 | | 8.00 | | 87.5 | 70-130 | | | |

LCS (2531015-BS1)

Prepared: 07/28/25 Analyzed: 07/29/25

| | | | | | | | | | |
|-------------------------------------|------|--------|------|--|------|--------|--|--|--|
| Benzene | 5.04 | 0.0250 | 5.00 | | 101 | 70-130 | | | |
| Ethylbenzene | 4.90 | 0.0250 | 5.00 | | 98.1 | 70-130 | | | |
| Toluene | 4.98 | 0.0250 | 5.00 | | 99.5 | 70-130 | | | |
| o-Xylene | 4.85 | 0.0250 | 5.00 | | 97.1 | 70-130 | | | |
| p,m-Xylene | 9.90 | 0.0500 | 10.0 | | 99.0 | 70-130 | | | |
| Total Xylenes | 14.8 | 0.0250 | 15.0 | | 98.4 | 70-130 | | | |
| Surrogate: 4-Bromochlorobenzene-PID | 6.90 | | 8.00 | | 86.3 | 70-130 | | | |

Matrix Spike (2531015-MS1)

Source: E507300-25

Prepared: 07/28/25 Analyzed: 07/29/25

| | | | | | | | | | |
|-------------------------------------|------|--------|------|----|------|--------|--|--|--|
| Benzene | 5.11 | 0.0250 | 5.00 | ND | 102 | 70-130 | | | |
| Ethylbenzene | 4.98 | 0.0250 | 5.00 | ND | 99.5 | 70-130 | | | |
| Toluene | 5.06 | 0.0250 | 5.00 | ND | 101 | 70-130 | | | |
| o-Xylene | 4.95 | 0.0250 | 5.00 | ND | 99.1 | 70-130 | | | |
| p,m-Xylene | 10.0 | 0.0500 | 10.0 | ND | 100 | 70-130 | | | |
| Total Xylenes | 15.0 | 0.0250 | 15.0 | ND | 100 | 70-130 | | | |
| Surrogate: 4-Bromochlorobenzene-PID | 6.96 | | 8.00 | | 87.1 | 70-130 | | | |

Matrix Spike Dup (2531015-MSD1)

Source: E507300-25

Prepared: 07/28/25 Analyzed: 07/29/25

| | | | | | | | | | |
|-------------------------------------|------|--------|------|----|------|--------|------|----|--|
| Benzene | 5.75 | 0.0250 | 5.00 | ND | 115 | 70-130 | 11.7 | 27 | |
| Ethylbenzene | 5.60 | 0.0250 | 5.00 | ND | 112 | 70-130 | 11.8 | 26 | |
| Toluene | 5.70 | 0.0250 | 5.00 | ND | 114 | 70-130 | 11.8 | 20 | |
| o-Xylene | 5.54 | 0.0250 | 5.00 | ND | 111 | 70-130 | 11.2 | 25 | |
| p,m-Xylene | 11.3 | 0.0500 | 10.0 | ND | 113 | 70-130 | 11.6 | 23 | |
| Total Xylenes | 16.8 | 0.0250 | 15.0 | ND | 112 | 70-130 | 11.5 | 26 | |
| Surrogate: 4-Bromochlorobenzene-PID | 6.93 | | 8.00 | | 86.6 | 70-130 | | | |



QC Summary Data

| | | | |
|----------------------|------------------|---------------------------------|---------------------|
| TNT Environmental | Project Name: | NM1-8 TNT Landfarm- Vadose Zone | Reported: |
| PO Box 2530 | Project Number: | 17009-0001 | |
| Farmington NM, 87499 | Project Manager: | Emilee Skyles | 7/31/2025 8:59:06AM |

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

| Analyte | Result mg/kg | Reporting Limit mg/kg | Spike Level mg/kg | Source Result mg/kg | Rec % | Rec Limits % | RPD % | RPD Limit % | Notes |
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|

Blank (2531015-BLK1) Prepared: 07/28/25 Analyzed: 07/29/25

| | | | | | | | | | |
|---|------|------|------|--|------|--------|--|--|--|
| Gasoline Range Organics (C6-C10) | ND | 20.0 | | | | | | | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.45 | | 8.00 | | 93.2 | 70-130 | | | |

LCS (2531015-BS2) Prepared: 07/28/25 Analyzed: 07/29/25

| | | | | | | | | | |
|---|------|------|------|--|------|--------|--|--|--|
| Gasoline Range Organics (C6-C10) | 45.9 | 20.0 | 50.0 | | 91.9 | 70-130 | | | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.46 | | 8.00 | | 93.2 | 70-130 | | | |

Matrix Spike (2531015-MS2) Source: E507300-25 Prepared: 07/28/25 Analyzed: 07/29/25

| | | | | | | | | | |
|---|------|------|------|----|------|--------|--|--|--|
| Gasoline Range Organics (C6-C10) | 44.2 | 20.0 | 50.0 | ND | 88.5 | 70-130 | | | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.48 | | 8.00 | | 93.4 | 70-130 | | | |

Matrix Spike Dup (2531015-MSD2) Source: E507300-25 Prepared: 07/28/25 Analyzed: 07/29/25

| | | | | | | | | | |
|---|------|------|------|----|------|--------|------|----|--|
| Gasoline Range Organics (C6-C10) | 44.8 | 20.0 | 50.0 | ND | 89.6 | 70-130 | 1.31 | 20 | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.50 | | 8.00 | | 93.8 | 70-130 | | | |



QC Summary Data

| | | | |
|----------------------|------------------|---------------------------------|---------------------|
| TNT Environmental | Project Name: | NM1-8 TNT Landfarm- Vadose Zone | Reported: |
| PO Box 2530 | Project Number: | 17009-0001 | |
| Farmington NM, 87499 | Project Manager: | Emilee Skyles | 7/31/2025 8:59:06AM |

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: HM

| Analyte | Result mg/kg | Reporting Limit mg/kg | Spike Level mg/kg | Source Result mg/kg | Rec % | Rec Limits % | RPD % | RPD Limit % | Notes |
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|

| | | | | | | | | | |
|---------------------------------|------|------|------|--|---------------------------------------|--------|--|--|--|
| Blank (2531047-BLK1) | | | | | Prepared: 07/29/25 Analyzed: 07/29/25 | | | | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | | | | | | | |
| Oil Range Organics (C28-C36) | ND | 50.0 | | | | | | | |
| Surrogate: n-Nonane | 47.6 | | 50.0 | | 95.2 | 61-141 | | | |

| | | | | | | | | | |
|---------------------------------|------|------|------|--|---------------------------------------|--------|--|--|--|
| LCS (2531047-BS1) | | | | | Prepared: 07/29/25 Analyzed: 07/29/25 | | | | |
| Diesel Range Organics (C10-C28) | 280 | 25.0 | 250 | | 112 | 66-144 | | | |
| Surrogate: n-Nonane | 48.6 | | 50.0 | | 97.2 | 61-141 | | | |

| | | | | | | | | | |
|---------------------------------|------|------|------|----|--------------------|--------|---------------------------------------|--|--|
| Matrix Spike (2531047-MS1) | | | | | Source: E507284-05 | | Prepared: 07/29/25 Analyzed: 07/29/25 | | |
| Diesel Range Organics (C10-C28) | 287 | 25.0 | 250 | ND | 115 | 56-156 | | | |
| Surrogate: n-Nonane | 49.3 | | 50.0 | | 98.7 | 61-141 | | | |

| | | | | | | | | | |
|---------------------------------|------|------|------|----|--------------------|--------|---------------------------------------|----|--|
| Matrix Spike Dup (2531047-MSD1) | | | | | Source: E507284-05 | | Prepared: 07/29/25 Analyzed: 07/29/25 | | |
| Diesel Range Organics (C10-C28) | 286 | 25.0 | 250 | ND | 114 | 56-156 | 0.254 | 20 | |
| Surrogate: n-Nonane | 49.3 | | 50.0 | | 98.6 | 61-141 | | | |



QC Summary Data

| | | | |
|----------------------|------------------|---------------------------------|---------------------|
| TNT Environmental | Project Name: | NM1-8 TNT Landfarm- Vadose Zone | Reported: |
| PO Box 2530 | Project Number: | 17009-0001 | |
| Farmington NM, 87499 | Project Manager: | Emilee Skyles | 7/31/2025 8:59:06AM |

Anions by EPA 300.0/9056A

Analyst: JM

| Analyte | Result | Reporting Limit | Spike Level | Source Result | Rec | Rec Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------------|---------------|-----|------------|-----|-----------|-------|
| | mg/kg | mg/kg | mg/kg | mg/kg | % | % | % | % | |

| | | | | | | | | | |
|---------------------------------|-----|------|-----|-----|---------------------------------------|--------|---------------------------------------|----|--|
| Blank (2531038-BLK1) | | | | | Prepared: 07/28/25 Analyzed: 07/29/25 | | | | |
| Chloride | ND | 20.0 | | | | | | | |
| LCS (2531038-BS1) | | | | | Prepared: 07/28/25 Analyzed: 07/29/25 | | | | |
| Chloride | 250 | 20.0 | 250 | | 100 | 90-110 | | | |
| Matrix Spike (2531038-MS1) | | | | | Source: E507283-05 | | Prepared: 07/28/25 Analyzed: 07/29/25 | | |
| Chloride | 543 | 20.0 | 250 | 292 | 100 | 80-120 | | | |
| Matrix Spike Dup (2531038-MSD1) | | | | | Source: E507283-05 | | Prepared: 07/28/25 Analyzed: 07/29/25 | | |
| Chloride | 535 | 20.0 | 250 | 292 | 96.9 | 80-120 | 1.55 | 20 | |

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures.
Therefore, hand calculated values may differ slightly.



Definitions and Notes

| | | | |
|----------------------|------------------|---------------------------------|----------------|
| TNT Environmental | Project Name: | NM1-8 TNT Landfarm- Vadose Zone | |
| PO Box 2530 | Project Number: | 17009-0001 | Reported: |
| Farmington NM, 87499 | Project Manager: | Emilee Skyles | 07/31/25 08:59 |

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite
- DNR Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

| | | | | | | | |
|---|------|------|--------------------------|------|------|---|--|
| I, (field sampler) attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action. | | | | | | | |
| Sampled by: _____ | | | | | | | |
| Relinquished by: (Signature) | Date | Time | Received by: (Signature) | Date | Time | Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 60C on subsequent days. | |
| Relinquished by: (Signature) | Date | Time | Received by: (Signature) | Date | Time | | |
| Relinquished by: (Signature) | Date | Time | Received by: (Signature) | Date | Time | | |
| Relinquished by: (Signature) | Date | Time | Received by: (Signature) | Date | Time | | |
| Relinquished by: (Signature) | Date | Time | Received by: (Signature) | Date | Time | | |
| Sample Matrix: s - Soil, sd - Solid, sg - Sludge, A - Aqueous, O - Other | | | | | | Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA | |
| Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report. | | | | | | | |

Envirotech Analytical Laboratory

Printed: 7/24/2025 2:24:59PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

| | | | | | |
|---------|---------------------|-----------------|----------------------------|----------------|--------------|
| Client: | TNT Environmental | Date Received: | 07/24/25 14:18 | Work Order ID: | E507293 |
| Phone: | (505) 860-6215 | Date Logged In: | 07/24/25 14:22 | Logged In By: | Caitlin Mars |
| Email: | lmnop.env@gmail.com | Due Date: | 07/31/25 17:00 (5 day TAT) | | |

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: Brian SkylesComments/ResolutionSample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? Yes

Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling

13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? No

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 500808

CONDITIONS

| | |
|---|---|
| Operator: T-N-T ENVIRONMENTAL INC PO Box 2530 Farmington, NM 87499 | OGRID: 22099 |
| | Action Number: 500808 |
| | Action Type: [C-137] Non-Fee SWMF Submittal (SWMF NON-FEE SUBMITTAL) |

CONDITIONS

| | | |
|------------|----------------------|----------------|
| Created By | Condition | Condition Date |
| lbarr | Accepted for record. | 11/7/2025 |