

Santa Fe Main Office  
Phone: (505) 476-3441  
General Information  
Phone: (505) 629-6116

State of New Mexico  
Energy Minerals and Natural Resources

For State Use Only:

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-137A  
Revised October 11, 2022

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

File via OCD Permitting with any  
associated permit fee

### APPLICATION FOR MINOR MODIFICATION TO SURFACE WASTE MANAGEMENT FACILITY

1. Operator: TNT Environmental, Inc

Address: PO Box 2530, Farmington, NM 87499

Contact Person: Carl Merilatt Phone: 505-320-1404

2. Location: 0 /4 0 /4 Section 5 and 8 Township 25N Range 3W

3. Provide permit number NM1-8

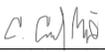
- 4. Attach a description of the proposed minor modification(s) to the surface waste management facility.
- 5. If the Minor Modification involves changes to a treatment, remediation, or disposal method, attach engineering designs, certified by a registered professional engineer, including technical data on the design elements of each applicable treatment, remediation, and disposal method and detailed designs of surface impoundments.
- 6. If the Minor Modification will affect the closure and post-closure plan, attach an updated closure and post closure plan, including a responsible third party contractor's cost estimate, sufficient to close the surface waste management facility in a manner that will protect fresh water, public health, and the environment (the closure and post closure plan shall comply with the requirements contained in 19.15.36.18 NMAC).
- 7. If the Minor Modification will affect the contingency plan, attach an updated contingency plan that complies with the requirements of Subsection N of 19.15.36.13 NMAC and with NMSA 1978, Sections 12-12-1 through 12-12-30, as amended (the Emergency Management Act).
- 8. If the Minor Modification will affect the control of run-on or run-off water at the site, attach an updated plan to control run-on water onto the site and run-off water from the site that complies with the requirements of Subsection M of 19.15.36.13 NMAC.
- 9. If the Minor Modification will affect the best management practice plan, attach a best management practice plan to ensure protection of fresh water, public health, and the environment.
- 10. The division may require additional information to demonstrate that the surface waste management facility's operation will not adversely impact fresh water, public health, or the environment and that the surface waste management facility will comply with division rules and orders.

#### 11. CERTIFICATION

I hereby certify that the information submitted with this application is true, accurate, and complete to the best of my knowledge and belief.

Name: Carl Merilatt

Title: COO

Signature: 

Date: 5-29-25

E-mail Address: cmerilatt@laplataofs.biz

June 1, 2025

Ms. Leigh Barr  
New Mexico Oil Conservation Division (NMOCD)  
1220 South Saint Francis Drive  
Santa Fe, New Mexico 87505

RE: Permit Modification Request  
TNT Landfarm 711 Permit NM1-008  
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, NMPPM  
Rio Arriba County, New Mexico

Dear Ms. Barr:

On behalf of TNT Environmental (TNT), Walsh Engineering and Ancell Environmental Consulting Services (AECS) would like to submit this C-137A Permit Modification Request in consideration of compliance requirements to complete vadose zone sampling assessments covered under the existing permit conditions of Rule 711 NM1-008, the June 17, 2005, permit modification approval.

TNT would like to request a variance to 19.15.36.15.E(2) NMAC in which vadose zone monitoring events will compare the sampling results of chlorides; total petroleum hydrocarbons (TPH); benzene, toluene, ethylbenzene, and total xylenes (BTEX); and benzene to the applicable closure criteria in Table 1 of 19.15.29.12 NMAC in place of comparison to background soil concentrations or practical quantitation limits (PQL). In accordance with using Table 1 of 19.15.29.12 NMAC, AECS has provided the following information below to satisfy site characterization requirements. The proposed alternative is in accordance with 19.15.36.19 NMAC and will provide equivalent protection of fresh water, public health and the environment at the surface waste management facility. Supporting figures and documentation are attached.

#### LOCATION

Site Name – TNT Landfarm and Evaporation Ponds, 711 Permit NM1-008

Facility ID - fEEM0112335451

Legal Description – 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

OCD Units – N, O, and P of Section 5; C and B of Section 8

Land Jurisdiction – Private

Figure 1. Location Map

Figure 2. Topographic Map

Figure 3. Landfarm Site Vicinity Map

### SITE MAP AND FACILITY BACKGROUND

The TNT Landfarm (the Site) is located in the Lindrith district of the San Juan Basin Oil and Gas field (Figure 1). The Site has been operating since 1992 as a commercial surface waste management facility in which hydrocarbon impacted soils are placed into bermed cells for remediation purposes. The Site has not received any new soils from 2016 to present but has continued plowing, discing, and monitoring the treatment and vadose zone. The Site has well maintained fencing and protective barriers in place to restrict any unauthorized access to the landfarm. Elevation across the Site ranges from approximately 7,173 feet (ft) above sea level (asl) at the southeast corner of Cell 2 up to 7,205 ft asl in the northwest corner of Cell 1 (Figure 2). The Site has a gentle 2.1 percent slope to the south-southeast. Outside of oil and gas operations, the primary land use in the Lindrith area is livestock grazing.

### BACKGROUND DATA

Background data for Cell 1, 1<sup>st</sup> Background Test, was collected on May 10, 1993, and analyzed for TPH, Inorganic Cations and Anions, and Total Metals. The laboratory report was submitted to the NMOCD in 1993 but does not include the chain of custody, which is still absent at this time. Sample 1<sup>st</sup> Background Test reported TPH below method detection limits (practical quantitation limit – PQL) of 12 mg/kg and chloride at 0.7 milliequivalents per liter (meq/L). This concentration can be converted to milligram per kilogram (mg/kg), where 1 kg is equal to 1 liter, by multiplying milliequivalents by the atomic mass of chlorine (35.4527 atomic mass unit (amu)). The reported chloride concentration of 1<sup>st</sup> background Test converts to 24.81 mg/kg (Appendix A).

Background data for modern day Cell #2, Background Area #2, was collected on September 5, 1994, and analyzed at Intermountain Laboratories in Farmington, New Mexico, for BTEX, TPH, Toxicity Characteristic Leaching Procedure (TCLP) Metals and Nitrate, Phosphate, and Potassium. Laboratory results for TPH were 85 mg/kg while BTEX was below detection limits of 9.6 part per billion (ppb). This laboratory report was also missing a chain of custody, which is still absent at this time (Appendix A).

TPH and BTEX are not naturally occurring and should not have measurable concentrations in native, undisturbed soil. Currently the background data set on file is considered incomplete due to missing chain of custody records amongst other validity issues. Regarding background values required in the 19.15.36.20.A NMAC transitional provisions and additional testing requirements for constituents listed in Subsection A and B of 20.6.2.3103 NMAC: as these do not pertain to tri-annual vadose zone monitoring events, a discussion of background data required to complete five-year vadose monitoring assessments pursuant to Paragraph (3) of 19.15.36.15.E NMAC will be addressed under separate cover.

### TRI-ANNUAL VADOSE ZONE MONITORING SAMPLING RESULTS

Quarterly and Tri-annual sampling events have been conducted at the Site since 1993. Due to the variability in sampling requirements, changing chain of custody requests of sampling parameters and acceptable methods, and confusion regarding regulatory nomenclature over the years, this dataset is a summary of the last 10 years of laboratory analytical results. TNT Table 1 reports all BTEX concentrations below laboratory detection limits for both cells. One sampling event in 2023 reported TPH-Diesel Range Organics (DRO) at 36.6 mg/kg in Cell 1; however, all other sampling events reported concentrations of Total TPH below laboratory detection limits of 90 mg/kg for both cells. Chloride concentrations in Cell 1 and Cell 2 range from below the detection limits (PQL) of 16.0 mg/kg up to 122 mg/kg in April 2025. All laboratory reports for this sampling period are included in Appendix A.

### SITE CHARACTERIZATION CRITERIA

AECS used information available from New Mexico state agency databases and federal agency geospatial databases to address the site assessment and characterization for the Site (Figure 3).

### DEPTH TO GROUNDWATER (19.15.29.11.(2))

Information for all water wells in the vicinity of the Site was collected from the New Mexico Office of the State Engineer (NMOSE). The Average Depth to Water on the New Mexico Water Rights Reporting System (NMWRRS) for Sec 8, T25N, R3W shows 265 feet (ft) below ground surface (bgs) and is based on one artesian well drilled in 1980, SJ01305, (Figure 4). Water well SJ01305 is located 0.66 miles southwest of the landfarm at ~7,150 ft asl and is approximately 25 ft lower in elevation than the southeast corner of Cell 2.

NMOSE private well SJ02431 is located 0.55 miles east of the landfarm (Figure 2). SJ02341 is a shallow water aquifer well drilled in 1957 and reported a static depth to water at 255 ft bgs. The surface elevation of SJ02431 is 7,260 ft asl. The elevation difference between SJ02431 and the lowest portion of the landfarm is approximately 87 ft.

In an OCD report dated July 2, 2015, a review of the administrative file (OCD Online) indicates that depth to water at the Site is approximately 150 ft bgs.

Based on these well records and the relative differences in elevation, depth to water at the Site is determined to be 150 – 255 ft bgs. The OSE Well records for SJ01305, SJ02431 and the associated drillers logs are attached in Appendix B.

### WELLHEAD PROTECTION (19.15.29.11.(3))

No cathodic protection wells (CPWs) were identified in the New Mexico (NM) Energy, Minerals and Natural Resources Department (EMNRD) imaging database in the same or adjacent Public Land Survey System (PLSS) sections (Figure 4).

### DISTANCE TO NEAREST SIGNIFICANT WATERCOURSE (19.15.29.11.(4))

As defined in Subsection P of 19.15.17.7 NMAC, the closest watercourse identified by a dashed blue line or next lower order tributary mapped blue line is an ephemeral stream 330 feet northeast of Cell 1 (Figure 5). The Site

is not located within 300 feet of a NM EMNRD OCD-defined continuously flowing watercourse according to 19.15.17.7.D NMAC, which excludes ephemeral washes, arroyos, and similar depressions that do not have flowing water during the majority of the days of the year. The closest distance of the Canon de los Ojitos mapped blue line is located 0.5 miles southeast however, the downstream surface confluence with the ephemeral wash closest to the landfarm is 0.7 miles south (Figure 2 and Figure 4).

**TABLE 1 CRITERIA**

To further ensure Table 1 provides equivalent protection of fresh water, public health, and the environment, additional site characterization was performed and no sinkholes, residences, schools, hospitals, institutions, churches, springs, private domestic water wells, playa lakes, stream bodies, wetlands, incorporated municipal boundaries, subsurface mines, or floodplains are located within the distances specified in 19.15.29.12(4) NMAC.

As a result of these findings and the available well data in the immediate vicinity of the site, AECS is requesting the comparison of vadose zone monitoring event analytical results for chloride, TPH (GRO+DRO+MRO), benzene, and BTEX to the NMOCD limits associated with a depth to groundwater at greater than 100 ft.

Table I Closure Criteria for Soils Impacted by a Release			
	Constituent	Method*	Limit**
>100 feet	Chloride***	EPA 300.0 or SM4500 Cl B	20,000 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	2,500 mg/kg
	GRO+DRO	EPA SW-846 Method 8015M	1,000 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg

\*Or other test methods approved by the division.

\*\*Numerical limits or natural background level, whichever is greater.

\*\*\*This applies to releases of produced water or other fluids, which may contain chloride.

A review of the analytical data from the last 10 years for Cell 1 and Cell 2 show no indication of a BTEX release in the vadose zone at two to three feet below the native ground surface. One sampling event reported a TPH concentration at 36.6 mg/kg in Cell 1. Cell 1 had three sampling events where chloride concentration was reported above submitted background levels of 24.3 mg/kg and ranged from 35.0 mg/kg up to 48.0 mg/kg. Cell 2 had two sampling events that reported concentrations from 32.0 mg/kg up to 122 mg/kg.

The historical data show that maximum TPH and chloride concentrations, 36.6 mg/kg and 122 mg/kg, respectively, at the Site are well below the thresholds that would impact freshwater, public health or the environment such as those listed in NMOCD Table 1 Closure Criteria for depth to water at greater than 100 ft (20,000 mg/kg). In addition, reported concentrations for the chloride constituent are well below the human health standards required in Subsection B of 20.6.3.3103 NMAC Standards for Groundwater (250mg/kg) as required by 19.15.36.E.(5) NMAC sampling events. As a final consideration, these chloride concentrations are also below the vadose zone reclamation standards listed in 19.15.29.13.D(1) NMAC should the landfarm decide to move towards closure and post-closure activities.

In accordance with 19.15.36.19 NMAC, TNT appreciates the consideration of the NMOCD for this exception to adopt this alternative release assessment criteria in place of 19.15.36.15.E(2) NMAC to complete vadose monitoring assessment requirements. Based on the information presented in this report, TNT believes this exception request provides equivalent protection of fresh water, public health, and the environment at the Site. If you have any questions or concerns regarding the information provided in this minor permit modification request, please contact AECS at 970-946-9869.

Sincerely,

Emilee Skyles  
Project Manager  
Ancell Environmental Consulting Services

cc: Carl Merilatt (TNT)  
Tony Schmitz (TNT)  
Craig Schmitz (TNT)

## TABLES

Table 1. Tri-Annual Vadose Zone Monitoring Analytical Results

## FIGURES

Figure 1. Location Map

Figure 2. Topographic Map

Figure 3. Landfarm Site Vicinity Map

Figure 4. OSE Well Locations

Figure 5. Distance to Significant Watercourse

## APPENDIX A

Background Laboratory Analytical Reports

2015 to 2025 Laboratory Analytical Reports

## APPENDIX B

OSE Well Files

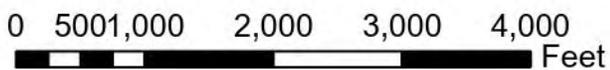
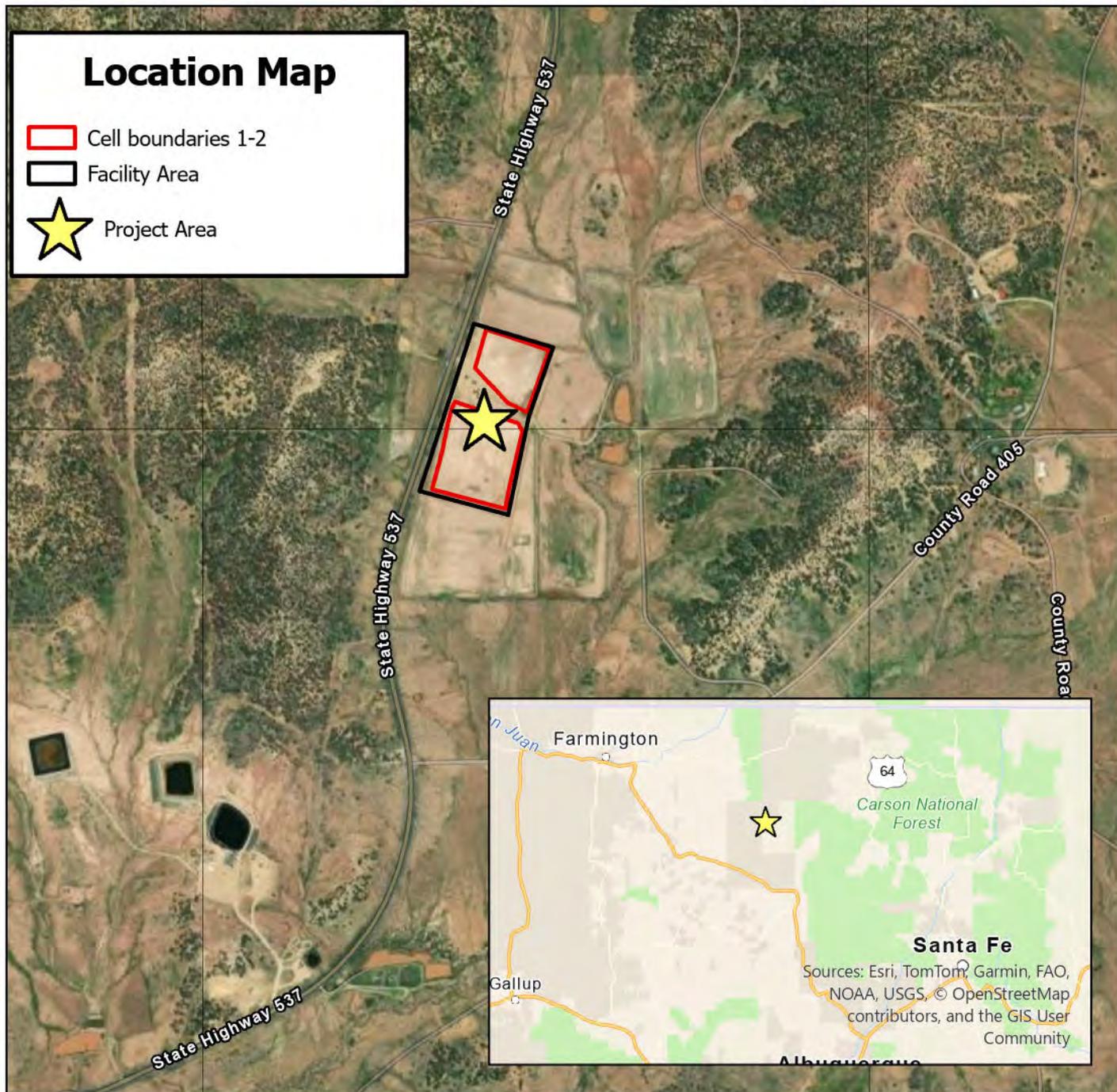
# TABLES

Table 1. Tri-annual Vadose Zone Monitoring Analytical Results  
 TNT Commercial Surface Waste Facility (fEEM0112335451)  
 Permit NM1-8  
 2015 - 2025

			Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH (mg/kg)	TPH (mg/kg)			Chloride (mg/kg)
<b>Background Concentrations</b>			<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>			<b>&lt;0.5 to 24.3*</b>
<b>NMOCD Table 1 Site Closure Criteria (19.15.29 NMAC)**</b>			<b>10</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>50</b>	<b>GRO+DRO+ORO</b>	<b>GRO</b>	<b>DRO</b>	<b>ORO</b>	<b>20,000**</b>
Sample Date	Sample ID	Sample Depth feet below native ground surface										
11/04/15	Cell #1	2 to 3	<0.050	<0.050	<0.050	<0.150	<0.300	<30.0	<10.0	<10.0	<10.0	<b>48.0</b>
07/20/16	Cell #1	2 to 3	<0.050	<0.050	<0.050	<0.150	<0.300	<30.0	<10.0	<10.0	<10.0	<16.0
No vadose zone monitoring events occurred between June 20, 2016, and July 20, 2023.												
7/20/23	Cell 1 Vadose	3	<0.025	<0.025	<0.025	<0.0750	<0.150	<90	<20.0	<25.0	<50.0	NA
9/26/23	Cell 1 Vadose	3	<0.025	<0.025	<0.025	<0.0750	<0.150	<90	<20.0	<25.0	<50.0	<20.0
4/23/24	Cell 1 Vadose	3	<0.025	<0.025	<0.025	<0.0750	<0.150	<90	<20.0	<25.0	<50.0	22.4
7/31/24	Cell 1 Vadose	3	<0.025	<0.025	<0.025	<0.0750	<0.150	<90	<20.0	<25.0	<50.0	NA
10/29/24	Cell 1 Vadose	3	<0.025	<0.025	<0.025	<0.0750	<0.150	<90	<20.0	<25.0	<50.0	<b>37.9</b>
4/29/25	Cell 1 Vadose	2.5 to 3	<0.025	<0.025	<0.025	<0.0750	<0.150	<90	<20.0	<25.0	<50.0	<b>35.0</b>
No vadose zone monitoring events occurred between May 20, 2016, and July 20, 2023.												
11/4/15	Cell #2	2 to 3	<0.050	<0.050	<0.050	<0.150	<0.300	<30.0	<10.0	<10.0	<10.0	<b>32.0</b>
06/24/16	Cell #2	2 to 3	<0.050	<0.050	<0.050	<0.150	<0.300	<30.0	<10.0	<10.0	<10.0	<16.0
No vadose zone monitoring events occurred between May 20, 2016, and July 20, 2023.												
7/20/23	Cell 2 Vadose	3	<0.0250	<0.0250	<0.0250	<0.0750	<0.150	<b>36.6</b>	<20.0	<b>36.6</b>	<50.0	NA
9/26/23	Cell 2 Vadose	3	<0.0250	<0.0250	<0.0250	<0.0750	<0.150	<90	<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	<90	<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	<90	<20.0	<25.0	<50.0	NA
10/29/24	Cell 2 Vadose	3	<0.0250	<0.0250	<0.0250	<0.0750	<0.150	<90	<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	<90	<20.0	<25.0	<50.0	<b>122</b>

\*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  
 NE - Not Established  
 NA - Not Analyzed  
 BTEX analyzed per USEPA Method 8021 or 8260  
 TPH (GRO+DRO+ORO) analyzed per USEPA Method 8015M  
 Chloride analyzed per USEPA Method 300.0

## FIGURES



Ancell Environmental  
Consulting Services



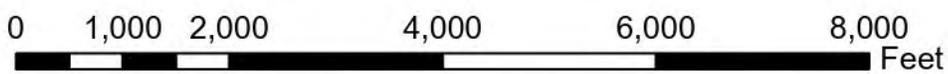
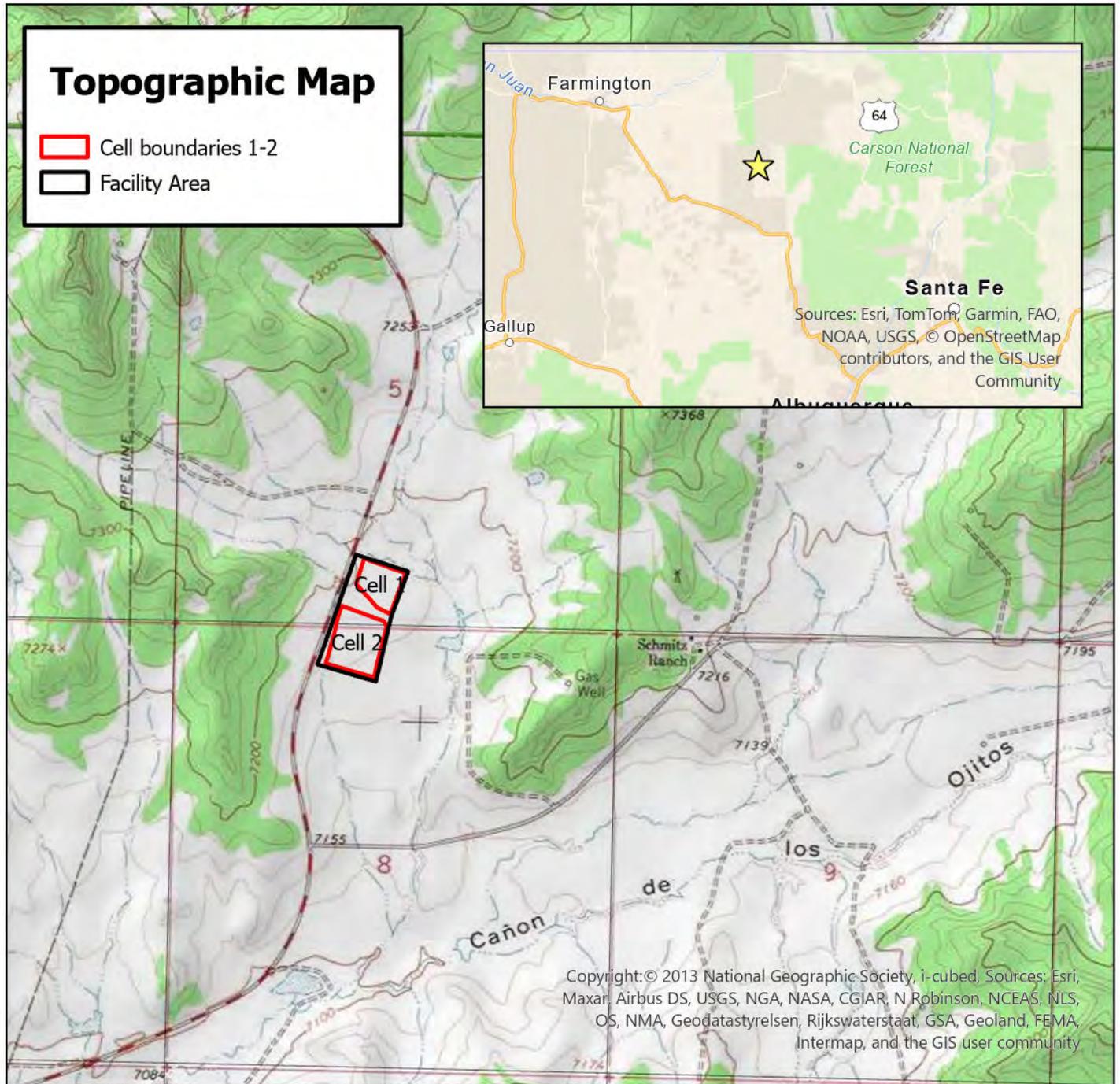
### TNT Environmental, Inc

**Permit NM1-008**  
**Evaporation Ponds and Landfarm**  
**Facility ID: FEEM0112335451**

SE/4 of Section 7 and SW/4 of Section 8 (Evaporation Ponds) and SW/4  
SE/4 and SE/4 NW/4 of Section 5 and NE/4 NW/4 of Section 8  
(Landfarm)

Township 25 North, Range 3 West, Rio Arriba County, New Mexico

**Fig  
1**



Ancell Environmental  
Consulting Services

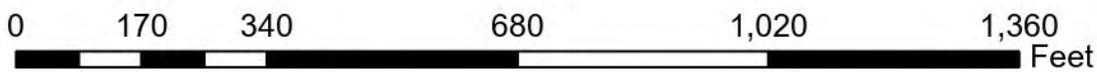
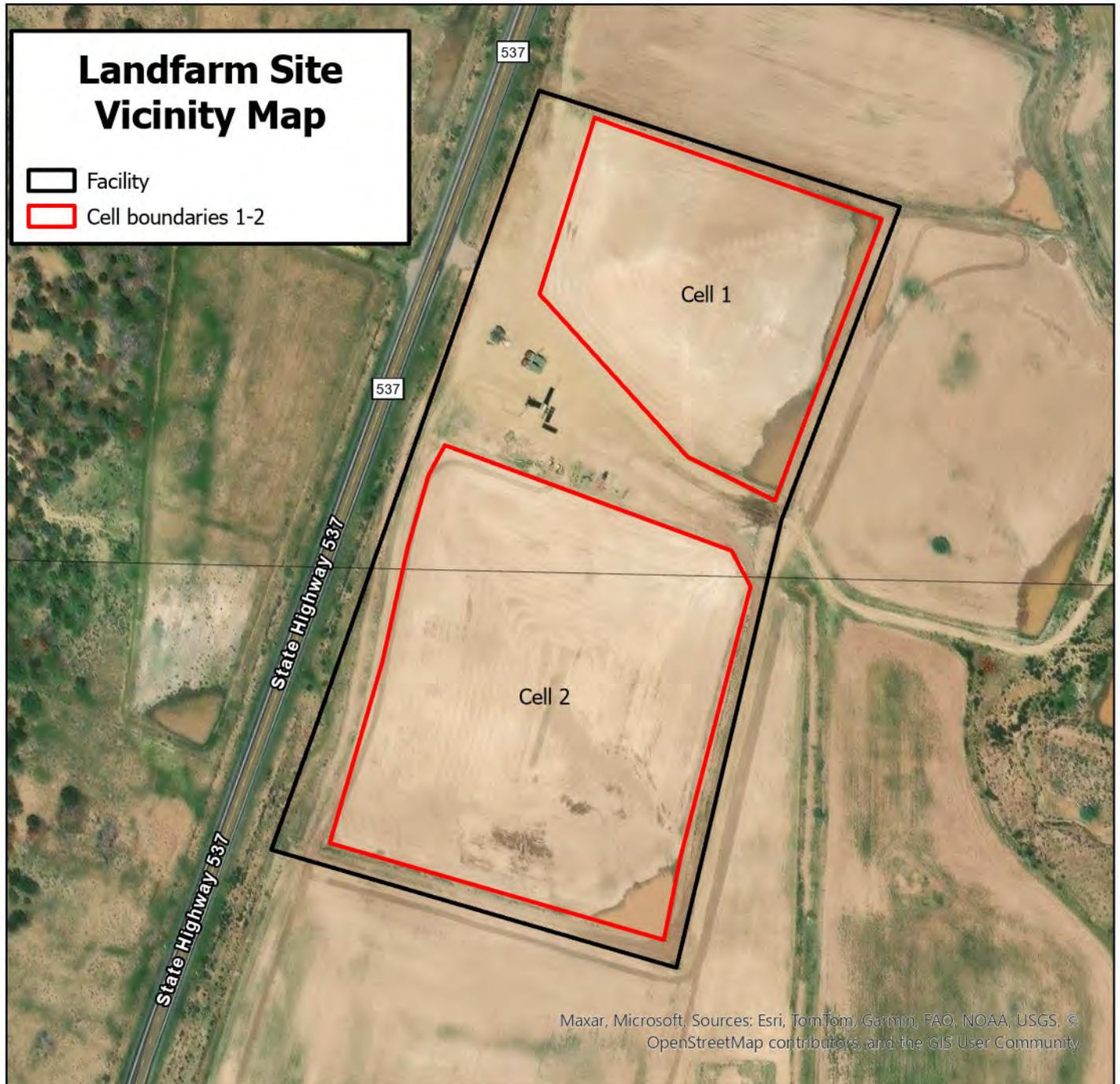


**TNT Environmental, Inc**

**Permit NM1-008**  
**Evaporation Ponds and Landfarm**  
**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, Rio Arriba County, New Mexico

**Fig 2**



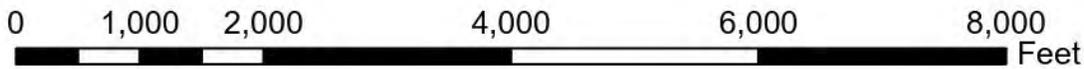
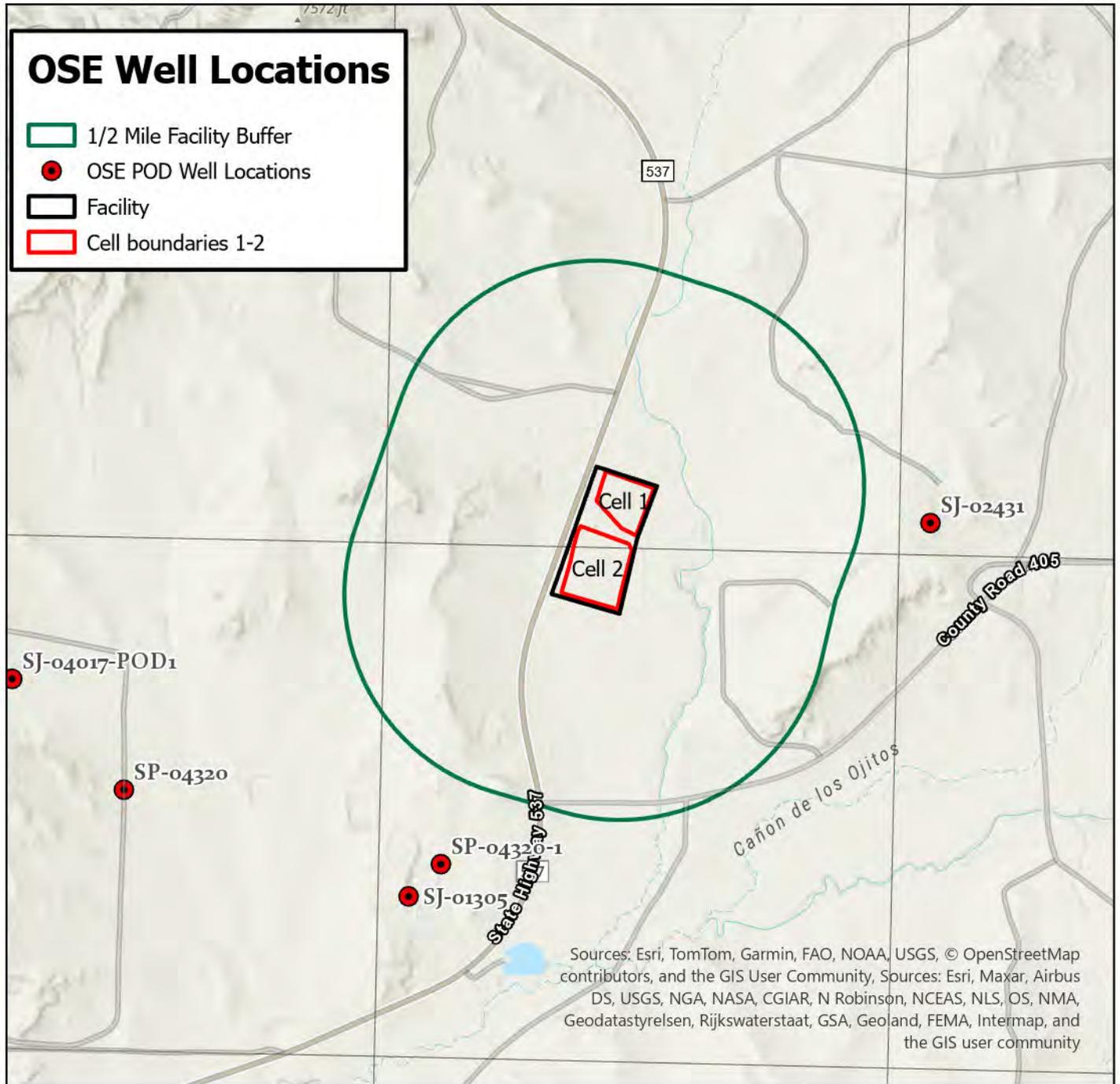
Ancell Environmental  
Consulting Services



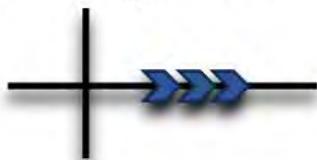
**TNT Environmental, Inc**  
**Permit NM1-008**  
**Facility ID: fEEM0112335451**

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, Rio Arriba County, New Mexico

**Fig  
3**



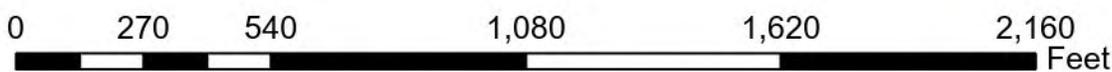
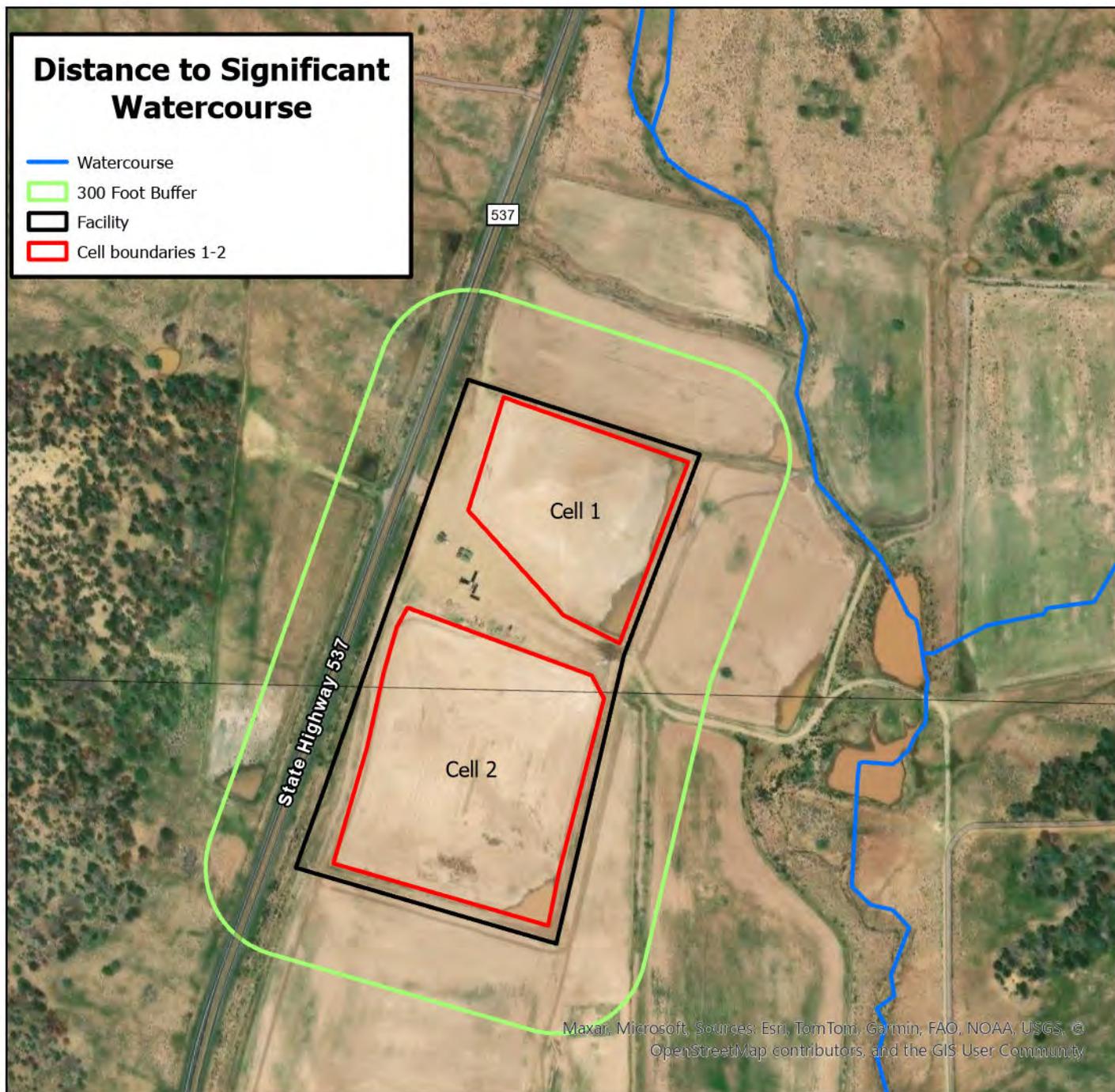
Ancell Environmental  
Consulting Services



**TNT Environmental, Inc**  
**Permit NM1-008**  
**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, Rio Arriba County, New Mexico

**Fig  
4**



Ancell Environmental  
Consulting Services



**TNT Environmental, Inc**  
**Permit NM1-008**  
**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, Rio Arriba County, New Mexico

**Fig  
5**

# APPENDIX A



OIL CONSERVATION DIVISION  
RECEIVED

93 DE 27 AM 9 53

2506 West Main Street  
Farmington, New Mexico 87401  
Tel. (505) 326-4737

**TONY SCHMITZ**  
T-N-T Construction  
HCR 74 Box 115  
Lindrieth, New Mexico 87029

27 May, 1993

Dear Mr. Schmitz,

On 11 May, 1993, one soil samples was received at Inter-Mountain Laboratories - Farmington, New Mexico. The Project Location was identified as "Lindrieth". Analyses were performed to determine concentrations of Total Recoverable Petroleum Hydrocarbons (TPH), Inorganic Cations and Anions, and Total Metals.

Analyses were performed following protocol defined in the Test Methods for Evaluating Solid Waste, SW-846, and Methods for Chemical Analysis of Water and Wastes. The samples were extracted for TPH following steps defined in Method 3550: Sonication Extraction using 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon) as an extraction solvent. The extracts were analyzed by EPA Method 418.1: Total Recoverable Petroleum Hydrocarbons.

The TPH analyses were performed on a Beckman Instruments IR-10 Infrared Spectrophotometer. No level of petroleum products was found in the sample at concentrations above method detection limits. Limits of detection are based on instrument performance under standard conditions, matrix interferences, and dilution requirements to maintain output within established calibration ranges.

The samples were extracted for Total Metals following steps defined in Method 3050: Acid Digestion of Sediments, Sludges, and Soils. The extracts were analyzed by EPA Method 6010: Inductively Coupled Plasma Atomic Emission Spectroscopy.

The Metals analyses were performed on a Thermo-Jarrell Ash 61E Inductive Coupled Plasma Spectrophotometer. Several metallic elements were found in the sample at concentrations above method detection limits as noted in the report.

Quality control analysis results are presented for your records and appear in a separate section. The elevated of Iron and Silicon in the Metals Method Blank may be attributed to carryover from the last sample run prior to the blank. If there are any questions or comments regarding the information presented in this package, please feel free to call at your convenience.

Sincerely,

Charles Ballek  
Laboratory Manager  
IML - Farmington

TNT2550

*Dirt sample before dirt farm 1/1/93*

**TOTAL PETROLEUM HYDROCARBONS**  
EPA Method 418.1

T-N-T Construction

Project ID: Lindreth  
Sample Matrix: Soil  
Preservative: Cool  
Condition: Intact

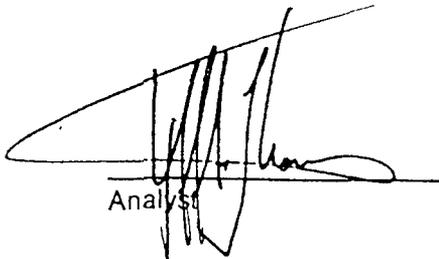
Report Date: 05/12/93  
Date Sampled: 05/10/93  
Date Received: 05/11/93  
Date Extracted: 05/11/93  
Date Analyzed: 05/11/93

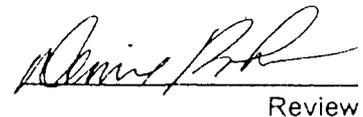
Sample ID	Lab ID	Concentration (mg/kg)	Detection Limit (mg/kg)
1st Background Test	2550	ND	12

ND- Analyte not detected at the stated detection limit.

**Reference:** Method 3550 - Sonication Extraction; Test Methods for Evaluating Solid Waste, SW-846, United States Environmental Protection Agency, September, 1986;  
Method 418.1 - Petroleum Hydrocarbons, Total Recoverable; Chemical Analysis of Water and Waste, United States Environmental Protection Agency, 1978.

**Comments:**

  
Analyst

  
Review



InterMountain Laboratories, Inc.

2506 West Main Street

Farmington, New Mexico 87401

Tel. (505) 326-4737

DATE SAMPLED: May 10, 1993  
DATE REPORTED: May 19, 1993

TNT CONSTRUCTION  
LOCATION: LINDRITH

Extract pH, s.u. 8.04  
E.C., umhos/cm @ 25 degrees C 208

Lab No.	Location	Calcium meq/l	Magnesium meq/l	Potassium meq/l	Sodium meq/l	Alkalinity as Bicarbonate meq/l	Chloride meq/l	Nitrate meq/l	Sulfate meq/l
2550	1st Background Test	1.33	0.44	0.49	0.57	1.74	0.07	0.02	0.38

CATIONS, meq/l 2.83  
 ANIONS, meq/l 2.21  
 Difference, meq/l 0.62  
 Total, meq/l 5.04  
 Percent Difference 12

Reviewed by  
  
 Linda Spencer, Soil Lab Director

Analytes reported from a 1:1 Paste Extract.

2506 W. Main Street  
 Farmington, New Mexico 87401

### TOTAL METALS - ICP SCAN

CLIENT: TNT CONSTRUCTION  
 PROJECT: Lindrith

Sample ID: 1st Background Test      Date Received: 5/11/93  
 Laboratory ID: 2550      Date Extracted: 5/12/93  
 Sample Matrix: Soil      Date Reported: 5/26/93

Analyte	Concentration	Detection Limit	Units
Aluminum	8700	5	mg / kg
Antimony	9.5	1.0	mg / kg
Arsenic	ND	5	mg / kg
Bismuth	1.0	0.5	mg / kg
Boron	ND	0.5	mg / kg
Barium	90	25	mg / kg
Beryllium	0.55	0.25	mg / kg
Cadmium	ND	0.25	mg / kg
Chromium	11.5	1.0	mg / kg
Cobalt	5.0	0.5	mg / kg
Copper	6.5	0.5	mg / kg
Gold	ND	0.25	mg / kg
Iron	12400	2.5	mg / kg
Lead	ND	10	mg / kg
Lithium	7.0	0.5	mg / kg
Manganese	263	1	mg / kg
Molybdenum	ND	1	mg / kg
Nickel	8.0	0.5	mg / kg
Phosphorus	200	0.5	mg / kg
Selenium	ND	5	mg / kg
Silicon	360	5	mg / kg
Silver	ND	0.5	mg / kg
Strontium	18.5	0.5	mg / kg
Thallium	ND	25	mg / kg
Thorium	5	5	mg / kg
Tin	ND	1	mg / kg
Titanium	151	0.5	mg / kg
Uranium	ND	10	mg / kg
Vanadium	22.0	0.5	mg / kg
Yttrium	9.0	2.5	mg / kg
Zinc	29.5	0.5	mg / kg

ND - Parameter not detected at stated Detection Limit.

REFERENCES

"Test Methods for Evaluating Solid Waste: Physical/Chemical Methods", SW - 846, United States Environmental Protection Agency, November, 1986. Method 3050 - Acid Digestion of Sediments, Sludges, and Soils.

  
 Reviewed

2506 W. Main Street  
Farmington, New Mexico 87401

**Quality Control Report**  
**TOTAL PETROLEUM HYDROCARBONS**  
EPA Method 418.1

Method Blank Analysis

Project ID: Lindreth  
Sample Matrix: Soil

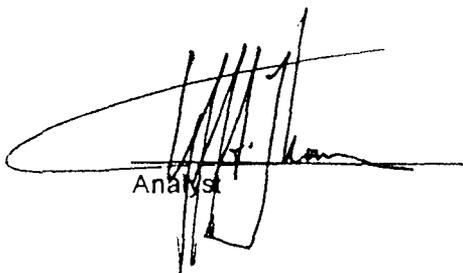
Report Date: 05/12/93  
Date Extracted: 05/11/93  
Date Analyzed: 05/11/93

Lab ID	Concentration (mg/kg)	Detection Limit (mg/kg)
MB34100	ND	2.50

ND- Analyte not detected at the stated detection limit.

Reference: Method 3550 - Sonication Extraction; Test Methods for Evaluating Solid Waste, SW-846, United States Environmental Protection Agency, September, 1986;  
Method 418.1 - Petroleum Hydrocarbons, Total Recoverable; Chemical Analysis of Water and Waste, United States Environmental Protection Agency, 1978.

Comments:

  
Analyst

  
Review

2508 W. Main Street  
 Farmington, New Mexico 87401

## TOTAL METALS - ICP SCAN Quality Control Report - Matrix Blank

**CLIENT:** TNT CONSTRUCTION  
**PROJECT:** Lindrith

Sample ID:	1st Background Test	Date Received:	5/11/93
Laboratory ID:	Blank	Date Extracted:	5/12/93
		Date Reported:	5/26/93

Analyte	Concentration	Detection Limit	Units
Aluminum	5	5	mg / kg
Antimony	ND	1.0	mg / kg
Arsenic	ND	5	mg / kg
Bismuth	ND	0.5	mg / kg
Boron	2.5	0.5	mg / kg
Barium	ND	25	mg / kg
Beryllium	ND	0.25	mg / kg
Cadmium	ND	0.25	mg / kg
Chromium	ND	1.0	mg / kg
Cobalt	ND	0.5	mg / kg
Copper	ND	0.5	mg / kg
Gold	ND	0.25	mg / kg
Iron	17.0	2.5	mg / kg
Lead	ND	10	mg / kg
Lithium	ND	0.5	mg / kg
Manganese	ND	1	mg / kg
Molybdenum	ND	1	mg / kg
Nickel	ND	0.5	mg / kg
Phosphorus	1.0	0.5	mg / kg
Selenium	ND	5	mg / kg
Silicon	25	5	mg / kg
Silver	ND	0.5	mg / kg
Strontium	ND	0.5	mg / kg
Thallium	ND	25	mg / kg
Thorium	ND	5	mg / kg
Tin	ND	1	mg / kg
Titanium	ND	0.5	mg / kg
Uranium	ND	10	mg / kg
Vanadium	ND	0.5	mg / kg
Yttrium	ND	2.5	mg / kg
Zinc	2.5	0.5	mg / kg

ND - Parameter not detected at stated Detection Limit.

**REFERENCES**

"Test Methods for Evaluating Solid Waste: Physical/Chemical Methods", SW - 846, United States Environmental Protection Agency, November, 1986. Method 3050 - Acid Digestion of Sediments, Sludges, and Soils.

*CRB*

2506 W. Main Street  
Farmington, New Mexico 87401

**Quality Control Report**  
**TOTAL PETROLEUM HYDROCARBONS**  
EPA Method 418.1

Matrix Spike Analysis

Project ID: Lindreth  
Sample Matrix: Soil

Report Date: 05/12/93  
Date Extracted: 05/11/93  
Date Analyzed: 05/11/93

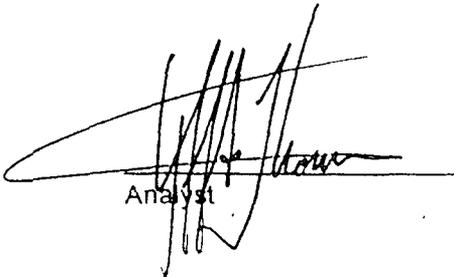
Lab ID	Spiked Sample Conc. (mg/kg)	Unspiked Sample Conc. (mg/kg)	Spike Added (mg/kg)	Percent Recovery
MBSPK34100	15.1	ND	15.0	101%

Acceptance Limits: 64 - 124%

ND- Analyte not detected at the stated detection limit.

**Reference:** Method 3550 - Sonication Extraction; Test Methods for Evaluating Solid Waste, SW-846, United States Environmental Protection Agency, September, 1986;  
Method 418.1 - Petroleum Hydrocarbons, Total Recoverable; Chemical Analysis of Water and Waste, United States Environmental Protection Agency, 1978.

**Comments:**

  
Analyst

  
Review



2508 W. Main Street  
Farmington, New Mexico 87401

**Quality Control Report**  
**TOTAL PETROLEUM HYDROCARBONS**  
EPA Method 418.1

Duplicate Analysis

Project ID:	Lindreth	Report Date:	05/12/93
Sample ID:	2	Date Extracted:	05/11/93
Sample Matrix:	Soil	Date Analyzed:	05/11/93

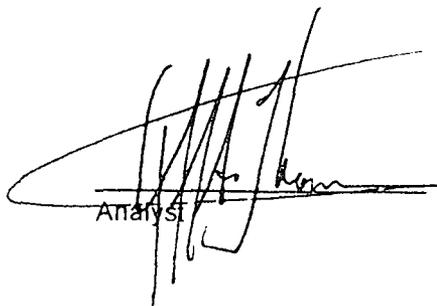
Lab ID	Duplicate Conc. (mg/kg)	Sample Conc. (mg/kg)	Percent Difference	Acceptance Limit
2545Dup	279	261	7%	< 30%

ND - Analyte not detected at the stated detection limit.

NA - Not calculated.

**Reference:** Method 3550 - Sonication Extraction; Test Methods for Evaluating Solid Waste, SW-846, United States Environmental Protection Agency, September, 1986;  
Method 418.1 - Petroleum Hydrocarbons, Total Recoverable; Chemical Analysis of Water and Waste, United States Environmental Protection Agency, 1978.

**Comments:**

  
Analyst

  
Review

2506 W. Main Street  
Farmington, New Mexico 87401

**Quality Control Report**  
**TOTAL PETROLEUM HYDROCARBONS**  
**EPA Method 418.1**

Matrix Spike Duplicate Analysis

Project ID: Lindreth  
Sample Matrix: Soil

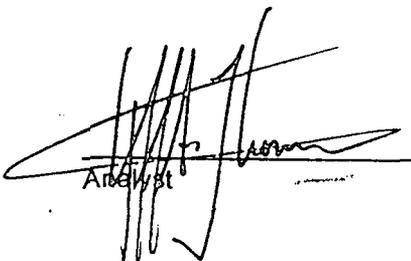
Report Date: 05/12/93  
Date Extracted: 05/11/93  
Date Analyzed: 05/11/93

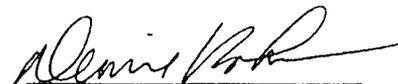
Lab ID	Spiked Duplicate Conc. (mg/kg)	Spiked Sample Conc. (mg/kg)	Percent Difference	Acceptance Limit
MBSPKDP34100	15.2	15.1	1%	< 20%

ND- Analyte not detected at the stated detection limit.

**Reference:** Method 3550 - Sonication Extraction; Test Methods for Evaluating Solid Waste, SW-846, United States Environmental Protection Agency, September, 1986;  
Method 418.1 - Petroleum Hydrocarbons, Total Recoverable; Chemical Analysis of Water and Waste, United States Environmental Protection Agency, 1978.

**Comments:**

  
Analyst

  
Review

2506 W. Main Street  
 Farmington, New Mexico 87401

### TOTAL METALS - ICP SCAN Quality Control Report - Duplicate Analysis

**CLIENT:** TNT CONSTRUCTION  
**PROJECT:** Lindrith

**Sample ID:** 1st Background Test  
**Laboratory ID:** 2550dup  
**Sample Matrix:** Soil

**Date Received:** 5/11/93  
**Date Extracted:** 5/12/93  
**Date Reported:** 5/26/93

Analyte	Original Concentration	Duplicate Concentration	Detection Limit	Relative Percent Difference	Units
Aluminum	9950	9950	5	0	mg / kg
Antimony	9.5	9.5	1.0	0	mg / kg
Arsenic	ND	ND	5	NC	mg / kg
Bismuth	1.0	ND	0.5	NC	mg / kg
Boron	ND	ND	0.5	NC	mg / kg
Barium	90	85	25	5.7	mg / kg
Beryllium	0.55	0.60	0.25	8.7	mg / kg
Cadmium	ND	ND	0.25	NC	mg / kg
Chromium	11.5	12.5	1.0	8.3	mg / kg
Cobalt	5.0	5.0	0.5	0	mg / kg
Copper	6.5	6.5	0.5	0	mg / kg
Gold	ND	ND	0.25	NC	mg / kg
Iron	12400	12750	2.5	2.8	mg / kg
Lead	ND	ND	10	NC	mg / kg
Lithium	7.0	7.0	0.5	0	mg / kg
Manganese	263	254	1	3.5	mg / kg
Molybdenum	ND	ND	1	NC	mg / kg
Nickel	8.0	8.0	0.5	0	mg / kg
Phosphorus	200	199	0.5	0.3	mg / kg
Selenium	ND	ND	5	NC	mg / kg
Silicon	360	265	5	30.4	mg / kg
Silver	ND	ND	0.5	NC	mg / kg
Strontium	18.5	18.5	0.5	0	mg / kg
Thallium	ND	ND	25	NC	mg / kg
Thorium	5	10	5	66.7	mg / kg
Tin	ND	ND	1	NC	mg / kg
Titanium	151	155	0.5	2.6	mg / kg
Uranium	ND	ND	10	NC	mg / kg
Vanadium	22.0	23.0	0.5	4.4	mg / kg
Yttrium	9.0	9.0	2.5	0	mg / kg
Zinc	29.5	29.5	0.5	0	mg / kg

ND - Parameter not detected at stated Detection Limit.  
 NC - Noncalculable RPD due to value(s) less the DL.

**REFERENCES** "Test Methods for Evaluating Solid Waste: Physical/Chemical Methods", SW  
 - 846, United States Environmental Protection Agency, November, 1986.  
 Method 3050 - Acid Digestion of Sediments, Sludges, and Soils.



Reviewed

## T-N-T Landfarm

### Case Narrative

On September 5 1994, thirty soil samples were submitted to Inter-Mountain Laboratories - Farmington for analysis. The samples were received intact. Analyses for Benzene-Toluene-Ethylbenzene-Xylenes (BTEX), Total Petroleum Hydrocarbons (TPH), TCLP Metals, Nitrate, Phosphate, and Potassium (NPK) were performed on the samples as per the accompanying Chain of Custody document.

BTEX analysis on the samples were performed by EPA Method 5030, Purge and Trap, and EPA Method 8020, Aromatic Volatile Hydrocarbons, using an OI Analytical 4560 Purge and Trap and a Hewlett-Packard 5890 Gas Chromatograph, equipped with a photoionization detector. Detectable levels of BTEX analytes were found in the samples as indicated in the enclosed report.

The Total Petroleum Hydrocarbon samples were extracted by Method 3550, "Sonication Extraction", with 1,1,2-trichloro 1,2,2-trifluoroethane (Freon) as the extraction solvent. Analysis was by Method 418.1, "Total Recoverable Petroleum Hydrocarbons", using a Beckman Acculab 10 Infrared Spectro-photometer. Petroleum hydrocarbons were detected in the samples as indicated in the enclosed report.

It is the policy of this laboratory to employ, whenever possible, preparatory and analytical methods which have been approved by regulatory agencies. The methods used in the analyses of the samples reported herein are found in Test Methods for Evaluation of Solid Waste, SW-846, USEPA, 1986 and Methods for Chemical Analysis of Water and Wastes, EPA-600/4-79-020, USEPA, 1983.

Quality control reports appear at the end of the analytical package and may be identified by title. If there are any questions regarding the information presented in this package, please feel free to call at your convenience.

Sincerely,



Anna Schaerer  
Organic Analyst

TOTAL PETROLEUM HYDROCARBONS  
EPA METHOD 418.1

T-N-T Landfarm

Project: Soils  
Matrix: Soil  
Condition: Intact/Cool

Date Reported: 09/21/94  
Date Sampled: 09/05/94  
Date Received: 09/06/94  
Date Extracted: 09/12/94  
Date Analyzed: 09/13/94

Sample ID	Lab ID	Result (mg/kg)	Detection Limit
Background Area #2	G01455	85	20
Cell 1-A, B, C 98 #11	G01456	300	20
Cell 1-D, E&F, G 98 #	G01457	270	20
Cell 1-H, I, J 96-3A	G01458	420	20
Cell 1-K, L, M 96-3A	G01459	140	20
Cell 1-N, O, P 96-3A	G01460	260	19
Cell 1-Q, R, S 96-3A	G01461	95	17
✓ Cell 2-M, A 98 #5A	G01462	240	18
✓ Cell 1-O, P, Q 98 #10	G01463	250	18
✓ Cell 1-A, D, J 98 #10	G01464	290	19

ND - Analyte not detected at stated detection level.

References:

**Method 418.1:** Petroleum Hydrocarbons, Total Recoverable, USEPA Chemical Analysis of Water and Waste, 1978.

**Method 3550:** Ultrasonic Extraction of Non-Volatile and Semi-Volatile Organic Compounds from Solids, USEPA SW-846, Rev. 1, July 1992.

Analyst: Anna Schaefer

Reviewed: LR

**TOTAL PETROLEUM HYDROCARBONS  
EPA METHOD 418.1**

**T-N-T Landfarm**

Project: Soils  
Matrix: Soil  
Condition: Intact/Cool

Date Reported: 09/21/94  
Date Sampled: 09/05/94  
Date Received: 09/06/94  
Date Extracted: 09/13/94  
Date Analyzed: 09/13/94

Sample ID	Lab ID	Result (mg/kg)	Detection Limit
✓ Cell 1-R & 5 98 #10	G01465	160	19
✓ Cell 1-G 96-3A	G01466	160	20
✓ Cell 2-N 98 #10	G01467	180	19
✓ Cell 2-A, C & D 98 #10	G01468	130	20
✓ Cell 2-G, H, I 98 #5A	G01469	110	19
<del>Cell 2-B, E, F 98 #5A</del>	<del>G01470</del>	<del>ND</del>	<del>18</del>
<del>Cell 2-E, I &amp; J 98 #10A</del>	<del>G01471</del>	<del>62</del>	<del>18</del>
<del>Cell 2-K, L &amp; N 98 #10</del>	<del>G01472</del>	<del>64</del>	<del>18</del>
<del>Cell 2-O &amp; Q 98 #10A</del>	<del>G01473</del>	<del>ND</del>	<del>19</del>
<del>Cell 2-P 98 #5A</del>	<del>G01474</del>	<del>68</del>	<del>19</del>

ND - Analyte not detected at stated detection level.

References:

**Method 418.1:** Petroleum Hydrocarbons, Total Recoverable, USEPA Chemical Analysis of Water and Waste, 1978.

**Method 3550:** Ultrasonic Extraction of Non-Volatile and Semi-Volatile Organic Compounds from Solids, USEPA SW-846, Rev. 1, July 1992.

Analyst: Anna Schaefer

Reviewed: [Signature]

**TOTAL PETROLEUM HYDROCARBONS  
EPA METHOD 418.1**

**T-N-T Landfarm**

Project: Soils  
Matrix: Soil  
Condition: Intact/Cool

Date Reported: 09/21/94  
Date Sampled: 09/05/94  
Date Received: 09/06/94  
Date Extracted: 09/14/94  
Date Analyzed: 09/16/94

Sample ID	Lab ID	Result (mg/kg)	Detection Limit
Cell 4-A, B & C, D 98 #10	G01475	74	19
Cell 4-G, H, I & K 98 #12	G01476	44	20
Cell 4-D, E & F 98 #12	G01477	ND	20
Cell 4-L, M 98 #11A	G01478	170	20
Cell 4-E, J & K 98 #11A	G01479	240	18
Cell 3-C 98 #5A	G01480	91	20
Cell 2-E & I 98 #10A	G01481	ND	19
Cell 3-D 98 #10A	G01482	160	19
Cell 3-E 98 #12	G01483	330	20
Cell 3-F 98 #11A	G01484	170	17

ND - Analyte not detected at stated detection level.

References:

**Method 418.1:** Petroleum Hydrocarbons, Total Recoverable, USEPA Chemical Analysis of Water and Waste, 1978.

**Method 3550:** Ultrasonic Extraction of Non-Volatile and Semi-Volatile Organic Compounds from Solids, USEPA SW-846, Rev. 1, July 1992.

Analyst: *Anna Schaefer*

Reviewed: *[Signature]*

Mountain Laboratories, Inc.

2506 W. Main Street  
Farmington, New Mexico 87401

Client: T-N-T Landfarm  
Project: Soils  
Sample ID: Background Area #2  
Laboratory ID: G01455  
Sample Matrix: Soil  
Condition: Cool/Intact

Date Reported: 09/26/94  
Date Sampled: 09/05/94  
Time Sampled: 1720  
Date Received: 09/06/94

Parameter	Analytical Result	Units
-----------	-------------------	-------

Nitrate.....	0.12	ppm
Phosphate.....	0.26	ppm
Potassium.....	97	ppm

Reference: U.S.E.P.A. 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983  
"Standard Methods For The Examination Of Water And Waste Water", 17th ed., 1989.

Reported by Anna Schaefer

Reviewed by [Signature]

**TOXICITY CHARACTERISTIC LEACHING PROCEDURE  
TRACE METAL CONCENTRATION**

Client:	<b>T-N-T Landfarm</b>	Date Reported:	09/26/94
Project:	Soils	Date Sampled:	09/05/94
Sample ID:	Background Area #2	Date Received:	09/06/94
Laboratory ID:	G01455	Date Analyzed:	09/13-16/94
Sample Matrix:	Soil		
Condition:	Cool/ Intact		

Parameter	Result	Detection Limit	Regulatory Level	Units
Arsenic.....	0.005	0.005	5	mg/L
Barium.....	2.1	0.5	100	mg/L
Cadmium.....	0.006	0.002	1	mg/L
Chromium.....	ND	0.02	5	mg/L
Lead.....	0.13	0.005	5	mg/L
Mercury.....	ND	0.001	0.2	mg/L
Selenium.....	ND	0.005	1	mg/L
Silver.....	ND	0.01	5	mg/L

References: Method 1311: Toxicity Characteristic Leaching Procedure, SW-846, Rev. 0, July 1992.

Method 3010A: Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, Rev. 1, July 1992.

Reported By: Anna Schaefer

Reviewed: [Signature]

**VOLATILE AROMATIC HYDROCARBONS**

**T-N-T Landfarm**

Project ID:	Soils	Report Date:	09/21/94
Sample ID:	Background Area #2	Date Sampled:	09/05/94
Lab ID:	G01455	Date Received:	09/06/94
Sample Matrix:	Soil	Date Extracted:	09/06/94
Condition:	Cool/Intact	Date Analyzed:	09/08/94

Target Analyte	Concentration (ppb)	Detection Limit (ppb)
Benzene	ND	9.6
Toluene	ND	9.6
Ethylbenzene	ND	9.6
m,p-Xylenes	ND	9.6
o-Xylene	ND	9.6

ND - Analyte not detected at the stated detection limit.

<b>Quality Control:</b>	<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Acceptance Limits</u>
	Bromofluorobenzene	98.5	74 -121%

**Reference:** Method 5030, Purge and Trap; Method 8020, Aromatic Volatile Organics; Test Methods for Evaluating Solid Wastes, SW-846, United States Environmental Protection Agency, September 1986.

**Comments:**

Anna Schauer  
Analyst

[Signature]  
Review

TOXICITY CHARACTERISTIC LEACHING PROCEDURE  
METHOD BLANK

Client:	T-N-T Landfarm	Date Reported:	09/26/94
Project:	Soils	Date Sampled:	09/05/94
Sample ID:	Background Area #2	Date Received:	09/06/94
Laboratory ID:	G01455	Date Analyzed:	09/13-16/94
Sample Matrix:	Soil		
Condition:	Cool/ Intact		

Parameter	Result	Detection Limit	Units
Arsenic.....	ND	0.005	mg/L
Barium.....	1.0	0.5	mg/L
Cadmium.....	ND	0.002	mg/L
Chromium.....	ND	0.02	mg/L
Lead.....	ND	0.005	mg/L
Mercury.....	ND	0.001	mg/L
Selenium.....	ND	0.005	mg/L
Silver.....	ND	0.01	mg/L

References: Method 1311: Toxicity Characteristic Leaching Procedure, SW-846, Rev. 0, July 1992.

Method 3010A: Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, Rev. 1, July 1992.

Reported By: Anna Schaefer

Reviewed: HR

TOTAL PETROLEUM HYDROCARBONS  
Quality Assurance/Quality Control

## T-N-T Landfarm

Project: Soils  
Matrix: Soil  
Condition: Intact/CoolDate Reported: 09/21/94  
Date Sampled: 09/05/94  
Date Received: 09/06/94  
Date Extracted: 09/12/94  
Date Analyzed: 09/13/94

## Duplicate Analysis

Lab ID	Sample Result	Duplicate Result	Units	% Difference
G01464	290	300	ppm	4.7%

## Matrix Spike Analysis

Lab ID	Sample Result	Spike Result	Spike Added	% Recovery
G01455	4.3	13.5	10	92.0%

## Method Blank Analysis

Lab ID	Result	Detection Limit
MB	ND	20

ND - Analyte not detected at stated detection level.

## References:

**Method 418.1:** Petroleum Hydrocarbons, Total Recoverable, USEPA Chemical Analysis of Water and Waste, 1978.**Method 3510:** Separatory Funnel Liquid - Liquid Extraction, USEPA SW-846, Test Methods for Evaluating Solid Waste, Rev. 1, July, 1992.Analyst: Anna SchaeferReviewed: WR

2506 W. Main Street  
Farmington, New Mexico 87401

**TOTAL PETROLEUM HYDROCARBONS**  
Quality Assurance/Quality Control

**T-N-T Landfarm**

Project: Soils  
Matrix: Soil  
Condition: Intact/Cool

Date Reported: 09/21/94  
Date Sampled: 09/05/94  
Date Received: 09/06/94  
Date Extracted: 09/13/94  
Date Analyzed: 09/13/94

**Duplicate Analysis**

Lab ID	Sample Result	Duplicate Result	Units	% Difference
G01474	68	72	ppm	5.6%

**Matrix Spike Analysis**

Lab ID	Sample Result	Spike Result	Spike Added	% Recovery
G01465	8.7	16.9	10	82.0%

**Method Blank Analysis**

Lab ID	Result	Detection Limit
MB	ND	20

ND - Analyte not detected at stated detection level.

References:

**Method 418.1:** Petroleum Hydrocarbons, Total Recoverable, USEPA Chemical Analysis of Water and Waste, 1978.

**Method 3510:** Separatory Funnel Liquid - Liquid Extraction, USEPA SW-846, Test Methods for Evaluating Solid Waste, Rev. 1, July, 1992.

Analyst: Anna Schaefer

Reviewed: AR

2506 W. Main Street  
Farmington, New Mexico 87401

**TOTAL PETROLEUM HYDROCARBONS**  
Quality Assurance/Quality Control

**T-N-T Landfarm**

Project: Soils  
Matrix: Soil  
Condition: Intact/Cool

Date Reported: 09/21/94  
Date Sampled: 09/05/94  
Date Received: 09/06/94  
Date Extracted: 09/14/94  
Date Analyzed: 09/16/94

**Duplicate Analysis**

Lab ID	Sample Result	Duplicate Result	Units	% Difference
G01484	170	180	ppm	1.6%

**Matrix Spike Analysis**

Lab ID	Sample Result	Spike Result	Spike Added	% Recovery
G01475	3.8	15	10	112.0%

**Method Blank Analysis**

Lab ID	Result	Detection Limit
MB	ND	20

ND - Analyte not detected at stated detection level.

References:

**Method 418.1:** Petroleum Hydrocarbons, Total Recoverable, USEPA Chemical Analysis of Water and Waste, 1978.

**Method 3510:** Separatory Funnel Liquid - Liquid Extraction, USEPA SW-846, Test Methods for Evaluating Solid Waste, Rev. 1, July, 1992.

Analyst: Anna Schaefer

Reviewed: WR

### VOLATILE AROMATIC HYDROCARBONS

#### Duplicate Analysis

Lab ID: G01455  
Sample Matrix: Soil  
Condition: Cool/Intact

Report Date: 09/21/94  
Date Sampled: 09/05/94  
Date Received: 09/06/94  
Date Extracted: 09/06/94  
Date Analyzed: 09/08/94

Target Analyte	Duplicate Concentration (ppb)	Original Concentration (ppb)	% Difference
Benzene	ND	ND	NA
Toluene	ND	ND	NA
Ethylbenzene	ND	ND	NA
m,p-Xylenes	ND	ND	NE
o-Xylene	ND	ND	NE

ND - Analyte not detected at the stated detection limit.  
NA - Not applicable or not calculated.  
NE - Duplicate acceptance range not established by the EPA.

**Quality Control:** Surrogate                      Percent Recovery                      Acceptance Limits  
Bromofluorobenzene                      106.7                      74 -121%

**Reference:** Method 5030, Purge and Trap; Method 8020, Aromatic Volatile Organics; Test Methods for Evaluating Solid Wastes, SW-846, United States Environmental Protection Agency, September 1986.

**Comments:**

  
Analyst

  
Review

**VOLATILE AROMATIC HYDROCARBONS**

Duplicate Analysis

Lab ID: G01465  
Sample Matrix: Soil  
Condition: Cool/Intact

Report Date: 09/21/94  
Date Sampled: 09/05/94  
Date Received: 09/06/94  
Date Extracted: 09/09/94  
Date Analyzed: 09/12/94

Target Analyte	Duplicate Concentration (ppb)	Original Concentration (ppb)	% Difference
Benzene	37	36	2.7
Toluene	130	120	8.0
Ethylbenzene	30	29	3.4
m,p-Xylenes	200	190	NE
o-Xylene	67	62	NE

ND - Analyte not detected at the stated detection limit.  
NA - Not applicable or not calculated.  
NE - Duplicate acceptance range not established by the EPA.

**Quality Control:** Surrogate                      Percent Recovery                      Acceptance Limits  
Bromofluorobenzene                      105.3                      74 -121%

**Reference:** Method 5030, Purge and Trap; Method 8020, Aromatic Volatile Organics; Test Methods for Evaluating Solid Wastes, SW-846, United States Environmental Protection Agency, September 1986.

**Comments:**

*Anna Schaefer*  
Analyst

*WR*  
Review





**VOLATILE AROMATIC HYDROCARBONS**

**Matrix Spike Analysis**

Lab ID: G01470  
Sample Matrix: Soil  
Condition: Cool/Intact

Report Date: 09/21/94  
Date Sampled: 09/05/94  
Date Received: 09/06/94  
Date Extracted: 09/12/94  
Date Analyzed: 09/13/94

Target Analyte	Spiked Sample Result in ng	Sample result in ng	Spike Added (ng)	% Recovery	Acceptance Limits (%)
Benzene	48	1.2	45	103.8%	39-150
Toluene	51	4.7	45	103.1%	32-160
Ethylbenzene	48	11.0	45	103.7%	46-148
m,p-Xylenes	98	6.6	90	102.1%	NE
o-Xylene	49	2.4	45	102.6%	NE

ND - Analyte not detected at the stated detection limit.  
NA - Not applicable or not calculated.  
NE - Spike acceptance range not established by the EPA.

<b>Quality Control:</b> <u>Surrogate</u>	<u>Percent Recovery</u>	<u>Acceptance Limits</u>
Bromofluorobenzene	99.4%	74 -121%

**Reference:** Method 5030, Purge and Trap; Method 8020, Aromatic Volatile Organics; Test Methods for Evaluating Solid Wastes, SW-846, United States Environmental Protection Agency, September 1986.

**Comments:**

Anna Schaefer  
Analyst

WR  
Review

### VOLATILE AROMATIC HYDROCARBONS

#### Matrix Spike Analysis

Lab ID: G01480  
Sample Matrix: Soil  
Condition: Cool/Intact

Report Date: 09/21/94  
Date Sampled: 09/05/94  
Date Received: 09/06/94  
Date Extracted: 09/13/94  
Date Analyzed: 09/14/94

Target Analyte	Spiked Sample Result in ng	Sample result in ng	Spike Added (ng)	% Recovery	Acceptance Limits (%)
Benzene	48	1.5	45	103.1%	39-150
Toluene	49	9.8	45	86.2%	32-160
Ethylbenzene	46	2.7	45	95.6%	46-148
m,p-Xylenes	93	17	90	85.3%	NE
o-Xylene	47	6.1	45	90.4%	NE

ND - Analyte not detected at the stated detection limit.  
NA - Not applicable or not calculated.  
NE - Spike acceptance range not established by the EPA.

Quality Control: Surrogate                      Percent Recovery                      Acceptance Limits  
Bromofluorobenzene                      104.2%                      74 -121%

Reference: Method 5030, Purge and Trap; Method 8020, Aromatic Volatile Organics; Test Methods for Evaluating Solid Wastes, SW-846, United States Environmental Protection Agency, September 1986.

Comments:

  
Analyst

  
Review

### VOLATILE AROMATIC HYDROCARBONS QUALITY CONTROL REPORT

#### Method Blank Analysis

#### T-N-T Landfarm

Sample Matrix: Water  
Lab ID: Method Blank

Report Date: 09/21/94  
Date Analyzed: 09/08/94

Target Analyte	Concentration (ppb)	Detection Limit (ppb)
Benzene	ND	0.2
Toluene	ND	0.2
Ethylbenzene	ND	0.2
m,p-Xylenes	ND	0.2
o-Xylene	ND	0.2

ND - Analyte not detected at the stated detection limit.

<b>Quality Control:</b>	<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Acceptance Limits</u>
	Bromofluorobenzene	105.0	74-121%

**Reference:** Method 5030, Purge and Trap; Method 8020, Aromatic Volatile Organics; Test Methods for Evaluating Solid Wastes, SW-846, United States Environmental Protection Agency, September 1986.

**Comments:**

*Anna Schaefer*  
Analyst

*Justin Lee*  
Review



**VOLATILE AROMATIC HYDROCARBONS  
QUALITY CONTROL REPORT**

**Method Blank Analysis**

**T-N-T Landfarm**

Sample Matrix: Water  
Lab ID: Method Blank

Report Date: 09/21/94  
Date Analyzed: 09/13/94

Target Analyte	Concentration (ppb)	Detection Limit (ppb)
Benzene	ND	0.2
Toluene	ND	0.2
Ethylbenzene	ND	0.2
m,p-Xylenes	ND	0.2
o-Xylene	ND	0.2

ND - Analyte not detected at the stated detection limit.

**Quality Control:**      Surrogate                      Percent Recovery                      Acceptance Limits  
Bromofluorobenzene                      102.4                      74-121%

**Reference:**      Method 5030, Purge and Trap; Method 8020, Aromatic Volatile Organics; Test Methods for Evaluating Solid Wastes, SW-846, United States Environmental Protection Agency, September 1986.

**Comments:**

*Anna Schaefer*  
Analyst

*Austin Coakley*  
Review

**VOLATILE AROMATIC HYDROCARBONS**

**T-N-T Landfarm**

Project ID:	Soils	Report Date:	09/21/94
Sample ID:	Cell 1-A, B, C 98 #11	Date Sampled:	09/05/94
Lab ID:	G01456	Date Received:	09/06/94
Sample Matrix:	Soil	Date Extracted:	09/06/94
Condition:	Cool/Intact	Date Analyzed:	09/08/94

Target Analyte	Concentration (ppb)	Detection Limit (ppb)
Benzene	22	10.0
Toluene	84	10.0
Ethylbenzene	31	10.0
m,p-Xylenes	140	10.0
o-Xylene	46	10.0

ND - Analyte not detected at the stated detection limit.

<b>Quality Control:</b>	<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Acceptance Limits</u>
	Bromofluorobenzene	104.2	74 -121%

**Reference:** Method 5030, Purge and Trap; Method 8020, Aromatic Volatile Organics; Test Methods for Evaluating Solid Wastes, SW-846, United States Environmental Protection Agency, September 1986.

**Comments:**

*Anna Schauer*  
Analyst

*[Signature]*  
Review

2506 W. Main Street  
Farmington, New Mexico 87401

### VOLATILE AROMATIC HYDROCARBONS

#### T-N-T Landfarm

Project ID:	Soils	Report Date:	09/21/94
Sample ID:	Cell 1-D, E& F, G 98 #11	Date Sampled:	09/05/94
Lab ID:	G01457	Date Received:	09/06/94
Sample Matrix:	Soil	Date Extracted:	09/06/94
Condition:	Cool/Intact	Date Analyzed:	09/08/94

Target Analyte	Concentration (ppb)	Detection Limit (ppb)
Benzene	57	10.0
Toluene	330	10.0
Ethylbenzene	79	10.0
m,p-Xylenes	360	10.0
o-Xylene	140	10.0

ND - Analyte not detected at the stated detection limit.

<b>Quality Control:</b>	<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Acceptance Limits</u>
	Bromofluorobenzene	87.7	74 -121%

**Reference:** Method 5030, Purge and Trap; Method 8020, Aromatic Volatile Organics; Test Methods for Evaluating Solid Wastes, SW-846, United States Environmental Protection Agency, September 1986.

**Comments:**

Anna Schaefer  
Analyst

          
Review

**VOLATILE AROMATIC HYDROCARBONS**

**T-N-T Landfarm**

Project ID:	Soils	Report Date:	09/21/94
Sample ID:	Cell 1-H, I, J 96-3A	Date Sampled:	09/05/94
Lab ID:	G01458	Date Received:	09/06/94
Sample Matrix:	Soil	Date Extracted:	09/06/94
Condition:	Cool/Intact	Date Analyzed:	09/08/94

Target Analyte	Concentration (ppb)	Detection Limit (ppb)
Benzene	12	10.0
Toluene	75	10.0
Ethylbenzene	27	10.0
m,p-Xylenes	130	10.0
o-Xylene	37	10.0

ND - Analyte not detected at the stated detection limit.

<b>Quality Control:</b>	<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Acceptance Limits</u>
	Bromofluorobenzene	85.9	74 -121%

**Reference:** Method 5030, Purge and Trap; Method 8020, Aromatic Volatile Organics; Test Methods for Evaluating Solid Wastes, SW-846, United States Environmental Protection Agency, September 1986.

**Comments:**

Anna Schaefer  
Analyst

WR  
Review

**VOLATILE AROMATIC HYDROCARBONS**

**T-N-T Landfarm**

Project ID:	Soils	Report Date:	09/21/94
Sample ID:	Cell 1-K, L, M 96-3A	Date Sampled:	09/05/94
Lab ID:	G01459	Date Received:	09/06/94
Sample Matrix:	Soil	Date Extracted:	09/06/94
Condition:	Cool/Intact	Date Analyzed:	09/08/94

Target Analyte	Concentration (ppb)	Detection Limit (ppb)
Benzene	25	9.8
Toluene	100	9.8
Ethylbenzene	44	9.8
m,p-Xylenes	190	9.8
o-Xylene	64	9.8

ND - Analyte not detected at the stated detection limit.

<b>Quality Control:</b>	<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Acceptance Limits</u>
	Bromofluorobenzene	90.1	74 -121%

**Reference:** Method 5030, Purge and Trap; Method 8020, Aromatic Volatile Organics; Test Methods for Evaluating Solid Wastes, SW-846, United States Environmental Protection Agency, September 1986.

**Comments:**

Anna Schauer  
Analyst

LR  
Review

**VOLATILE AROMATIC HYDROCARBONS**

**T-N-T Landfarm**

Project ID:	Soils	Report Date:	09/21/94
Sample ID:	Cell 1-N, O, P 96-3A	Date Sampled:	09/05/94
Lab ID:	G01460	Date Received:	09/06/94
Sample Matrix:	Soil	Date Extracted:	09/06/94
Condition:	Cool/Intact	Date Analyzed:	09/09/94

Target Analyte	Concentration (ppb)	Detection Limit (ppb)
Benzene	67	9.9
Toluene	140	9.9
Ethylbenzene	33	9.9
m,p-Xylenes	180	9.9
o-Xylene	59	9.9

ND - Analyte not detected at the stated detection limit.

<b>Quality Control:</b>	<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Acceptance Limits</u>
	Bromofluorobenzene	101.4	74 -121%

**Reference:** Method 5030, Purge and Trap; Method 8020, Aromatic Volatile Organics; Test Methods for Evaluating Solid Wastes, SW-846, United States Environmental Protection Agency, September 1986.

**Comments:**

*Anna Schaefer*  
Analyst

*WR*  
Review

**VOLATILE AROMATIC HYDROCARBONS**

T-N-T Landfarm

Project ID:	Soils	Report Date:	09/21/94
Sample ID:	Cell 1-Q, R, S 96-3A	Date Sampled:	09/05/94
Lab ID:	G01461	Date Received:	09/06/94
Sample Matrix:	Soil	Date Extracted:	09/09/94
Condition:	Cool/Intact	Date Analyzed:	09/09/94

Target Analyte	Concentration (ppb)	Detection Limit (ppb)
Benzene	10	9.7
Toluene	74	9.7
Ethylbenzene	19	9.7
m,p-Xylenes	110	9.7
o-Xylene	45	9.7

ND - Analyte not detected at the stated detection limit.

<b>Quality Control:</b>	<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Acceptance Limits</u>
	Bromofluorobenzene	98.7	74 -121%

**Reference:** Method 5030, Purge and Trap; Method 8020, Aromatic Volatile Organics; Test Methods for Evaluating Solid Wastes, SW-846, United States Environmental Protection Agency, September 1986.

**Comments:**

Anna Schaefer  
Analyst

LR  
Review

**VOLATILE AROMATIC HYDROCARBONS**

**T-N-T Landfarm**

Project ID:	Soils	Report Date:	09/21/94
Sample ID:	Cell 2-M, A 98 #5A	Date Sampled:	09/05/94
Lab ID:	G01462	Date Received:	09/06/94
Sample Matrix:	Soil	Date Extracted:	09/09/94
Condition:	Cool/Intact	Date Analyzed:	09/12/94

Target Analyte	Concentration (ppb)	Detection Limit (ppb)
Benzene	61	10.0
Toluene	250	10.0
Ethylbenzene	48	10.0
m,p-Xylenes	300	10.0
o-Xylene	110	10.0

ND - Analyte not detected at the stated detection limit.

<b>Quality Control:</b>	<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Acceptance Limits</u>
	Bromofluorobenzene	104.4	74 -121%

**Reference:** Method 5030, Purge and Trap; Method 8020, Aromatic Volatile Organics; Test Methods for Evaluating Solid Wastes, SW-846, United States Environmental Protection Agency, September 1986.

**Comments:**

*Anna Schaefer*  
Analyst

*WR*  
\_\_\_\_\_  
Review

**VOLATILE AROMATIC HYDROCARBONS**

T-N-T Landfarm

Project ID:	Soils	Report Date:	09/21/94
Sample ID:	Cell 1-O,P,Q 98 #10	Date Sampled:	09/05/94
Lab ID:	G01463	Date Received:	09/06/94
Sample Matrix:	Soil	Date Extracted:	09/09/94
Condition:	Cool/Intact	Date Analyzed:	09/12/94

Target Analyte	Concentration (ppb)	Detection Limit (ppb)
Benzene	52	9.7
Toluene	160	9.7
Ethylbenzene	47	9.7
m,p-Xylenes	260	9.7
o-Xylene	85	9.7

ND - Analyte not detected at the stated detection limit.

<b>Quality Control:</b>	<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Acceptance Limits</u>
	Bromofluorobenzene	100.1	74 -121%

**Reference:** Method 5030, Purge and Trap; Method 8020, Aromatic Volatile Organics; Test Methods for Evaluating Solid Wastes, SW-846, United States Environmental Protection Agency, September 1986.

**Comments:**

Anna Schaefer  
Analyst

ic  
Review

2506 W. Main Street  
Farmington, New Mexico 87401

### VOLATILE AROMATIC HYDROCARBONS

#### T-N-T Landfarm

Project ID:	Soils	Report Date:	09/21/94
Sample ID:	Cell 1-A,D,J 98 #10	Date Sampled:	09/05/94
Lab ID:	G01464	Date Received:	09/06/94
Sample Matrix:	Soil	Date Extracted:	09/09/94
Condition:	Cool/Intact	Date Analyzed:	09/12/94

Target Analyte	Concentration (ppb)	Detection Limit (ppb)
Benzene	55	9.8
Toluene	180	9.8
Ethylbenzene	58	9.8
m,p-Xylenes	300	9.8
o-Xylene	90	9.8

ND - Analyte not detected at the stated detection limit.

<b>Quality Control:</b>	<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Acceptance Limits</u>
	Bromofluorobenzene	90.7	74 -121%

**Reference:** Method 5030, Purge and Trap; Method 8020, Aromatic Volatile Organics; Test Methods for Evaluating Solid Wastes, SW-846, United States Environmental Protection Agency, September 1986.

**Comments:**

Anna Schauer  
Analyst

LeR  
Review

2506 W. Main Street  
Farmington, New Mexico 87401

### VOLATILE AROMATIC HYDROCARBONS

#### T-N-T Landfarm

Project ID:	Soils	Report Date:	09/21/94
Sample ID:	Cell 1-R & 5 98 #10	Date Sampled:	09/05/94
Lab ID:	G01465	Date Received:	09/06/94
Sample Matrix:	Soil	Date Extracted:	09/09/94
Condition:	Cool/Intact	Date Analyzed:	09/12/94

Target Analyte	Concentration (ppb)	Detection Limit (ppb)
Benzene	36	9.7
Toluene	120	9.7
Ethylbenzene	29	9.7
m,p-Xylenes	190	9.7
o-Xylene	62	9.7

ND - Analyte not detected at the stated detection limit.

<b>Quality Control:</b>	<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Acceptance Limits</u>
	Bromofluorobenzene	92.9	74 -121%

**Reference:** Method 5030, Purge and Trap; Method 8020, Aromatic Volatile Organics; Test Methods for Evaluating Solid Wastes, SW-846, United States Environmental Protection Agency, September 1986.

**Comments:**

Emma Schaefer  
Analyst

UR  
Review

### VOLATILE AROMATIC HYDROCARBONS

#### T-N-T Landfarm

Project ID:	Soils	Report Date:	09/21/94
Sample ID:	Cell 1-G 96-3A	Date Sampled:	09/05/94
Lab ID:	G01466	Date Received:	09/06/94
Sample Matrix:	Soil	Date Extracted:	09/09/94
Condition:	Cool/Intact	Date Analyzed:	09/12/94

Target Analyte	Concentration (ppb)	Detection Limit (ppb)
Benzene	32	9.6
Toluene	130	9.6
Ethylbenzene	37	9.6
m,p-Xylenes	230	9.6
o-Xylene	64	9.6

ND - Analyte not detected at the stated detection limit.

<b>Quality Control:</b>	<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Acceptance Limits</u>
	Bromofluorobenzene	93.9	74 -121%

**Reference:** Method 5030, Purge and Trap; Method 8020, Aromatic Volatile Organics; Test Methods for Evaluating Solid Wastes, SW-846, United States Environmental Protection Agency, September 1986.

**Comments:**

  
Analyst

  
Review

**VOLATILE AROMATIC HYDROCARBONS**

**T-N-T Landfarm**

Project ID:	Soils	Report Date:	09/21/94
Sample ID:	Cell 2-N 98 #10	Date Sampled:	09/05/94
Lab ID:	G01467	Date Received:	09/06/94
Sample Matrix:	Soil	Date Extracted:	09/09/94
Condition:	Cool/Intact	Date Analyzed:	09/12/94

Target Analyte	Concentration (ppb)	Detection Limit (ppb)
Benzene	ND	9.5
Toluene	46	9.5
Ethylbenzene	12	9.5
m,p-Xylenes	75	9.5
o-Xylene	28	9.5

ND - Analyte not detected at the stated detection limit.

<b>Quality Control:</b>	<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Acceptance Limits</u>
	Bromofluorobenzene	93.7	74 -121%

**Reference:** Method 5030, Purge and Trap; Method 8020, Aromatic Volatile Organics; Test Methods for Evaluating Solid Wastes, SW-846, United States Environmental Protection Agency, September 1986.

**Comments:**

Anna Schaeres  
Analyst

WR  
Review

2506 W. Main Street  
Farmington, New Mexico 87401

### VOLATILE AROMATIC HYDROCARBONS

#### T-N-T Landfarm

Project ID:	Soils	Report Date:	09/21/94
Sample ID:	Cell 2-A, C, & D 98 #10	Date Sampled:	09/05/94
Lab ID:	G01468	Date Received:	09/06/94
Sample Matrix:	Soil	Date Extracted:	09/09/94
Condition:	Cool/Intact	Date Analyzed:	09/12/94

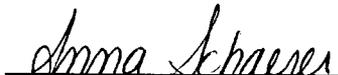
Target Analyte	Concentration (ppb)	Detection Limit (ppb)
Benzene	15	9.4
Toluene	84	9.4
Ethylbenzene	24	9.4
m,p-Xylenes	180	9.4
o-Xylene	61	9.4

ND - Analyte not detected at the stated detection limit.

<b>Quality Control:</b>	<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Acceptance Limits</u>
	Bromofluorobenzene	91.5	74 -121%

**Reference:** Method 5030, Purge and Trap; Method 8020, Aromatic Volatile Organics; Test Methods for Evaluating Solid Wastes, SW-846, United States Environmental Protection Agency, September 1986.

**Comments:**

  
Analyst

  
Review

2506 W. Main Street  
Farmington, New Mexico 87401

### VOLATILE AROMATIC HYDROCARBONS

#### T-N-T Landfarm

Project ID:	Soils	Report Date:	09/21/94
Sample ID:	Cell 2-G, H, I 98 #5A	Date Sampled:	09/05/94
Lab ID:	G01469	Date Received:	09/06/94
Sample Matrix:	Soil	Date Extracted:	09/09/94
Condition:	Cool/Intact	Date Analyzed:	09/12/94

Target Analyte	Concentration (ppb)	Detection Limit (ppb)
Benzene	ND	9.7
Toluene	98	9.7
Ethylbenzene	22	9.7
m,p-Xylenes	150	9.7
o-Xylene	53	9.7

ND - Analyte not detected at the stated detection limit.

<b>Quality Control:</b>	<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Acceptance Limits</u>
	Bromofluorobenzene	92.0	74 -121%

**Reference:** Method 5030, Purge and Trap; Method 8020, Aromatic Volatile Organics; Test Methods for Evaluating Solid Wastes, SW-846, United States Environmental Protection Agency, September 1986.

**Comments:**

Anna Schaefer  
Analyst

LR  
Review

**VOLATILE AROMATIC HYDROCARBONS**

T-N-T Landfarm

Project ID:	Soils	Report Date:	09/21/94
Sample ID:	Cell 2-B, E, F 98 #5A	Date Sampled:	09/05/94
Lab ID:	G01470	Date Received:	09/06/94
Sample Matrix:	Soil	Date Extracted:	09/12/94
Condition:	Cool/Intact	Date Analyzed:	09/13/94

Target Analyte	Concentration (ppb)	Detection Limit (ppb)
Benzene	11	9.9
Toluene	47	9.9
Ethylbenzene	ND	9.9
m,p-Xylenes	65	9.9
o-Xylene	24	9.9

ND - Analyte not detected at the stated detection limit.

<b>Quality Control:</b>	<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Acceptance Limits</u>
	Bromofluorobenzene	103.2	74 -121%

**Reference:** Method 5030, Purge and Trap; Method 8020, Aromatic Volatile Organics; Test Methods for Evaluating Solid Wastes, SW-846, United States Environmental Protection Agency, September 1986.

**Comments:**

Anna Schaefer  
Analyst

llr  
Review

**VOLATILE AROMATIC HYDROCARBONS**

**T-N-T Landfarm**

Project ID:	Soils	Report Date:	09/21/94
Sample ID:	Cell 2-E, I, & J 98 #10A	Date Sampled:	09/05/94
Lab ID:	G01471	Date Received:	09/06/94
Sample Matrix:	Soil	Date Extracted:	09/12/94
Condition:	Cool/Intact	Date Analyzed:	09/12/94

Target Analyte	Concentration (ppb)	Detection Limit (ppb)
Benzene	ND	9.5
Toluene	46	9.5
Ethylbenzene	112	9.5
m,p-Xylenes	83	9.5
o-Xylene	29	9.5

ND - Analyte not detected at the stated detection limit.

<b>Quality Control:</b>	<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Acceptance Limits</u>
	Bromofluorobenzene	87.3	74 -121%

**Reference:** Method 5030, Purge and Trap; Method 8020, Aromatic Volatile Organics; Test Methods for Evaluating Solid Wastes, SW-846, United States Environmental Protection Agency, September 1986.

**Comments:**

Anna Schaerer  
Analyst

HR  
Review

2506 W. Main Street  
Farmington, New Mexico 87401

### VOLATILE AROMATIC HYDROCARBONS

#### T-N-T Landfarm

Project ID:	Soils	Report Date:	09/21/94
Sample ID:	Cell 2-K, L & N 98 #10A	Date Sampled:	09/05/94
Lab ID:	G01472	Date Received:	09/06/94
Sample Matrix:	Soil	Date Extracted:	09/12/94
Condition:	Cool/Intact	Date Analyzed:	09/13/94

Target Analyte	Concentration (ppb)	Detection Limit (ppb)
Benzene	ND	9.7
Toluene	56	9.7
Ethylbenzene	16	9.7
m,p-Xylenes	110	9.7
o-Xylene	36	9.7

ND - Analyte not detected at the stated detection limit.

<b>Quality Control:</b>	<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Acceptance Limits</u>
	Bromofluorobenzene	94.7	74 -121%

**Reference:** Method 5030, Purge and Trap; Method 8020, Aromatic Volatile Organics; Test Methods for Evaluating Solid Wastes, SW-846, United States Environmental Protection Agency, September 1986.

**Comments:**

  
Analyst

  
Review

**VOLATILE AROMATIC HYDROCARBONS**

**T-N-T Landfarm**

Project ID:	Soils	Report Date:	09/21/94
Sample ID:	Cell 2-O & Q 98 #10A	Date Sampled:	09/05/94
Lab ID:	G01473	Date Received:	09/06/94
Sample Matrix:	Soil	Date Extracted:	09/12/94
Condition:	Cool/Intact	Date Analyzed:	09/13/94

Target Analyte	Concentration (ppb)	Detection Limit (ppb)
Benzene	ND	9.6
Toluene	17	9.6
Ethylbenzene	ND	9.6
m,p-Xylenes	27	9.6
o-Xylene	ND	9.6

ND - Analyte not detected at the stated detection limit.

<b>Quality Control:</b>	<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Acceptance Limits</u>
	Bromofluorobenzene	93.4	74 -121%

**Reference:** Method 5030, Purge and Trap; Method 8020, Aromatic Volatile Organics; Test Methods for Evaluating Solid Wastes, SW-846, United States Environmental Protection Agency, September 1986.

**Comments:**

*Anna Schaefer*  
Analyst

*LO*  
\_\_\_\_\_  
Review

**VOLATILE AROMATIC HYDROCARBONS**

**T-N-T Landfarm**

Project ID:	Soils	Report Date:	09/21/94
Sample ID:	Cell 2-P 98 #5A	Date Sampled:	09/05/94
Lab ID:	G01474	Date Received:	09/06/94
Sample Matrix:	Soil	Date Extracted:	09/12/94
Condition:	Cool/Intact	Date Analyzed:	09/13/94

Target Analyte	Concentration (ppb)	Detection Limit (ppb)
Benzene	ND	9.8
Toluene	48	9.8
Ethylbenzene	13	9.8
m,p-Xylenes	89	9.8
o-Xylene	28	9.8

ND - Analyte not detected at the stated detection limit.

<b>Quality Control:</b>	<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Acceptance Limits</u>
	Bromofluorobenzene	105.2	74 -121%

**Reference:** Method 5030, Purge and Trap; Method 8020, Aromatic Volatile Organics; Test Methods for Evaluating Solid Wastes, SW-846, United States Environmental Protection Agency, September 1986.

**Comments:**

Anna Schaefer  
Analyst

MR  
Review

**VOLATILE AROMATIC HYDROCARBONS**

**T-N-T Landfarm**

Project ID:	Soils	Report Date:	09/21/94
Sample ID:	Cell 4-A, B & C, D 98 #10A	Date Sampled:	09/05/94
Lab ID:	G01475	Date Received:	09/06/94
Sample Matrix:	Soil	Date Extracted:	09/12/94
Condition:	Cool/Intact	Date Analyzed:	09/13/94

Target Analyte	Concentration (ppb)	Detection Limit (ppb)
Benzene	38	9.5
Toluene	160	9.5
Ethylbenzene	51	9.5
m,p-Xylenes	280	9.5
o-Xylene	110	9.5

ND - Analyte not detected at the stated detection limit.

<b>Quality Control:</b>	<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Acceptance Limits</u>
	Bromofluorobenzene	104.2	74 -121%

**Reference:** Method 5030, Purge and Trap; Method 8020, Aromatic Volatile Organics; Test Methods for Evaluating Solid Wastes, SW-846, United States Environmental Protection Agency, September 1986.

**Comments:**

Emma Schaefer  
Analyst

WF  
Review

**VOLATILE AROMATIC HYDROCARBONS**

**T-N-T Landfarm**

Project ID:	Soils	Report Date:	09/21/94
Sample ID:	Cell 4-G, H, I & K 98 #12	Date Sampled:	09/05/94
Lab ID:	G01476	Date Received:	09/06/94
Sample Matrix:	Soil	Date Extracted:	09/13/94
Condition:	Cool/Intact	Date Analyzed:	09/13/94

Target Analyte	Concentration (ppb)	Detection Limit (ppb)
Benzene	ND	10.0
Toluene	76	10.0
Ethylbenzene	23	10.0
m,p-Xylenes	130	10.0
o-Xylene	44	10.0

ND - Analyte not detected at the stated detection limit.

<b>Quality Control:</b>	<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Acceptance Limits</u>
	Bromofluorobenzene	105.7	74 -121%

**Reference:** Method 5030, Purge and Trap; Method 8020, Aromatic Volatile Organics; Test Methods for Evaluating Solid Wastes, SW-846, United States Environmental Protection Agency, September 1986.

**Comments:**

*Anna Schaefer*  
Analyst

*102*  
\_\_\_\_\_  
Review

**VOLATILE AROMATIC HYDROCARBONS**

T-N-T Landfarm

Project ID:	Soils	Report Date:	09/21/94
Sample ID:	Cell 4-D, E, & F 98 #12	Date Sampled:	09/05/94
Lab ID:	G01477	Date Received:	09/06/94
Sample Matrix:	Soil	Date Extracted:	09/13/94
Condition:	Cool/Intact	Date Analyzed:	09/13/94

Target Analyte	Concentration (ppb)	Detection Limit (ppb)
Benzene	ND	8.9
Toluene	51	8.9
Ethylbenzene	13	8.9
m,p-Xylenes	88	8.9
o-Xylene	27	8.9

ND - Analyte not detected at the stated detection limit.

<b>Quality Control:</b>	<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Acceptance Limits</u>
	Bromofluorobenzene	117.8	74 -121%

**Reference:** Method 5030, Purge and Trap; Method 8020, Aromatic Volatile Organics; Test Methods for Evaluating Solid Wastes, SW-846, United States Environmental Protection Agency, September 1986.

**Comments:**

*Anna Schaefer*  
Analyst

*WR*  
Review

## VOLATILE AROMATIC HYDROCARBONS

T-N-T Landfarm

Project ID:	Soils	Report Date:	09/21/94
Sample ID:	Cell 4-L, M 98 #11A	Date Sampled:	09/05/94
Lab ID:	G01478	Date Received:	09/06/94
Sample Matrix:	Soil	Date Extracted:	09/13/94
Condition:	Cool/Intact	Date Analyzed:	09/13/94

Target Analyte	Concentration (ppb)	Detection Limit (ppb)
Benzene	19	10.0
Toluene	74	10.0
Ethylbenzene	24	10.0
m,p-Xylenes	120	10.0
o-Xylene	40	10.0

ND - Analyte not detected at the stated detection limit.

<b>Quality Control:</b>	<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Acceptance Limits</u>
	Bromofluorobenzene	94.5	74 -121%

**Reference:** Method 5030, Purge and Trap; Method 8020, Aromatic Volatile Organics; Test Methods for Evaluating Solid Wastes, SW-846, United States Environmental Protection Agency, September 1986.

**Comments:**

  
Analyst

  
Review

**VOLATILE AROMATIC HYDROCARBONS**

**T-N-T Landfarm**

Project ID:	Soils	Report Date:	09/21/94
Sample ID:	Cell 4-E, J & K 98 #11A	Date Sampled:	09/05/94
Lab ID:	G01479	Date Received:	09/06/94
Sample Matrix:	Soil	Date Extracted:	09/13/94
Condition:	Cool/Intact	Date Analyzed:	09/14/94

Target Analyte	Concentration (ppb)	Detection Limit (ppb)
Benzene	26	10.0
Toluene	120	10.0
Ethylbenzene	35	10.0
m,p-Xylenes	180	10.0
o-Xylene	71	10.0

ND - Analyte not detected at the stated detection limit.

<b>Quality Control:</b>	<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Acceptance Limits</u>
	Bromofluorobenzene	105.2	74 -121%

**Reference:** Method 5030, Purge and Trap; Method 8020, Aromatic Volatile Organics; Test Methods for Evaluating Solid Wastes, SW-846, United States Environmental Protection Agency, September 1986.

**Comments:**

*Anna Schaefer*  
Analyst

*WR*  
Review

**VOLATILE AROMATIC HYDROCARBONS**

**T-N-T Landfarm**

Project ID:	Soils	Report Date:	09/21/94
Sample ID:	Cell 3-C 98 #5A	Date Sampled:	09/05/94
Lab ID:	G01480	Date Received:	09/06/94
Sample Matrix:	Soil	Date Extracted:	09/13/94
Condition:	Cool/Intact	Date Analyzed:	09/14/94

Target Analyte	Concentration (ppb)	Detection Limit (ppb)
Benzene	15	9.9
Toluene	97	9.9
Ethylbenzene	27	9.9
m,p-Xylenes	160	9.9
o-Xylene	61	9.9

ND - Analyte not detected at the stated detection limit.

<b>Quality Control:</b>	<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Acceptance Limits</u>
	Bromofluorobenzene	108.5	74 -121%

**Reference:** Method 5030, Purge and Trap; Method 8020, Aromatic Volatile Organics; Test Methods for Evaluating Solid Wastes, SW-846, United States Environmental Protection Agency, September 1986.

**Comments:**

Anna Schaerer  
Analyst

LR  
Review

**VOLATILE AROMATIC HYDROCARBONS**

**T-N-T Landfarm**

Project ID:	Soils	Report Date:	09/21/94
Sample ID:	Cell 2-E & I 98 #10A	Date Sampled:	09/05/94
Lab ID:	G01481	Date Received:	09/06/94
Sample Matrix:	Soil	Date Extracted:	09/13/94
Condition:	Cool/Intact	Date Analyzed:	09/14/94

Target Analyte	Concentration (ppb)	Detection Limit (ppb)
Benzene	14	10.0
Toluene	60	10.0
Ethylbenzene	12	10.0
m,p-Xylenes	92	10.0
o-Xylene	32	10.0

ND - Analyte not detected at the stated detection limit.

<b>Quality Control:</b>	<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Acceptance Limits</u>
	Bromofluorobenzene	109.8	74 -121%

**Reference:** Method 5030, Purge and Trap; Method 8020, Aromatic Volatile Organics; Test Methods for Evaluating Solid Wastes, SW-846, United States Environmental Protection Agency, September 1986.

**Comments:**

*Anna Schuener*  
Analyst

*LR*  
\_\_\_\_\_  
Review

**VOLATILE AROMATIC HYDROCARBONS**

**T-N-T Landfarm**

Project ID:	Soils	Report Date:	09/21/94
Sample ID:	Cell 3-D 98 #10A	Date Sampled:	09/05/94
Lab ID:	G01482	Date Received:	09/06/94
Sample Matrix:	Soil	Date Extracted:	09/13/94
Condition:	Cool/Intact	Date Analyzed:	09/14/94

Target Analyte	Concentration (ppb)	Detection Limit (ppb)
Benzene	27	9.8
Toluene	100	9.8
Ethylbenzene	26	9.8
m,p-Xylenes	150	9.8
o-Xylene	57	9.8

ND - Analyte not detected at the stated detection limit.

<b>Quality Control:</b>	<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Acceptance Limits</u>
	Bromofluorobenzene	109.7	74 -121%

**Reference:** Method 5030, Purge and Trap; Method 8020, Aromatic Volatile Organics; Test Methods for Evaluating Solid Wastes, SW-846, United States Environmental Protection Agency, September 1986.

**Comments:**

*Anna Schaefer*  
Analyst

*WR*  
Review

2506 W. Main Street  
Farmington, New Mexico 87401

### VOLATILE AROMATIC HYDROCARBONS

#### T-N-T Landfarm

Project ID:	Soils	Report Date:	09/21/94
Sample ID:	Cell 3-E 98 #12	Date Sampled:	09/05/94
Lab ID:	G01483	Date Received:	09/06/94
Sample Matrix:	Soil	Date Extracted:	09/13/94
Condition:	Cool/Intact	Date Analyzed:	09/14/94

Target Analyte	Concentration (ppb)	Detection Limit (ppb)
Benzene	ND	10.0
Toluene	51	10.0
Ethylbenzene	15	10.0
m,p-Xylenes	76	10.0
o-Xylene	31	10.0

ND - Analyte not detected at the stated detection limit.

<b>Quality Control:</b>	<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Acceptance Limits</u>
	Bromofluorobenzene	103.1	74 -121%

**Reference:** Method 5030, Purge and Trap; Method 8020, Aromatic Volatile Organics; Test Methods for Evaluating Solid Wastes, SW-846, United States Environmental Protection Agency, September 1986.

**Comments:**

  
Analyst

  
Review

**VOLATILE AROMATIC HYDROCARBONS**

**T-N-T Landfarm**

Project ID:	Soils	Report Date:	09/21/94
Sample ID:	Cell 3-F 98 #11A	Date Sampled:	09/05/94
Lab ID:	G01484	Date Received:	09/06/94
Sample Matrix:	Soil	Date Extracted:	09/13/94
Condition:	Cool/Intact	Date Analyzed:	09/14/94

Target Analyte	Concentration (ppb)	Detection Limit (ppb)
Benzene	59	9.9
Toluene	130	9.9
Ethylbenzene	29	9.9
m,p-Xylenes	160	9.9
o-Xylene	63	9.9

ND - Analyte not detected at the stated detection limit.

<b>Quality Control:</b>	<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Acceptance Limits</u>
	Bromofluorobenzene	108.4	74 -121%

**Reference:** Method 5030, Purge and Trap; Method 8020, Aromatic Volatile Organics; Test Methods for Evaluating Solid Wastes, SW-846, United States Environmental Protection Agency, September 1986.

**Comments:**

*Anna Schaefer*  
Analyst

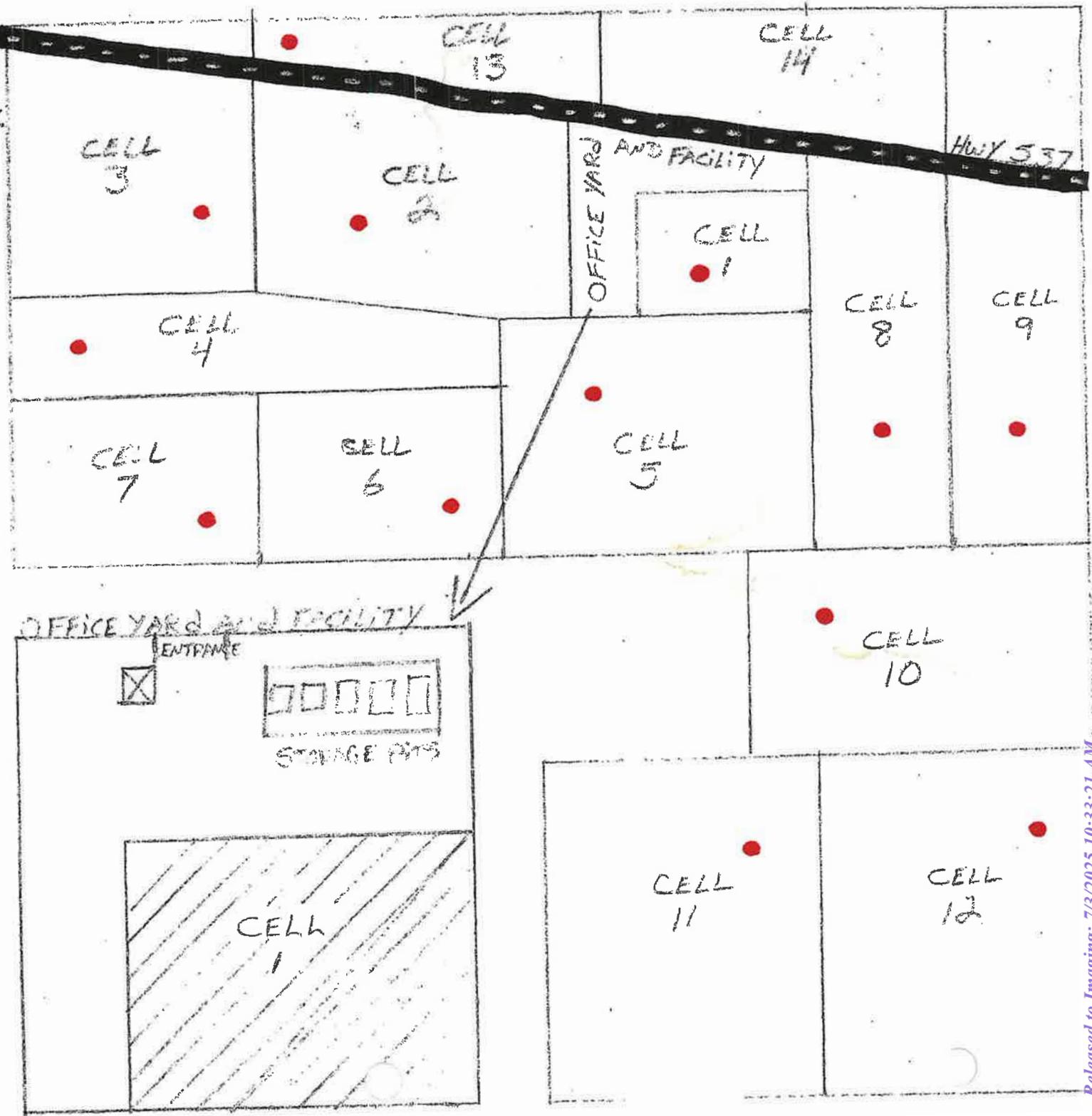
*LR*  
Review

HWY 537

TNT ENVIRONMENTAL INC  
70 OSITO RD  
LINDSEY WY AND BLDG

HAND FARM MAP  
PERMIT NO. 01-0008  
SEC. 548 TRSN R3W

**Vadoze**



DATE 2010



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

December 02, 2015

CRAIG SCHMITZ  
T-N-T ENVIRONMENTAL  
70 OJITO ROAD  
LINDRITH, NM 87029

RE: QUARTERLY VADOZE

Enclosed are the results of analyses for samples received by the laboratory on 11/06/15 10:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

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

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

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

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

Sincerely,

Celey D. Keene  
Lab Director/Quality Manager



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

**Analytical Results For:**

T-N-T ENVIRONMENTAL 70 OJITO ROAD LINDRITH NM, 87029	Project: QUARTERLY VADOZE Project Number: NONE GIVEN Project Manager: CRAIG SCHMITZ Fax To: (575) 774-9116	Reported: 02-Dec-15 13:11
--	---	------------------------------

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
CELL # 1	H502952-01	Soil	04-Nov-15 08:00	06-Nov-15 10:30
CELL # 2	H502952-02	Soil	04-Nov-15 08:30	06-Nov-15 10:30
CELL # 3	H502952-03	Soil	04-Nov-15 09:00	06-Nov-15 10:30
CELL # 4	H502952-04	Soil	04-Nov-15 09:30	06-Nov-15 10:30
CELL # 5	H502952-05	Soil	04-Nov-15 10:00	06-Nov-15 10:30
CELL # 6	H502952-06	Soil	04-Nov-15 10:30	06-Nov-15 10:30
CELL # 7	H502952-07	Soil	04-Nov-15 11:00	06-Nov-15 10:30
CELL # 8	H502952-08	Soil	04-Nov-15 11:30	06-Nov-15 10:30
CELL # 9	H502952-09	Soil	04-Nov-15 12:00	06-Nov-15 10:30
CELL # 10	H502952-10	Soil	04-Nov-15 13:30	06-Nov-15 10:30
CELL # 11	H502952-11	Soil	04-Nov-15 14:00	06-Nov-15 10:30
CELL # 12	H502952-12	Soil	04-Nov-15 14:30	06-Nov-15 10:30
CELL # 13	H502952-13	Soil	04-Nov-15 15:00	06-Nov-15 10:30

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable services. In no event shall Cardinal be liable for incidental or consequential damage 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 the services heretofore by Cardinal, regardless of whether our claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

T-N-T ENVIRONMENTAL 70 QJITO ROAD LINDRITH NM, 87029	Project: QUARTERLY VADOZE Project Number: NONE GIVEN Project Manager: CRAIG SCHMITZ Fax To: (575) 774-9116	Reported: 02-Dec-15 13:11
--	---	------------------------------

**CELL # 1  
H502952-01 (Soil)**

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

**Cardinal Laboratories**

**Inorganic Compounds**

Alkalinity, Bicarbonate	293		20.0	mg/kg	4	5112009	AP	20-Nov-15	310.1	
Alkalinity, Carbonate	<4.00		4.00	mg/kg	4	5112009	AP	20-Nov-15	310.1	
Chloride	48.0		16.0	mg/kg	4	5111010	AP	10-Nov-15	4500-CL-B	
Conductivity	189		1.00	uS/cm	1	5111006	AP	10-Nov-15	120.1	
pH*	7.11		0.100	pH Units	1	5111009	AP	10-Nov-15	9045	
Sulfate	216		100	mg/kg	10	5111606	AP	01-Dec-15	375.4	
Alkalinity, Total*	240		16.0	mg/kg	4	5112009	AP	20-Nov-15	310.1	

**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5111107	MS	11-Nov-15	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5111107	MS	11-Nov-15	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5111107	MS	11-Nov-15	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5111107	MS	11-Nov-15	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5111107	MS	11-Nov-15	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			98.8 %	73.6-140		5111107	MS	11-Nov-15	8021B	

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10	<10.0		10.0	mg/kg	1	5110802	MS	10-Nov-15	8015B	
DRO >C10-C28	<10.0		10.0	mg/kg	1	5110802	MS	10-Nov-15	8015B	
EXT DRO >C28-C35	<10.0		10.0	mg/kg	1	5110802	MS	10-Nov-15	8015B	
Surrogate: 1-Chlorooctane			99.6 %	35-147		5110802	MS	10-Nov-15	8015B	
Surrogate: 1-Chlorooctadecane			107 %	28-171		5110802	MS	10-Nov-15	8015B	

**Green Analytical Laboratories**

**General Chemistry**

% Dry Solids	82.0			%	1	B511109	MAJ	11-Nov-15	EPA160.3/25 40C	HL
--------------	------	--	--	---	---	---------	-----	-----------	--------------------	----

**Cardinal Laboratories**

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analysis. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage 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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

*Coley D. Keene*

Coley D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

T-N-T ENVIRONMENTAL 70 OJITO ROAD LINDRITH NM, 87029	Project: QUARTERLY VADOZE Project Number: NONE GIVEN Project Manager: CRAIG SCHMITZ Fax To: (575) 774-9116	Reported: 02-Dec-15 13:11
--	---	------------------------------

**CELL # 1  
H502952-01 (Soil)**

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

**Green Analytical Laboratories**

**Total Metals by ICP**

Arsenic	<10.0		10.0	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
Barium	199		1.00	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
Cadmium	<5.00		5.00	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
Calcium	4780		100	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
Chromium	22.5		5.00	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
Lead	10.8		10.0	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
Magnesium	5270		100	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
Potassium	2970		200	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
Selenium	<20.0		20.0	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
Silver	<5.00		5.00	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
Sodium	<200		200	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	

**Total Mercury by CVAA**

Mercury	<0.116		0.116	mg/kg dry	475	B511186	JGS	18-Nov-15	EPA7471	
---------	--------	--	-------	-----------	-----	---------	-----	-----------	---------	--

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages: Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage 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 the services hereunder by Cardinal, regardless of whether any claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

T-N-T ENVIRONMENTAL 70 OJITO ROAD LINDRITH NM, 87029	Project: QUARTERLY VADOZE Project Number: NONE GIVEN Project Manager: CRAIG SCHMITZ Fax To: (575) 774-9116	Reported: 02-Dec-15 13:11
--	---	------------------------------

**CELL # 2  
H502952-02 (Soil)**

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

**Cardinal Laboratories**

**Inorganic Compounds**

Alkalinity, Bicarbonate	78.1		20.0	mg/kg	4	5112009	AP	20-Nov-15	310.1	
Alkalinity, Carbonate	<4.00		4.00	mg/kg	4	5112009	AP	20-Nov-15	310.1	
Chloride	32.0		16.0	mg/kg	4	5111010	AP	10-Nov-15	4500-Cl-B	
Conductivity	173		1.00	uS/cm	1	5111006	AP	10-Nov-15	120.1	
pH*	6.98		0.100	pH Units	1	5111009	AP	10-Nov-15	9045	
Sulfate	345		200	mg/kg	20	5111606	AP	01-Dec-15	375.4	
Alkalinity, Total*	64.0		16.0	mg/kg	4	5112009	AP	20-Nov-15	310.1	

**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5111107	MS	11-Nov-15	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5111107	MS	11-Nov-15	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5111107	MS	11-Nov-15	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5111107	MS	11-Nov-15	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5111107	MS	11-Nov-15	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			98.3 %	73.6-140		5111107	MS	11-Nov-15	8021B	

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10	<10.0		10.0	mg/kg	1	5110802	MS	10-Nov-15	8015B	
DRO >C10-C28	<10.0		10.0	mg/kg	1	5110802	MS	10-Nov-15	8015B	
EXT DRO >C28-C35	<10.0		10.0	mg/kg	1	5110802	MS	10-Nov-15	8015B	
Surrogate: 1-Chlorooctane			92.4 %	35-147		5110802	MS	10-Nov-15	8015B	
Surrogate: 1-Chlorooctadecane			100 %	28-171		5110802	MS	10-Nov-15	8015B	

**Green Analytical Laboratories**

**General Chemistry**

% Dry Solids	84.7			%	1	B511109	MAJ	11-Nov-15	EPA160.3/25 40C	H1
--------------	------	--	--	---	---	---------	-----	-----------	--------------------	----

**Cardinal Laboratories**

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage 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 the services hereunder by Cardinal, regardless of whether any claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

T-N-T ENVIRONMENTAL 70 OJITO ROAD LINDRITH NM, 87029	Project: QUARTERLY VADOZE Project Number: NONE GIVEN Project Manager: CRAIG SCHMITZ Fax To: (575) 774-9116	Reported: 02-Dec-15 13:11
--	---	------------------------------

**CELL # 2**  
**H502952-02 (Soil)**

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

**Green Analytical Laboratories**

**Total Metals by ICP**

Arsenic	<10.0		10.0	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
Barium	199		1.00	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
Cadmium	<5.00		5.00	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
Calcium	4720		100	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
Chromium	24.1		5.00	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
Lead	<10.0		10.0	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
Magnesium	5300		100	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
Potassium	2970		200	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
Selenium	<20.0		20.0	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
Silver	<5.00		5.00	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
Sodium	<200		200	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	

**Total Mercury by CVAA**

Mercury	<0.117		0.117	mg/kg dry	495	B511186	JGS	18-Nov-15	EPA7471	
---------	--------	--	-------	-----------	-----	---------	-----	-----------	---------	--

**Cardinal Laboratories**

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analysis. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage 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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

T-N-T ENVIRONMENTAL 70 OJITO ROAD LINDRITH NM, 87029	Project: QUARTERLY VADOZE Project Number: NONE GIVEN Project Manager: CRAIG SCHMITZ Fax To: (575) 774-9116	Reported: 02-Dec-15 13:11
--	---	------------------------------

**CELL # 3  
H502952-03 (Soil)**

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

**Cardinal Laboratories**

**Inorganic Compounds**

Alkalinity, Bicarbonate	58.6		20.0	mg/kg	4	5112009	AP	20-Nov-15	310.1	
Alkalinity, Carbonate	<4.00		4.00	mg/kg	4	5112009	AP	20-Nov-15	310.1	
Chloride	48.0		16.0	mg/kg	4	5111010	AP	10-Nov-15	4500-Cl-B	
Conductivity	188		1.00	uS/cm	1	5111006	AP	10-Nov-15	120.1	
pH*	6.89		0.100	pH Units	1	5111009	AP	10-Nov-15	9045	
Sulfate	<200		200	mg/kg	20	5111606	AP	01-Dec-15	375.4	
Alkalinity, Total*	48.0		16.0	mg/kg	4	5112009	AP	20-Nov-15	310.1	

**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5111107	MS	11-Nov-15	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5111107	MS	11-Nov-15	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5111107	MS	11-Nov-15	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5111107	MS	11-Nov-15	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5111107	MS	11-Nov-15	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			100 %	73.6-140		5111107	MS	11-Nov-15	8021B	

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10	<10.0		10.0	mg/kg	1	5110802	MS	10-Nov-15	8015B	
DRO >C10-C28	<10.0		10.0	mg/kg	1	5110802	MS	10-Nov-15	8015B	
EXT DRO >C28-C35	<10.0		10.0	mg/kg	1	5110802	MS	10-Nov-15	8015B	
Surrogate: 1-Chlorooctane			95.7 %	35-147		5110802	MS	10-Nov-15	8015B	
Surrogate: 1-Chlorooctadecane			103 %	28-171		5110802	MS	10-Nov-15	8015B	

**Green Analytical Laboratories**

**General Chemistry**

% Dry Solids	84.7			%	1	B511109	MAJ	11-Nov-15	EPA160.3/25 40C	H1
--------------	------	--	--	---	---	---------	-----	-----------	--------------------	----

**Cardinal Laboratories**

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether issued in contract or tort, shall be limited to the amount paid by client for analysis. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage 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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated remedies or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

T-N-T ENVIRONMENTAL 70 OJITO ROAD LINDRITH NM, 87029	Project: QUARTERLY VADOZE Project Number: NONE GIVEN Project Manager: CRAIG SCHMITZ Fax To: (575) 774-9116	Reported: 02-Dec-15 13:11
--	---	------------------------------

**CELL # 3  
H502952-03 (Soil)**

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

**Green Analytical Laboratories**

**Total Metals by ICP**

Arsenic	<10.0		10.0	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
Barium	185		1.00	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
Cadmium	<5.00		5.00	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
Calcium	4350		100	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
Chromium	21.0		5.00	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
Lead	<10.0		10.0	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
Magnesium	4910		100	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
Potassium	2810		200	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
Selenium	<20.0		20.0	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
Silver	<5.00		5.00	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
Sodium	<200		200	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	

**Total Mercury by CVAA**

Mercury	<0.115		0.115	mg/kg dry	485	B511186	JGS	18-Nov-15	EPA7471	
---------	--------	--	-------	-----------	-----	---------	-----	-----------	---------	--

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage 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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

T-N-T ENVIRONMENTAL 70 OJITO ROAD LINDRITH NM, 87029	Project: QUARTERLY VADOZE Project Number: NONE GIVEN Project Manager: CRAIG SCHMITZ Fax To: (575) 774-9116	Reported: 02-Dec-15 13:11
--	---	------------------------------

**CELL # 4  
H502952-04 (Soil)**

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

**Cardinal Laboratories**

**Inorganic Compounds**

Alkalinity, Bicarbonate	48.8		20.0	mg/kg	4	5112009	AP	20-Nov-15	310.1	
Alkalinity, Carbonate	<4.00		4.00	mg/kg	4	5112009	AP	20-Nov-15	310.1	
Chloride	32.0		16.0	mg/kg	4	5111011	AP	10-Nov-15	4500-Cl-B	
Conductivity	200		1.00	uS/cm	1	5111006	AP	10-Nov-15	120.1	
pH*	6.81		0.100	pH Units	1	5111009	AP	10-Nov-15	9045	
Sulfate	<100		100	mg/kg	10	5111606	AP	01-Dec-15	375.4	
Alkalinity, Total*	40.0		16.0	mg/kg	4	5112009	AP	20-Nov-15	310.1	

**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5111107	MS	11-Nov-15	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5111107	MS	11-Nov-15	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5111107	MS	11-Nov-15	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5111107	MS	11-Nov-15	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5111107	MS	11-Nov-15	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			100 %	73.6-140		5111107	MS	11-Nov-15	8021B	

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10	<10.0		10.0	mg/kg	1	5110802	MS	10-Nov-15	8015B	
DRO >C10-C28	<10.0		10.0	mg/kg	1	5110802	MS	10-Nov-15	8015B	
EXT DRO >C28-C35	<10.0		10.0	mg/kg	1	5110802	MS	10-Nov-15	8015B	
Surrogate: 1-Chlorooctane			93.3 %	35-147		5110802	MS	10-Nov-15	8015B	
Surrogate: 1-Chlorooctadecane			102 %	28-171		5110802	MS	10-Nov-15	8015B	

**Green Analytical Laboratories**

**General Chemistry**

% Dry Solids	84.3			%	1	B511109	MAJ	11-Nov-15	EPA160.3/25 40C	H1
--------------	------	--	--	---	---	---------	-----	-----------	--------------------	----

**Cardinal Laboratories**

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analysis. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage 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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

T-N-T ENVIRONMENTAL 70 QJITO ROAD LINDRITH NM, 87029	Project: QUARTERLY VADOZE Project Number: NONE GIVEN Project Manager: CRAIG SCHMITZ Fax To: (575) 774-9116	Reported: 02-Dec-15 13:11
--	---	------------------------------

**CELL # 4**  
**HS02952-04 (Soil)**

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

**Green Analytical Laboratories**

**Total Metals by ICP**

Arsenic	<10.0		10.0	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
Barium	<b>205</b>		1.00	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
Cadmium	<5.00		5.00	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
Calcium	<b>4900</b>		100	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
Chromium	<b>25.4</b>		5.00	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
Lead	<10.0		10.0	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
Magnesium	<b>5620</b>		100	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
Potassium	<b>3180</b>		200	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
Selenium	<20.0		20.0	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
Silver	<5.00		5.00	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
Sodium	<200		200	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	

**Total Mercury by CVAA**

Mercury	<0.113		0.113	mg/kg dry	475	B511186	JGS	18-Nov-15	EPA7471	
---------	--------	--	-------	-----------	-----	---------	-----	-----------	---------	--

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage 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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

T-N-T ENVIRONMENTAL 70 QJITO ROAD LINDRITH NM, 87029	Project: QUARTERLY VADOZE Project Number: NONE GIVEN Project Manager: CRAIG SCHMITZ Fax To: (575) 774-9116	Reported: 02-Dec-15 13:11
--	---	------------------------------

**CELL # 5  
HS02952-05 (Soil)**

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

**Cardinal Laboratories**

**Inorganic Compounds**

Alkalinity, Bicarbonate	58.6		20.0	mg/kg	4	5112009	AP	20-Nov-15	310.1	
Alkalinity, Carbonate	<4.00		4.00	mg/kg	4	5112009	AP	20-Nov-15	310.1	
Chloride	32.0		16.0	mg/kg	4	5111011	AP	10-Nov-15	4500-Cl-B	
Conductivity	217		1.00	uS/cm	1	5111006	AP	10-Nov-15	120.1	
pH*	6.79		0.100	pH Units	1	5111009	AP	10-Nov-15	9045	
Sulfate	<200		200	mg/kg	20	5111606	AP	01-Dec-15	375.4	
Alkalinity, Total*	48.0		16.0	mg/kg	4	5112009	AP	20-Nov-15	310.1	

**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5111107	MS	11-Nov-15	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5111107	MS	11-Nov-15	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5111107	MS	11-Nov-15	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5111107	MS	11-Nov-15	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5111107	MS	11-Nov-15	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			100 %	73.6-140		5111107	MS	11-Nov-15	8021B	

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10	<10.0		10.0	mg/kg	1	5110802	MS	10-Nov-15	8015B	
DRO >C10-C28	<10.0		10.0	mg/kg	1	5110802	MS	10-Nov-15	8015B	
EXT DRO >C28-C35	<10.0		10.0	mg/kg	1	5110802	MS	10-Nov-15	8015B	
Surrogate: 1-Chlorooctane			89.4 %	35-147		5110802	MS	10-Nov-15	8015B	
Surrogate: 1-Chlorooctadecane			96.3 %	28-171		5110802	MS	10-Nov-15	8015B	

**Green Analytical Laboratories**

**General Chemistry**

% Dry Solids	84.0			%	1	B511109	MAJ	11-Nov-15	EPA160.3/25 40C	H1
--------------	------	--	--	---	---	---------	-----	-----------	--------------------	----

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage 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 the services hereunder by Cardinal, regardless of whether any claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

T-N-T ENVIRONMENTAL 70 OJITO ROAD LINDRITH NM, 87029	Project: QUARTERLY VADOZE Project Number: NONE GIVEN Project Manager: CRAIG SCHMITZ Fax To: (575) 774-9116	Reported: 02-Dec-15 13:11
--	---	------------------------------

**CELL # 5  
H502952-05 (Soil)**

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

**Green Analytical Laboratories**

**Total Metals by ICP**

Arsenic	<10.0		10.0	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
Barium	209		1.00	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
Cadmium	<5.00		5.00	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
Calcium	4950		100	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
Chromium	24.2		5.00	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
Lead	<10.0		10.0	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
Magnesium	5520		100	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
Potassium	3010		200	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
Selenium	<20.0		20.0	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
Silver	<5.00		5.00	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
Sodium	<200		200	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	

**Total Mercury by CVAA**

Mercury	<0.114		0.114	mg/kg dry	480	B511186	JGS	18-Nov-15	EPA7471	
---------	--------	--	-------	-----------	-----	---------	-----	-----------	---------	--

**Cardinal Laboratories**

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage 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 the services hereunder by Cardinal, regardless of whether the claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

T-N-T ENVIRONMENTAL 70 OJITO ROAD LINDRITH NM, 87029	Project: QUARTERLY VADOZE Project Number: NONE GIVEN Project Manager: CRAIG SCHMITZ Fax To: (575) 774-9116	Reported: 02-Dec-15 13:11
--	---	------------------------------

**CELL # 6  
H502952-06 (Soil)**

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

**Cardinal Laboratories**

**Inorganic Compounds**

Alkalinity, Bicarbonate	58.6		20.0	mg/kg	4	5112009	AP	20-Nov-15	310.1	
Alkalinity, Carbonate	<4.00		4.00	mg/kg	4	5112009	AP	20-Nov-15	310.1	
Chloride	32.0		16.0	mg/kg	4	5111011	AP	10-Nov-15	4500-Cl-B	
Conductivity	178		1.00	uS/cm	1	5111006	AP	10-Nov-15	120.1	
pH*	6.90		0.100	pH Units	1	5111009	AP	10-Nov-15	9045	
Sulfate	244		100	mg/kg	10	5111606	AP	01-Dec-15	375.4	
Alkalinity, Total*	48.0		16.0	mg/kg	4	5112009	AP	20-Nov-15	310.1	

**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5111107	MS	11-Nov-15	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5111107	MS	11-Nov-15	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5111107	MS	11-Nov-15	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5111107	MS	11-Nov-15	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5111107	MS	11-Nov-15	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			99.6 %		73.6-140	5111107	MS	11-Nov-15	8021B	

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10	<10.0		10.0	mg/kg	1	5110802	MS	10-Nov-15	8015B	
DRO >C10-C28	<10.0		10.0	mg/kg	1	5110802	MS	10-Nov-15	8015B	
EXT DRO >C28-C35	<10.0		10.0	mg/kg	1	5110802	MS	10-Nov-15	8015B	
Surrogate: 1-Chlorooctane			95.3 %		35-147	5110802	MS	10-Nov-15	8015B	
Surrogate: 1-Chlorooctadecane			104 %		28-171	5110802	MS	10-Nov-15	8015B	

**Green Analytical Laboratories**

**General Chemistry**

% Dry Solids	84.2			%	1	B511109	MAJ	11-Nov-15	EPA160.3/25 40C	H1
--------------	------	--	--	---	---	---------	-----	-----------	--------------------	----

**Cardinal Laboratories**

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage 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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

T-N-T ENVIRONMENTAL 70 OJITO ROAD LINDRITH NM, 87029	Project: QUARTERLY VADOZE Project Number: NONE GIVEN Project Manager: CRAIG SCHMITZ Fax To: (575) 774-9116	Reported: 02-Dec-15 13:11
--	---	------------------------------

**CELL # 6  
H502952-06 (Soil)**

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

**Green Analytical Laboratories**

**Total Metals by ICP**

Arsenic	<10.0		10.0	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
Barium	191		1.00	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
Cadmium	<5.00		5.00	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
Calcium	4610		100	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
Chromium	23.2		5.00	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
Lead	<10.0		10.0	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
Magnesium	5210		100	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
Potassium	2930		200	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
Selenium	<20.0		20.0	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
Silver	<5.00		5.00	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
Sodium	<200		200	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	

**Total Mercury by CVAA**

Mercury	<0.115		0.115	mg/kg dry	485	B511186	JGS	18-Nov-15	EPA7471	
---------	--------	--	-------	-----------	-----	---------	-----	-----------	---------	--

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage 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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

T-N-T ENVIRONMENTAL 70 OJITO ROAD LINDRITH NM, 87029	Project: QUARTERLY VADOZE Project Number: NONE GIVEN Project Manager: CRAIG SCHMITZ Fax To: (575) 774-9116	Reported: 02-Dec-15 13:11
--	---	------------------------------

**CELL # 7  
H502952-07 (Soil)**

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

**Cardinal Laboratories**

**Inorganic Compounds**

Alkalinity, Bicarbonate	78.1		20.0	mg/kg	4	5112009	AP	20-Nov-15	310.1	
Alkalinity, Carbonate	<4.00		4.00	mg/kg	4	5112009	AP	20-Nov-15	310.1	
Chloride	48.0		16.0	mg/kg	4	5111011	AP	10-Nov-15	4500-Cl-B	
Conductivity	203		1.00	uS/cm	1	5111006	AP	10-Nov-15	120.1	
pH*	6.82		0.100	pH Units	1	5111009	AP	10-Nov-15	9045	
Sulfate	170		100	mg/kg	10	5111606	AP	01-Dec-15	375.4	
Alkalinity, Total*	64.0		16.0	mg/kg	4	5112009	AP	20-Nov-15	310.1	

**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5111107	MS	11-Nov-15	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5111107	MS	11-Nov-15	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5111107	MS	11-Nov-15	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5111107	MS	11-Nov-15	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5111107	MS	11-Nov-15	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			95.6 %	73.6-140		5111107	MS	11-Nov-15	8021B	

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10	<10.0		10.0	mg/kg	1	5110802	MS	10-Nov-15	8015B	
DRO >C10-C28	<10.0		10.0	mg/kg	1	5110802	MS	10-Nov-15	8015B	
EXT DRO >C28-C35	<10.0		10.0	mg/kg	1	5110802	MS	10-Nov-15	8015B	
Surrogate: 1-Chlorooctane			92.5 %	35-147		5110802	MS	10-Nov-15	8015B	
Surrogate: 1-Chlorooctadecane			99.3 %	28-171		5110802	MS	10-Nov-15	8015B	

**Green Analytical Laboratories**

**General Chemistry**

% Dry Solids	83.7			%	1	B511109	MAJ	11-Nov-15	EPA160.3/25 40C	H1
--------------	------	--	--	---	---	---------	-----	-----------	--------------------	----

**Cardinal Laboratories**

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages: Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analysis. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage 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 the services hereunder by Cardinal, regardless of whether any claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced, except in full with written approval of Cardinal Laboratories.

*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

T-N-T ENVIRONMENTAL 70 OJITO ROAD LINDRITH NM, 87029	Project: QUARTERLY VADOZE Project Number: NONE GIVEN Project Manager: CRAIG SCHMITZ Fax To: (575) 774-9116	Reported: 02-Dec-15 13:11
--	---	------------------------------

**CELL # 7  
H502952-07 (Soil)**

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

**Green Analytical Laboratories**

**Total Metals by ICP**

Arsenic	<10.0		10.0	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
<b>Barium</b>	<b>185</b>		1.00	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
Cadmium	<5.00		5.00	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
<b>Calcium</b>	<b>4550</b>		100	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
<b>Chromium</b>	<b>21.5</b>		5.00	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
Lead	<10.0		10.0	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
<b>Magnesium</b>	<b>4980</b>		100	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
<b>Potassium</b>	<b>3110</b>		200	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
Selenium	<20.0		20.0	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
Silver	<5.00		5.00	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
Sodium	<200		200	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	

**Total Mercury by CVAA**

Mercury	<0.115		0.115	mg/kg dry	480	B511186	JGS	18-Nov-15	EPA7471	
---------	--------	--	-------	-----------	-----	---------	-----	-----------	---------	--

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage 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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

T-N-T ENVIRONMENTAL 70 OJITO ROAD LINDRITH NM, 87029	Project: QUARTERLY VADOZE Project Number: NONE GIVEN Project Manager: CRAIG SCHMITZ Fax To: (575) 774-9116	Reported: 02-Dec-15 13:11
--	---	------------------------------

**CELL # 8**  
**H502952-08 (Soil)**

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

**Cardinal Laboratories**

**Inorganic Compounds**

Alkalinity, Bicarbonate	58.6		20.0	mg/kg	4	5112009	AP	20-Nov-15	310.1	
Alkalinity, Carbonate	<4.00		4.00	mg/kg	4	5112009	AP	20-Nov-15	310.1	
Chloride	32.0		16.0	mg/kg	4	5111011	AP	10-Nov-15	4500-Cl-B	
Conductivity	192		1.00	uS/cm	1	5111006	AP	10-Nov-15	120.1	
pH*	7.00		0.100	pH Units	1	5111101	AP	11-Nov-15	9045	
Sulfate	136		100	mg/kg	10	5111606	AP	01-Dec-15	375.4	
Alkalinity, Total*	48.0		16.0	mg/kg	4	5112009	AP	20-Nov-15	310.1	

**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5111107	MS	11-Nov-15	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5111107	MS	11-Nov-15	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5111107	MS	11-Nov-15	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5111107	MS	11-Nov-15	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5111107	MS	11-Nov-15	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			100 %	73.6-140		5111107	MS	11-Nov-15	8021B	

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10	<10.0		10.0	mg/kg	1	5110802	MS	10-Nov-15	8015B	
DRO >C10-C28	<10.0		10.0	mg/kg	1	5110802	MS	10-Nov-15	8015B	
EXT DRO >C28-C35	<10.0		10.0	mg/kg	1	5110802	MS	10-Nov-15	8015B	
Surrogate: 1-Chlorooctane			90.3 %	35-147		5110802	MS	10-Nov-15	8015B	
Surrogate: 1-Chlorooctadecane			95.0 %	28-171		5110802	MS	10-Nov-15	8015B	

**Green Analytical Laboratories**

**General Chemistry**

% Dry Solids	83.3			%	1	B511109	MAJ	11-Nov-15	EPA160.3/25 40C	H1
--------------	------	--	--	---	---	---------	-----	-----------	--------------------	----

**Cardinal Laboratories**

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage 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 the services hereunder by Cardinal, regardless of whether any claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

T-N-T ENVIRONMENTAL 70 OJITO ROAD LINDRITH NM, 87029	Project: QUARTERLY VADOZE Project Number: NONE GIVEN Project Manager: CRAIG SCHMITZ Fax To: (575) 774-9116	Reported: 02-Dec-15 13:11
--	---	------------------------------

**CELL # 8  
H502952-08 (Soil)**

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

**Green Analytical Laboratories**

**Total Metals by ICP**

Arsenic	<10.0		10.0	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
Barium	<b>193</b>		1.00	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
Cadmium	<5.00		5.00	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
Calcium	<b>4690</b>		100	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
Chromium	<b>23.5</b>		5.00	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
Lead	<10.0		10.0	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
Magnesium	<b>5220</b>		100	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
Potassium	<b>2920</b>		200	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
Selenium	<20.0		20.0	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
Silver	<5.00		5.00	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
Sodium	<200		200	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	

**Total Mercury by CVAA**

Mercury	<0.115		0.115	mg/kg dry	480	B511186	JGS	18-Nov-15	EPA7471	
---------	--------	--	-------	-----------	-----	---------	-----	-----------	---------	--

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage 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 the services hereunder by Cardinal, regardless of whether any claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

T-N-T ENVIRONMENTAL 70 OJITO ROAD LINDRITH NM, 87029	Project: QUARTERLY VADOZE	Reported:
	Project Number: NONE GIVEN	02-Dec-15 13:11
	Project Manager: CRAIG SCHMITZ	
	Fax To: (575) 774-9116	

**CELL # 9**

**H502952-09 (Soil)**

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

**Cardinal Laboratories**

**Inorganic Compounds**

Alkalinity, Bicarbonate	58.6		20.0	mg/kg	4	5112009	AP	20-Nov-15	310.1	
Alkalinity, Carbonate	<4.00		4.00	mg/kg	4	5112009	AP	20-Nov-15	310.1	
Chloride	32.0		16.0	mg/kg	4	5111011	AP	10-Nov-15	4500-Cl-B	
Conductivity	180		1.00	uS/cm	1	5111006	AP	10-Nov-15	120.1	
pH*	6.89		0.100	pH Units	1	5111101	AP	11-Nov-15	9045	
Sulfate	203		100	mg/kg	10	5111606	AP	01-Dec-15	375.4	
Alkalinity, Total*	48.0		16.0	mg/kg	4	5112009	AP	20-Nov-15	310.1	

**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5111107	MS	11-Nov-15	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5111107	MS	11-Nov-15	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5111107	MS	11-Nov-15	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5111107	MS	11-Nov-15	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5111107	MS	11-Nov-15	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			101 %	73.6-140		5111107	MS	11-Nov-15	8021B	

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10	<10.0		10.0	mg/kg	1	5110802	MS	10-Nov-15	8015B	
DRO >C10-C28	<10.0		10.0	mg/kg	1	5110802	MS	10-Nov-15	8015B	
EXT DRO >C28-C35	<10.0		10.0	mg/kg	1	5110802	MS	10-Nov-15	8015B	
Surrogate: 1-Chlorooctane			89.7 %	35-147		5110802	MS	10-Nov-15	8015B	
Surrogate: 1-Chlorooctadecane			94.0 %	28-171		5110802	MS	10-Nov-15	8015B	

**Green Analytical Laboratories**

**General Chemistry**

% Dry Solids	83.4			%	1	B511109	MAJ	11-Nov-15	EPA160.3/25 40C	H1
--------------	------	--	--	---	---	---------	-----	-----------	--------------------	----

**Cardinal Laboratories**

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analysis. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage 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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

T-N-T ENVIRONMENTAL 70 OJITO ROAD LINDRITH NM, 87029	Project: QUARTERLY VADOZE Project Number: NONE GIVEN Project Manager: CRAIG SCHMITZ Fax To: (575) 774-9116	Reported: 02-Dec-15 13:11
--	---	------------------------------

**CELL # 9  
H502952-09 (Soil)**

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

**Green Analytical Laboratories**

**Total Metals by ICP**

Arsenic	<10.0		10.0	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
Barium	198		1.00	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
Cadmium	<5.00		5.00	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
Calcium	4700		100	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
Chromium	23.0		5.00	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
Lead	<10.0		10.0	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
Magnesium	5280		100	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
Potassium	2970		200	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
Selenium	<20.0		20.0	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
Silver	<5.00		5.00	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
Sodium	<200		200	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	

**Total Mercury by CVAA**

Mercury	<0.120		0.120	mg/kg dry	500	B511186	JGS	18-Nov-15	EPA7471	
---------	--------	--	-------	-----------	-----	---------	-----	-----------	---------	--

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage 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 the services hereunder by Cardinal, regardless of whether any claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

T-N-T ENVIRONMENTAL 70 OJITO ROAD LINDRITH NM, 87029	Project: QUARTERLY VADOZE Project Number: NONE GIVEN Project Manager: CRAIG SCHMITZ Fax To: (575) 774-9116	Reported: 02-Dec-15 13:11
--	---	------------------------------

**CELL # 10  
H502952-10 (Soil)**

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

**Cardinal Laboratories**

**Inorganic Compounds**

Alkalinity, Bicarbonate	58.6		20.0	mg/kg	4	5112009	AP	20-Nov-15	310.1	
Alkalinity, Carbonate	<4.00		4.00	mg/kg	4	5112009	AP	20-Nov-15	310.1	
Chloride	32.0		16.0	mg/kg	4	5111011	AP	10-Nov-15	4500-Cl-B	
Conductivity	206		1.00	uS/cm	1	5111007	AP	10-Nov-15	120.1	
pH*	6.82		0.100	pH Units	1	5111101	AP	11-Nov-15	9045	
Sulfate	151		100	mg/kg	10	5111606	AP	01-Dec-15	375.4	
Alkalinity, Total*	48.0		16.0	mg/kg	4	5112009	AP	20-Nov-15	310.1	

**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5111107	MS	11-Nov-15	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5111107	MS	11-Nov-15	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5111107	MS	11-Nov-15	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5111107	MS	11-Nov-15	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5111107	MS	11-Nov-15	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			99.7 %	73.6-140		5111107	MS	11-Nov-15	8021B	

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10	<10.0		10.0	mg/kg	1	5110907	MS	10-Nov-15	8015B	
DRO >C10-C28	<10.0		10.0	mg/kg	1	5110907	MS	10-Nov-15	8015B	
EXT DRO >C28-C35	<10.0		10.0	mg/kg	1	5110907	MS	10-Nov-15	8015B	
Surrogate: 1-Chlorooctane			92.4 %	35-147		5110907	MS	10-Nov-15	8015B	
Surrogate: 1-Chlorooctadecane			99.5 %	28-171		5110907	MS	10-Nov-15	8015B	

**Green Analytical Laboratories**

**General Chemistry**

% Dry Solids	84.1			%	1	B511109	MAJ	11-Nov-15	EPA160.3/25 40C	
--------------	------	--	--	---	---	---------	-----	-----------	--------------------	--

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage 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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

T-N-T ENVIRONMENTAL 70 OJITO ROAD LINDRITH NM, 87029	Project: QUARTERLY VADOZE Project Number: NONE GIVEN Project Manager: CRAIG SCHMITZ Fax To: (575) 774-9116	Reported: 02-Dec-15 13:11
--	---	------------------------------

**CELL # 10**  
**H502952-10 (Soil)**

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

**Green Analytical Laboratories**

**Total Metals by ICP**

Arsenic	<10.0		10.0	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
Barium	183		1.00	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
Cadmium	<5.00		5.00	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
Calcium	4410		100	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
Chromium	22.3		5.00	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
Lead	<10.0		10.0	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
Magnesium	5040		100	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
Potassium	2920		200	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
Selenium	<20.0		20.0	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
Silver	<5.00		5.00	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
Sodium	<200		200	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	

**Total Mercury by CVAA**

Mercury	<0.116		0.116	mg/kg dry	490	B511186	JGS	18-Nov-15	EPA7471	
---------	--------	--	-------	-----------	-----	---------	-----	-----------	---------	--

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage 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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

T-N-T ENVIRONMENTAL 70 OJITO ROAD LINDRITH NM, 87029	Project: QUARTERLY VADOZE	Reported:
	Project Number: NONE GIVEN	02-Dec-15 13:11
	Project Manager: CRAIG SCHMITZ	
	Fax To: (575) 774-9116	

**CELL # 11  
H502952-11 (Soil)**

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

**Cardinal Laboratories**

**Inorganic Compounds**

Alkalinity, Bicarbonate	58.6		20.0	mg/kg	4	5112009	AP	20-Nov-15	310.1	
Alkalinity, Carbonate	<4.00		4.00	mg/kg	4	5112009	AP	20-Nov-15	310.1	
Chloride	48.0		16.0	mg/kg	4	5111011	AP	10-Nov-15	4500-Cl-B	
Conductivity	244		1.00	uS/cm	1	5111007	AP	10-Nov-15	120.1	
pH*	6.91		0.100	pH Units	1	5111101	AP	11-Nov-15	9045	
Sulfate	220		100	mg/kg	10	5111606	AP	01-Dec-15	375.4	
Alkalinity, Total*	48.0		16.0	mg/kg	4	5112009	AP	20-Nov-15	310.1	

**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5111107	MS	11-Nov-15	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5111107	MS	11-Nov-15	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5111107	MS	11-Nov-15	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5111107	MS	11-Nov-15	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5111107	MS	11-Nov-15	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			99.6 %		73.6-140	5111107	MS	11-Nov-15	8021B	

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10	<10.0		10.0	mg/kg	1	5110907	MS	10-Nov-15	8015B	
DRO >C10-C28	<10.0		10.0	mg/kg	1	5110907	MS	10-Nov-15	8015B	
EXT DRO >C28-C35	<10.0		10.0	mg/kg	1	5110907	MS	10-Nov-15	8015B	
Surrogate: 1-Chlorooctane			90.6 %		35-147	5110907	MS	10-Nov-15	8015B	
Surrogate: 1-Chlorooctadecane			93.4 %		28-171	5110907	MS	10-Nov-15	8015B	

**Green Analytical Laboratories**

**General Chemistry**

% Dry Solids	83.8			%	1	B511109	MAJ	11-Nov-15	EPA160.3/25 40C	
--------------	------	--	--	---	---	---------	-----	-----------	--------------------	--

**Cardinal Laboratories**

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage 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 the services hereunder by Cardinal, regardless of whether any claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

T-N-T ENVIRONMENTAL 70 OJITO ROAD LINDRITH NM, 87029	Project: QUARTERLY VADOZE Project Number: NONE GIVEN Project Manager: CRAIG SCHMITZ Fax To: (575) 774-9116	Reported: 02-Dec-15 13:11
--	---	------------------------------

**CELL # 11  
H502952-11 (Soil)**

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

**Green Analytical Laboratories**

**Total Metals by ICP**

Arsenic	<10.0		10.0	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
<b>Barium</b>	<b>197</b>		1.00	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
Cadmium	<5.00		5.00	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
<b>Calcium</b>	<b>4730</b>		100	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
<b>Chromium</b>	<b>22.9</b>		5.00	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
Lead	<10.0		10.0	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
<b>Magnesium</b>	<b>5260</b>		100	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
<b>Potassium</b>	<b>2920</b>		200	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
Selenium	<20.0		20.0	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
Silver	<5.00		5.00	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
Sodium	<200		200	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	

**Total Mercury by CVAA**

Mercury	<0.115		0.115	mg/kg dry	480	B511186	JGS	18-Nov-15	EPA 7471	
---------	--------	--	-------	-----------	-----	---------	-----	-----------	----------	--

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage 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 the services hereunder by Cardinal, regardless of whether any claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

T-N-T ENVIRONMENTAL 70 OJITO ROAD LINDRITH NM, 87029	Project: QUARTERLY VADOZE Project Number: NONE GIVEN Project Manager: CRAIG SCHMITZ Fax To: (575) 774-9116	Reported: 02-Dec-15 13:11
--	---	------------------------------

**CELL # 12  
H502952-12 (Soil)**

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

**Cardinal Laboratories**

**Inorganic Compounds**

Alkalinity, Bicarbonate	58.6		20.0	mg/kg	4	5112009	AP	20-Nov-15	310.1	
Alkalinity, Carbonate	<4.00		4.00	mg/kg	4	5112009	AP	20-Nov-15	310.1	
Chloride	32.0		16.0	mg/kg	4	5111011	AP	10-Nov-15	4500-Cl-B	
Conductivity	189		1.00	uS/cm	1	5111007	AP	10-Nov-15	120.1	
pH*	6.99		0.100	pH Units	1	5111101	AP	11-Nov-15	9045	
Sulfate	240		200	mg/kg	20	5111606	AP	01-Dec-15	375.4	
Alkalinity, Total*	48.0		16.0	mg/kg	4	5112009	AP	20-Nov-15	310.1	

**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5111107	MS	11-Nov-15	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5111107	MS	11-Nov-15	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5111107	MS	11-Nov-15	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5111107	MS	11-Nov-15	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5111107	MS	11-Nov-15	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			97.3 %	73.6-140		5111107	MS	11-Nov-15	8021B	

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10	<10.0		10.0	mg/kg	1	5110907	MS	10-Nov-15	8015B	
DRO >C10-C28	<10.0		10.0	mg/kg	1	5110907	MS	10-Nov-15	8015B	
EXT DRO >C28-C35	<10.0		10.0	mg/kg	1	5110907	MS	10-Nov-15	8015B	
Surrogate: 1-Chlorooctane			87.5 %	35-147		5110907	MS	10-Nov-15	8015B	
Surrogate: 1-Chlorooctadecane			93.3 %	28-171		5110907	MS	10-Nov-15	8015B	

**Green Analytical Laboratories**

**General Chemistry**

% Dry Solids	83.3			%	1	B511109	MAJ	11-Nov-15	EPA160.3/25 40C	
--------------	------	--	--	---	---	---------	-----	-----------	--------------------	--

**Cardinal Laboratories**

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage 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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

T-N-T ENVIRONMENTAL 70 OJITO ROAD LINDRITH NM, 87029	Project: QUARTERLY VADOZE Project Number: NONE GIVEN Project Manager: CRAIG SCHMITZ Fax To: (575) 774-9116	Reported: 02-Dec-15 13:11
--	---	------------------------------

**CELL # 12**  
**H502952-12 (Soil)**

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

**Green Analytical Laboratories**

**Total Metals by ICP**

Arsenic	<10.0		10.0	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
<b>Barium</b>	<b>198</b>		1.00	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
Cadmium	<5.00		5.00	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
Calcium	<b>4650</b>		100	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
Chromium	<b>22.9</b>		5.00	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
Lead	<10.0		10.0	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
Magnesium	<b>5360</b>		100	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
Potassium	<b>3020</b>		200	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
Selenium	<20.0		20.0	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
Silver	<5.00		5.00	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
Sodium	<200		200	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	

**Total Mercury by CVAA**

Mercury	<0.116		0.116	mg/kg dry	485	B511186	JGS	18-Nov-15	EPA7471	
---------	--------	--	-------	-----------	-----	---------	-----	-----------	---------	--

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage 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 the services hereunder by Cardinal, regardless of whether any claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

T-N-T ENVIRONMENTAL 70 OJITO ROAD LINDRITH NM, 87029	Project: QUARTERLY VADOZE Project Number: NONE GIVEN Project Manager: CRAIG SCHMITZ Fax To: (575) 774-9116	Reported: 02-Dec-15 13:11
--	---	------------------------------

**CELL # 13  
H502952-13 (Soil)**

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

**Cardinal Laboratories**

**Inorganic Compounds**

Alkalinity, Bicarbonate	58.6		20.0	mg/kg	4	5112009	AP	20-Nov-15	310.1	
Alkalinity, Carbonate	<4.00		4.00	mg/kg	4	5112009	AP	20-Nov-15	310.1	
Chloride	48.0		16.0	mg/kg	4	5111011	AP	10-Nov-15	4500-Cl-B	
Conductivity	251		1.00	uS/cm	1	5111007	AP	10-Nov-15	120.1	
pH*	6.89		0.100	pH Units	1	5111101	AP	11-Nov-15	9045	
Sulfate	476		200	mg/kg	20	5111606	AP	01-Dec-15	375.4	
Alkalinity, Total*	48.0		16.0	mg/kg	4	5112009	AP	20-Nov-15	310.1	

**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5111107	MS	11-Nov-15	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5111107	MS	11-Nov-15	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5111107	MS	11-Nov-15	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5111107	MS	11-Nov-15	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5111107	MS	11-Nov-15	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			101 %	73.6-140		5111107	MS	11-Nov-15	8021B	

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10	<10.0		10.0	mg/kg	1	5110907	MS	10-Nov-15	8015B	
DRO >C10-C28	<10.0		10.0	mg/kg	1	5110907	MS	10-Nov-15	8015B	
EXT DRO >C28-C35	<10.0		10.0	mg/kg	1	5110907	MS	10-Nov-15	8015B	
Surrogate: 1-Chlorooctane			84.3 %	35-147		5110907	MS	10-Nov-15	8015B	
Surrogate: 1-Chlorooctadecane			88.7 %	28-171		5110907	MS	10-Nov-15	8015B	

**Green Analytical Laboratories**

**General Chemistry**

% Dry Solids	83.0			%	1	B511109	MAJ	11-Nov-15	EPA160.3/25 40C	
--------------	------	--	--	---	---	---------	-----	-----------	--------------------	--

**Cardinal Laboratories**

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruption, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether any claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

T-N-T ENVIRONMENTAL 70 OJITO ROAD LINDRITH NM, 87029	Project: QUARTERLY VADOZE Project Number: NONE GIVEN Project Manager: CRAIG SCHMITZ Fax To: (575) 774-9116	Reported: 02-Dec-15 13:11
--	---	------------------------------

**CELL # 13  
H502952-13 (Soil)**

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

**Green Analytical Laboratories**

**Total Metals by ICP**

Arsenic	<10.0		10.0	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
Barium	205		1.00	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
Cadmium	<5.00		5.00	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
Calcium	4990		100	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
Chromium	26.3		5.00	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
Lead	<10.0		10.0	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
Magnesium	5830		100	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
Potassium	3280		200	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
Selenium	<20.0		20.0	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
Silver	<5.00		5.00	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	
Sodium	<200		200	mg/kg dry	100	B511119	JGS	18-Nov-15	EPA6010 B	

**Total Mercury by CVAA**

Mercury	<0.122		0.122	mg/kg dry	505	B511186	JGS	18-Nov-15	EPA7471	
---------	--------	--	-------	-----------	-----	---------	-----	-----------	---------	--

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage 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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

T-N-T ENVIRONMENTAL 70 OJITO ROAD LINDRITH NM, 87029	Project: QUARTERLY VADOZE Project Number: NONE GIVEN Project Manager: CRAIG SCHMITZ Fax To: (575) 774-9116	Reported: 02-Dec-15 13:11
--	---	------------------------------

**Inorganic Compounds - Quality Control  
Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 5111006 - 1:1 DI</b>										
LCS (5111006-BS1) Prepared & Analyzed: 10-Nov-15										
Conductivity	532		uS/cm	500		106	80-120			
Duplicate (5111006-DUP1) Source: H502952-01 Prepared & Analyzed: 10-Nov-15										
Conductivity	192	1.00	uS/cm		189			1.15	20	
<b>Batch 5111007 - NO PREP</b>										
LCS (5111007-BS1) Prepared & Analyzed: 10-Nov-15										
Conductivity	545		uS/cm	500		109	80-120			
Duplicate (5111007-DUP1) Source: H502952-10 Prepared & Analyzed: 10-Nov-15										
Conductivity	207	1.00	uS/cm		206			0.145	20	
<b>Batch 5111009 - General Prep - Wet Chem</b>										
LCS (5111009-BS1) Prepared & Analyzed: 10-Nov-15										
pH	7.17		pH Units	7.00		102	90-110			
Duplicate (5111009-DUP1) Source: H502670-11 Prepared & Analyzed: 10-Nov-15										
pH	7.94	0.100	pH Units		7.89			0.632	20	
<b>Batch 5111010 - General Prep - Wet Chem</b>										
Blank (5111010-BLK1) Prepared & Analyzed: 10-Nov-15										
Chloride	ND	16.0	mg/kg							

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage 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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

T-N-T ENVIRONMENTAL 70 OJITO ROAD LINDRITH NM, 87029	Project: QUARTERLY VADOZE Project Number: NONE GIVEN Project Manager: CRAIG SCHMITZ Fax To: (575) 774-9116	Reported: 02-Dec-15 13:11
--	---	------------------------------

**Inorganic Compounds - Quality Control**

**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 5111010 - General Prep - Wet Chem</b>										
<b>LCS (5111010-BS1)</b>				Prepared & Analyzed: 10-Nov-15						
Chloride	400	16.0	mg/kg	400		100	80-120			
<b>LCS Dup (5111010-BSD1)</b>				Prepared & Analyzed: 10-Nov-15						
Chloride	432	16.0	mg/kg	400		108	80-120	7.69	20	
<b>Batch 5111011 - General Prep - Wet Chem</b>										
<b>Blank (5111011-BLK1)</b>				Prepared & Analyzed: 10-Nov-15						
Chloride	ND	16.0	mg/kg							
<b>LCS (5111011-BS1)</b>				Prepared & Analyzed: 10-Nov-15						
Chloride	448	16.0	mg/kg	400		112	80-120			
<b>LCS Dup (5111011-BSD1)</b>				Prepared & Analyzed: 10-Nov-15						
Chloride	416	16.0	mg/kg	400		104	80-120	7.41	20	
<b>Batch 5111101 - General Prep - Wet Chem</b>										
<b>LCS (5111101-BS1)</b>				Prepared & Analyzed: 11-Nov-15						
pH	7.10		pH Units	7.00		101	90-110			
<b>Duplicate (5111101-DUP1)</b>				Source: H502952-08			Prepared & Analyzed: 11-Nov-15			
pH	6.95	0.100	pH Units		7.00			0.717	20	
<b>Batch 5111606 - General Prep - Wet Chem</b>										
<b>Blank (5111606-BLK1)</b>				Prepared: 16-Nov-15 Analyzed: 01-Dec-15						
Sulfate	ND	10.0	mg/kg							

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage 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 the services hereunder by Cardinal, regardless of whether any claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

T-N-T ENVIRONMENTAL 70 OJITO ROAD LINDRITH NM, 87029	Project: QUARTERLY VADOZE Project Number: NONE GIVEN Project Manager: CRAIG SCHMITZ Fax To: (575) 774-9116	Reported: 02-Dec-15 13:11
--	---	------------------------------

**Inorganic Compounds - Quality Control**

**Cardinal Laboratories**

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

**Batch 5111606 - General Prep - Wet Chem**

LCS (5111606-BS1) Prepared: 16-Nov-15 Analyzed: 01-Dec-15

Sulfate	20.0	10.0	mg/kg	20.0		99.9	80-120			
---------	------	------	-------	------	--	------	--------	--	--	--

LCS Dup (5111606-BSD1) Prepared: 16-Nov-15 Analyzed: 01-Dec-15

Sulfate	21.3	10.0	mg/kg	20.0		106	80-120	6.40	20	
---------	------	------	-------	------	--	-----	--------	------	----	--

**Batch 5112009 - General Prep - Wet Chem**

Blank (5112009-BLK1) Prepared & Analyzed: 20-Nov-15

Alkalinity, Carbonate	ND	0.00	mg/kg							
-----------------------	----	------	-------	--	--	--	--	--	--	--

Alkalinity, Bicarbonate	ND	5.00	mg/kg							
-------------------------	----	------	-------	--	--	--	--	--	--	--

Alkalinity, Total	ND	4.00	mg/kg							
-------------------	----	------	-------	--	--	--	--	--	--	--

LCS (5112009-BS1) Prepared & Analyzed: 20-Nov-15

Alkalinity, Carbonate	ND	0.00	mg/kg				80-120			
-----------------------	----	------	-------	--	--	--	--------	--	--	--

Alkalinity, Bicarbonate	126	5.00	mg/kg				80-120			
-------------------------	-----	------	-------	--	--	--	--------	--	--	--

Alkalinity, Total	104	4.00	mg/kg	100		104	80-120			
-------------------	-----	------	-------	-----	--	-----	--------	--	--	--

LCS Dup (5112009-BSD1) Prepared & Analyzed: 20-Nov-15

Alkalinity, Carbonate	ND	0.00	mg/kg				80-120		20	
-----------------------	----	------	-------	--	--	--	--------	--	----	--

Alkalinity, Bicarbonate	126	5.00	mg/kg				80-120	0.00	20	
-------------------------	-----	------	-------	--	--	--	--------	------	----	--

Alkalinity, Total	104	4.00	mg/kg	100		104	80-120	0.00	20	
-------------------	-----	------	-------	-----	--	-----	--------	------	----	--

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages: Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage 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 the services hereunder by Cardinal, regardless of whether any claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

T-N-T ENVIRONMENTAL 70 OJITO ROAD LINDRITH NM, 87029	Project: QUARTERLY VADOZE	Reported:
	Project Number: NONE GIVEN	02-Dec-15 13:11
	Project Manager: CRAIG SCHMITZ	
	Fax To: (575) 774-9116	

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

**Cardinal Laboratories**

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

**Batch 5111107 - Volatiles**

Blank (5111107-BLK1)		Prepared & Analyzed: 11-Nov-15								
Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	ND		mg/kg	0.0500		98.2	73.6-140			

LCS (5111107-BS1)		Prepared: 11-Nov-15 Analyzed: 12-Nov-15								
Benzene	2.03	0.050	mg/kg	2.00		102	82.6-122			
Toluene	2.24	0.050	mg/kg	2.00		112	72.9-122			
Ethylbenzene	2.07	0.050	mg/kg	2.00		103	65.4-131			
Total Xylenes	6.52	0.150	mg/kg	6.00		109	73.8-125			
Surrogate: 4-Bromofluorobenzene (PID)	0.0498		mg/kg	0.0500		99.7	73.6-140			

LCS Dup (5111107-BSD1)		Prepared: 11-Nov-15 Analyzed: 12-Nov-15								
Benzene	2.08	0.050	mg/kg	2.00		104	82.6-122	2.29	8.23	
Toluene	2.33	0.050	mg/kg	2.00		116	72.9-122	3.59	8.71	
Ethylbenzene	2.17	0.050	mg/kg	2.00		108	65.4-131	4.73	9.46	
Total Xylenes	6.83	0.150	mg/kg	6.00		114	73.8-125	4.56	8.66	
Surrogate: 4-Bromofluorobenzene (PID)	0.0511		mg/kg	0.0500		102	73.6-140			

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analysis. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage 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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated causes or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

T-N-T ENVIRONMENTAL 70 OJITO ROAD LINDRITH NM, 87029	Project: QUARTERLY VADOZE Project Number: NONE GIVEN Project Manager: CRAIG SCHMITZ Fax To: (575) 774-9116	Reported: 02-Dec-15 13:11
--	---	------------------------------

**Petroleum Hydrocarbons by GC FID - Quality Control**

**Cardinal Laboratories**

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

**Batch 5110802 - General Prep - Organics**

<b>Blank (5110802-BLK1)</b>				Prepared: 08-Nov-15 Analyzed: 10-Nov-15						
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C35	ND	10.0	mg/kg							
Total TPH C6-C28	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	46.9		mg/kg	50.0		93.7	35-147			
Surrogate: 1-Chlorooctadecane	49.8		mg/kg	50.0		99.7	28-171			

<b>LCS (5110802-BS1)</b>				Prepared: 08-Nov-15 Analyzed: 10-Nov-15						
GRO C6-C10	185	10.0	mg/kg	200		92.4	76.7-115			
DRO >C10-C28	180	10.0	mg/kg	200		90.2	78.3-122			
Total TPH C6-C28	365	10.0	mg/kg	400		91.3	79.8-117			
Surrogate: 1-Chlorooctane	48.2		mg/kg	50.0		96.5	35-147			
Surrogate: 1-Chlorooctadecane	51.9		mg/kg	50.0		104	28-171			

<b>LCS Dup (5110802-BSD1)</b>				Prepared: 08-Nov-15 Analyzed: 10-Nov-15						
GRO C6-C10	194	10.0	mg/kg	200		97.0	76.7-115	4.84	9.42	
DRO >C10-C28	189	10.0	mg/kg	200		94.4	78.3-122	4.55	13.2	
Total TPH C6-C28	383	10.0	mg/kg	400		95.7	79.8-117	4.69	10.7	
Surrogate: 1-Chlorooctane	50.8		mg/kg	50.0		102	35-147			
Surrogate: 1-Chlorooctadecane	54.5		mg/kg	50.0		109	28-171			

**Batch 5110907 - General Prep - Organics**

<b>Blank (5110907-BLK1)</b>				Prepared: 09-Nov-15 Analyzed: 10-Nov-15						
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C35	ND	10.0	mg/kg							
Total TPH C6-C28	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	47.8		mg/kg	50.0		95.6	35-147			
Surrogate: 1-Chlorooctadecane	51.4		mg/kg	50.0		103	28-171			

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage 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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

T-N-T ENVIRONMENTAL 70 OJITO ROAD LINDRITH NM, 87029	Project: QUARTERLY VADOZE Project Number: NONE GIVEN Project Manager: CRAIG SCHMITZ Fax To: (575) 774-9116	Reported: 02-Dec-15 13:11
--	---	------------------------------

**Petroleum Hydrocarbons by GC FID - Quality Control**

**Cardinal Laboratories**

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

**Batch 5110907 - General Prep - Organics**

LCS (5110907-BS1)		Prepared: 09-Nov-15 Analyzed: 10-Nov-15									
GRO C6-C10	184	10.0	mg/kg	200		92.2	76.7-115				
DRO >C10-C28	176	10.0	mg/kg	200		87.9	78.3-122				
Total TPH C6-C28	360	10.0	mg/kg	400		90.0	79.8-117				
Surrogate: 1-Chlorooctane	47.2		mg/kg	50.0		94.3	35-147				
Surrogate: 1-Chlorooctadecane	49.4		mg/kg	50.0		98.7	28-171				
LCS Dup (5110907-BSD1)		Prepared: 09-Nov-15 Analyzed: 10-Nov-15									
GRO C6-C10	193	10.0	mg/kg	200		96.6	76.7-115	4.70	9.42		
DRO >C10-C28	190	10.0	mg/kg	200		95.1	78.3-122	7.82	13.2		
Total TPH C6-C28	383	10.0	mg/kg	400		95.8	79.8-117	6.24	10.7		
Surrogate: 1-Chlorooctane	49.6		mg/kg	50.0		99.3	35-147				
Surrogate: 1-Chlorooctadecane	52.9		mg/kg	50.0		106	28-171				

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage 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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

T-N-T ENVIRONMENTAL 70 OJITO ROAD LINDRITH NM, 87029	Project: QUARTERLY VADOZE Project Number: NONE GIVEN Project Manager: CRAIG SCHMITZ Fax To: (575) 774-9116	Reported: 02-Dec-15 13:11
--	---	------------------------------

**General Chemistry - Quality Control  
Green Analytical Laboratories**

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

**Batch B511109 - General Prep - Wet Chem**

<b>Duplicate (B511109-DUP2)</b>	<b>Source: H502952-10</b>		<b>Prepared &amp; Analyzed: 11-Nov-15</b>							
% Dry Solids	84.2		%		84.1			0.107	20	

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable services. In no event shall Cardinal be liable for incidental or consequential damage 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 the services hereunder by Cardinal, regardless of whether an claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celestine D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

T-N-T ENVIRONMENTAL 70 QJITO ROAD LINDRITH NM, 87029	Project: QUARTERLY VADOZE Project Number: NONE GIVEN Project Manager: CRAIG SCHMITZ Fax To: (575) 774-9116	Reported: 02-Dec-15 13:11
--	---	------------------------------

**Total Metals by ICP - Quality Control  
Green Analytical Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B511119 - EPA 3050</b>										
<b>Blank (B511119-BLK1)</b>										
Prepared: 12-Nov-15 Analyzed: 18-Nov-15										
Lead	ND	0.100	mg/kg dry							
Arsenic	ND	0.100	mg/kg dry							
Sodium	ND	2.00	mg/kg dry							
Selenium	ND	0.200	mg/kg dry							
Potassium	ND	2.00	mg/kg dry							
Silver	ND	0.050	mg/kg dry							
Chromium	ND	0.050	mg/kg dry							
Calcium	ND	1.00	mg/kg dry							
Cadmium	ND	0.050	mg/kg dry							
Magnesium	ND	1.00	mg/kg dry							
Barium	ND	0.010	mg/kg dry							
<b>LCS (B511119-BS1)</b>										
Prepared: 12-Nov-15 Analyzed: 18-Nov-15										
Magnesium	20.6	1.00	mg/kg dry	20.0		103	85-115			
Silver	0.101	0.050	mg/kg dry	0.100		101	85-115			
Lead	2.02	0.100	mg/kg dry	2.00		101	85-115			
Sodium	6.53	2.00	mg/kg dry	6.48		101	85-115			
Selenium	7.97	0.200	mg/kg dry	8.00		99.6	85-115			
Calcium	4.22	1.00	mg/kg dry	4.00		105	85-115			
Barium	1.97	0.010	mg/kg dry	2.00		98.3	85-115			
Cadmium	1.93	0.050	mg/kg dry	2.00		96.5	85-115			
Potassium	8.14	2.00	mg/kg dry	8.00		102	85-115			
Arsenic	3.92	0.100	mg/kg dry	4.00		97.9	85-115			
Chromium	2.06	0.050	mg/kg dry	2.00		103	85-115			
<b>LCS Dup (B511119-BSD1)</b>										
Prepared: 12-Nov-15 Analyzed: 18-Nov-15										
Arsenic	3.98	0.100	mg/kg dry	4.00		99.5	85-115	1.65	20	
Barium	1.96	0.010	mg/kg dry	2.00		97.8	85-115	0.485	20	
Sodium	6.51	2.00	mg/kg dry	6.48		101	85-115	0.319	20	
Silver	0.099	0.050	mg/kg dry	0.100		99.0	85-115	2.12	20	
Calcium	4.18	1.00	mg/kg dry	4.00		104	85-115	0.899	20	
Chromium	2.05	0.050	mg/kg dry	2.00		102	85-115	0.558	20	
Lead	2.04	0.100	mg/kg dry	2.00		102	85-115	0.750	20	

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages: Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage 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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

T-N-T ENVIRONMENTAL 70 OJITO ROAD LINDRITH NM, 87029	Project: QUARTERLY VADOZE Project Number: NONE GIVEN Project Manager: CRAIG SCHMITZ Fax To: (575) 774-9116	Reported: 02-Dec-15 13:11
--	---	------------------------------

**Total Metals by ICP - Quality Control**

**Green Analytical Laboratories**

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

**Batch B511119 - EPA 3050**

LCS Dup (B511119-BSD1)		Prepared: 12-Nov-15 Analyzed: 18-Nov-15								
Magnesium	20.6	1.00	mg/kg dry	20.0		103	85-115	0.0512	20	
Selenium	7.93	0.200	mg/kg dry	8.00		99.1	85-115	0.515	20	
Cadmium	1.92	0.050	mg/kg dry	2.00		96.1	85-115	0.484	20	
Potassium	7.89	2.00	mg/kg dry	8.00		98.6	85-115	3.19	20	

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analysis. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage 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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

T-N-T ENVIRONMENTAL 70 OJITO ROAD LINDRITH NM, 87029	Project: QUARTERLY VADOZE Project Number: NONE GIVEN Project Manager: CRAIG SCHMITZ Fax To: (575) 774-9116	Reported: 02-Dec-15 13:11
--	---	------------------------------

**Total Mercury by CVAA - Quality Control**

**Green Analytical Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B511186 - EPA 7471</b>										
<b>Blank (B511186-BLK1)</b>					Prepared & Analyzed: 18-Nov-15					
Mercury	ND	0.0002	mg kg wet							
<b>LCS (B511186-BS1)</b>					Prepared & Analyzed: 18-Nov-15					
Mercury	0.0022	0.0002	mg kg wet	0.00200		108	85-115			
<b>LCS Dup (B511186-BSD1)</b>					Prepared & Analyzed: 18-Nov-15					
Mercury	0.0023	0.0002	mg kg wet	0.00200		113	85-115	3.80	20	

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analysis. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage 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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

*Celest D. Keene*

Celest D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

- H1 Sample was received several days after collected and subsequently analyzed past hold time.
- 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

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage 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 the services hereunder by Cardinal, regardless of whether any claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager





**GAI Analytical**  
LABORATORY

(870) 847-4220  
Fax: (870) 247-4227

service@gsenanalytical.com or dsufell@gsenanalytical.com  
75 Suttle St Durango, CO 81303

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

20F2

Company Name: **T&T Environmental Inc.** P.O. #:   
 Project Manager: **70 CR 405**   
 Address: **70 CR 405** State: **NM**, Zip: **87029**   
 City: **HIDEETH**   
 Phone #: **575-774-8504** Email: **Schwartzent@t&t.com**   
 Additional Report To:   
 Project Name: **QUARTERLY VADOZE**   
 Project Number:   
 Sampler Name (Print):   
 FOR LAB USE ONLY:   
 Matrix (check one):   
 # of containers:   
 ANALYSIS REQUEST

Lab ID.	Sample Name or Location	Collected		Matrix (check one)		# of containers		ANALYSIS REQUEST
		Date	Time	GROUNDWATER	SURFACEWATER	WASTEWATER	PRODUCEDWATER	
11	CELL # 11	11-4-15	2:06	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	T.P.H 8015 M EXTENDED
12	#12		2:30	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	BTEX 8021B
13	#13		3:00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	CHLORIDE SM 4500 CI-B
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	MAJOR CATIONS, ANIONS
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8 RCRA METALS 6010 B

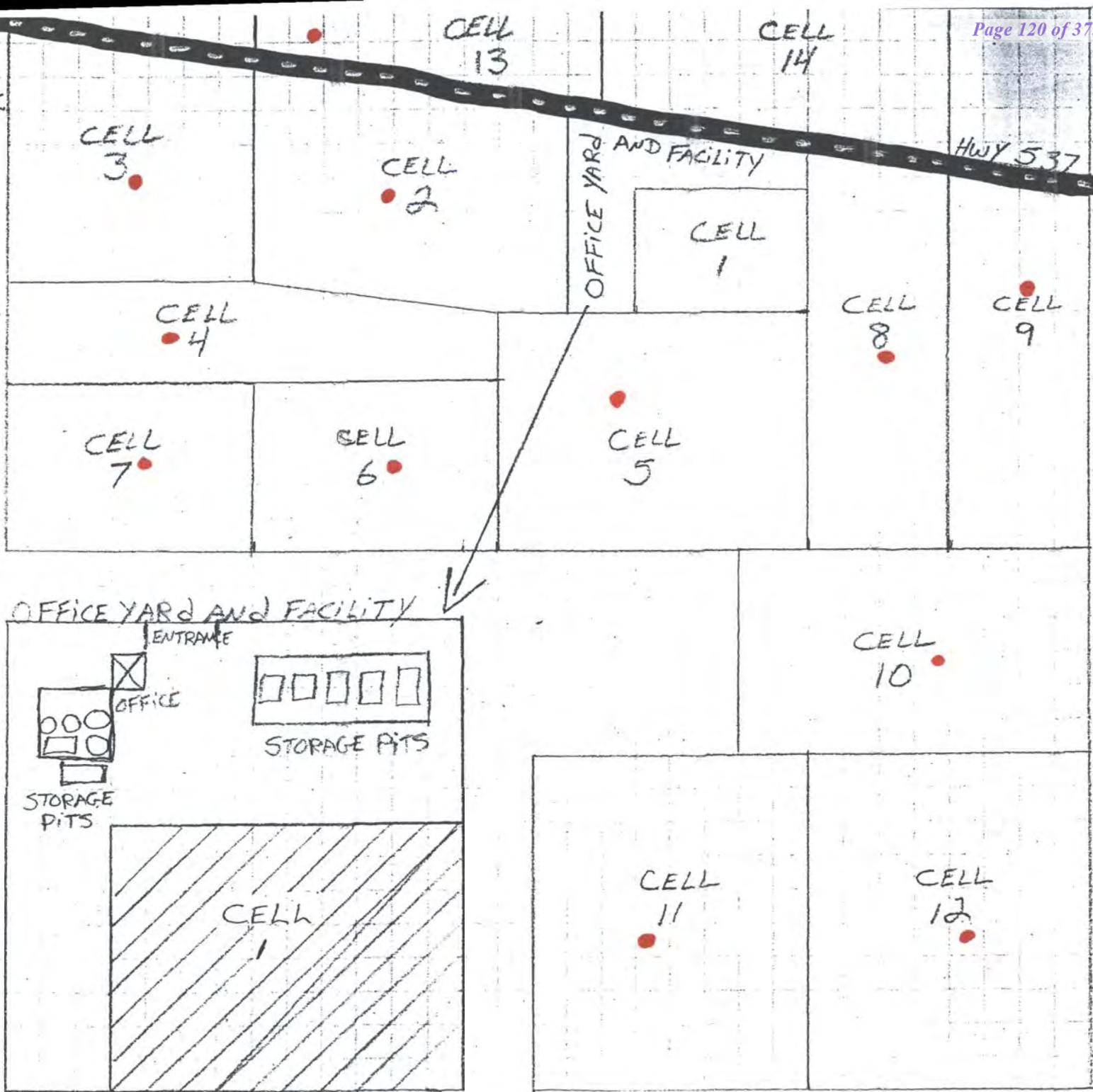
PREPARE: GAI's facility and client's records ready for any claim arising whether based in contract or tort, shall be limited to the amount paid by you direct to the subject. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by GAI within 90 days after completion. In no event shall GAI, its clients, its subcontractors or consultants, including without limitation, business investigators, insurance adjusters, loss adjusters, or any other person involved in the investigation, be liable for any damages, including without limitation, those for loss of profits, loss of income, or loss of business, arising out of or related to the performance of services rendered by GAI, regardless of whether such claim is based upon any of the above-stated provisions or otherwise.

Refinushed By: **MAURIN CLARK** Date: **11/5/15** Received By: **MAURIN CLARK**   
 Refinushed By: **MAURIN CLARK** Date: **11/15/15** Received By: **Fed Ex**   
 Refinushed By: **MAURIN CLARK** Date: **1/10/16** Received By: **Spide Hudson**   
 Delivered By: (Circle One) **#54** Temperature at receipt: **2.8°C**   
 Sampler - UPS - FedEx - Kangaroo - Other:   
 CHECKER BY: **[Signature]**   
 ADDITIONAL REMARKS:   
 Report to State? (Circle) **Yes**   
 ONE RANDOM SAMPLE PER CELL   
 TAKEN AT 2' TO 3' FEET BELOW   
 NATIVE SURFACE

\* Chain of Custody must be signed in "Refinushed By:" as an acceptance of services and all applicable charges.   
 † GAI cannot always accept verbal changes. Please fax or email written change requests.

TNT ENVIRONMENTAL INC  
7005 TO RD  
LINDRITH NM 87029

HAND FARM MAP  
PERMIT NM-01-0008  
SEC. 5 & 8 T25N R3W



DATE 2010  
6/24/16

VADOSE



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

July 21, 2016

CRAIG SCHMITZ  
T-N-T ENVIRONMENTAL  
70 OJITO ROAD  
LINDRITH, NM 87029

RE: QUARTERLY VADOZE

Enclosed are the results of analyses for samples received by the laboratory on 06/28/16 9:25.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

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

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

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

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

Sincerely,

Celey D. Keene  
Lab Director/Quality Manager



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

**Analytical Results For:**

T-N-T ENVIRONMENTAL 70 OJITO ROAD LINDRITH NM, 87029	Project: QUARTERLY VADOZE Project Number: NONE GIVEN Project Manager: CRAIG SCHMITZ Fax To: (575) 774-9116	Reported: 21-Jul-16 16:35
--	---	------------------------------

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
CELL # 2	H601430-02	Soil	22-Jun-16 08:30	28-Jun-16 09:25
CELL # 3	H601430-03	Soil	22-Jun-16 09:00	28-Jun-16 09:25
CELL # 4	H601430-04	Soil	22-Jun-16 09:30	28-Jun-16 09:25
CELL # 5	H601430-05	Soil	22-Jun-16 10:00	28-Jun-16 09:25
CELL # 6	H601430-06	Soil	22-Jun-16 10:30	28-Jun-16 09:25
CELL # 7	H601430-07	Soil	22-Jun-16 11:00	28-Jun-16 09:25
CELL # 8	H601430-08	Soil	22-Jun-16 11:30	28-Jun-16 09:25
CELL # 9	H601430-09	Soil	22-Jun-16 12:00	28-Jun-16 09:25
CELL # 10	H601430-10	Soil	22-Jun-16 13:30	28-Jun-16 09:25
CELL # 11	H601430-11	Soil	22-Jun-16 14:00	28-Jun-16 09:25
CELL # 12	H601430-12	Soil	22-Jun-16 14:30	28-Jun-16 09:25
CELL # 13	H601430-13	Soil	22-Jun-16 15:00	28-Jun-16 09:25

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage 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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

T-N-T ENVIRONMENTAL 70 OJITO ROAD LINDRITH NM, 87029	Project: QUARTERLY VADOZE	Reported:
	Project Number: NONE GIVEN	21-Jul-16 16:35
	Project Manager: CRAIG SCHMITZ	
	Fax To: (575) 774-9116	

**CELL # 2**  
**H601430-02 (Soil)**

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

**Cardinal Laboratories**

**Inorganic Compounds**

Alkalinity, Bicarbonate	488		20.0	mg/kg	1	6071107	AP	14-Jul-16	310.1	
Alkalinity, Carbonate	<4.00		4.00	mg/kg	1	6071107	AP	14-Jul-16	310.1	
Chloride	<16.0		16.0	mg/kg	4	6062904	AP	29-Jun-16	4500-Cl-B	
Conductivity	397		1.00	uS/cm	1	6070503	AP	05-Jul-16	120.1	
pH*	7.30		0.100	pH Units	1	6062808	AP	29-Jun-16	9045	
Sulfate	<40.0		40.0	mg/kg	4	6071106	AP	11-Jul-16	375.4	
Alkalinity, Total*	400		16.0	mg/kg	1	6071107	AP	14-Jul-16	310.1	

**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	6062901	MS	29-Jun-16	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6062901	MS	29-Jun-16	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6062901	MS	29-Jun-16	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6062901	MS	29-Jun-16	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6062901	MS	29-Jun-16	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			97.1 %	73.6-140		6062901	MS	29-Jun-16	8021B	

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10	<10.0		10.0	mg/kg	1	6062812	MS	29-Jun-16	8015B	
DRO >C10-C28	<10.0		10.0	mg/kg	1	6062812	MS	29-Jun-16	8015B	
EXT DRO >C28-C35	<10.0		10.0	mg/kg	1	6062812	MS	29-Jun-16	8015B	
Surrogate: 1-Chlorooctane			80.2 %	35-147		6062812	MS	29-Jun-16	8015B	
Surrogate: 1-Chlorooctadecane			87.0 %	28-171		6062812	MS	29-Jun-16	8015B	

**Green Analytical Laboratories**

**General Chemistry**

% Dry Solids	98.3			%	1	B607087	LLG	13-Jul-16	ASA#9 & SSSA#5	H1
--------------	------	--	--	---	---	---------	-----	-----------	----------------	----

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage 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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

T-N-T ENVIRONMENTAL 70 OJITO ROAD LINDRITH NM, 87029	Project: QUARTERLY VADOZE Project Number: NONE GIVEN Project Manager: CRAIG SCHMITZ Fax To: (575) 774-9116	Reported: 21-Jul-16 16:35
--	---	------------------------------

**CELL # 2  
H601430-02 (Soil)**

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

**Green Analytical Laboratories**

**Total Metals by ICP**

Arsenic	<10.0		10.0	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
<b>Barium</b>	<b>88.4</b>		1.00	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Cadmium	<5.00		5.00	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
<b>Calcium</b>	<b>3340</b>		100	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
<b>Chromium</b>	<b>14.5</b>		5.00	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Lead	<10.0		10.0	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
<b>Magnesium</b>	<b>3200</b>		100	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
<b>Potassium</b>	<b>1940</b>		200	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Selenium	<20.0		20.0	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Silver	<5.00		5.00	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Sodium	<200		200	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	

**Total Mercury by CVAA**

Mercury	<0.102		0.102	mg/kg dry	500	B607010	LLG	08-Jul-16	EPA7471	
---------	--------	--	-------	-----------	-----	---------	-----	-----------	---------	--

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage 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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

T-N-T ENVIRONMENTAL 70 OJITO ROAD LINDRITH NM, 87029	Project: QUARTERLY VADOZE Project Number: NONE GIVEN Project Manager: CRAIG SCHMITZ Fax To: (575) 774-9116	Reported: 21-Jul-16 16:35
--	---	------------------------------

**CELL # 3**  
**H601430-03 (Soil)**

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

**Cardinal Laboratories**

**Inorganic Compounds**

Alkalinity, Bicarbonate	351		20.0	mg/kg	1	6071107	AP	14-Jul-16	310.1	
Alkalinity, Carbonate	<4.00		4.00	mg/kg	1	6071107	AP	14-Jul-16	310.1	
Chloride	<16.0		16.0	mg/kg	4	6062904	AP	29-Jun-16	4500-Cl-B	
Conductivity	318		1.00	uS/cm	1	6070503	AP	05-Jul-16	120.1	
pH*	7.28		0.100	pH Units	1	6062808	AP	29-Jun-16	9045	
Sulfate	<40.0		40.0	mg/kg	4	6071106	AP	11-Jul-16	375.4	
Alkalinity, Total*	288		16.0	mg/kg	1	6071107	AP	14-Jul-16	310.1	

**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	6062901	MS	29-Jun-16	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6062901	MS	29-Jun-16	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6062901	MS	29-Jun-16	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6062901	MS	29-Jun-16	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6062901	MS	29-Jun-16	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			96.1 %	73.6-140		6062901	MS	29-Jun-16	8021B	

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10	<10.0		10.0	mg/kg	1	6062812	MS	29-Jun-16	8015B	
DRO >C10-C28	<10.0		10.0	mg/kg	1	6062812	MS	29-Jun-16	8015B	
EXT DRO >C28-C35	<10.0		10.0	mg/kg	1	6062812	MS	29-Jun-16	8015B	
Surrogate: 1-Chlorooctane			81.8 %	35-147		6062812	MS	29-Jun-16	8015B	
Surrogate: 1-Chlorooctadecane			82.4 %	28-171		6062812	MS	29-Jun-16	8015B	

**Green Analytical Laboratories**

**General Chemistry**

% Dry Solids	98.1			%	1	B607087	LLG	13-Jul-16	ASA#9 & SSSA#5	H1
--------------	------	--	--	---	---	---------	-----	-----------	-------------------	----

**Cardinal Laboratories**

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage 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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

*Celestine Keene*

Celestine D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

T-N-T ENVIRONMENTAL 70 QJITO ROAD LINDRITH NM, 87029	Project: QUARTERLY VADOZE Project Number: NONE GIVEN Project Manager: CRAIG SCHMITZ Fax To: (575) 774-9116	Reported: 21-Jul-16 16:35
--	---	------------------------------

**CELL # 3  
H601430-03 (Soil)**

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

**Green Analytical Laboratories**

**Total Metals by ICP**

Arsenic	<10.0		10.0	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
<b>Barium</b>	<b>91.8</b>		1.00	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Cadmium	<5.00		5.00	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
<b>Calcium</b>	<b>3510</b>		100	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
<b>Chromium</b>	<b>14.3</b>		5.00	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Lead	<10.0		10.0	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
<b>Magnesium</b>	<b>3270</b>		100	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
<b>Potassium</b>	<b>1590</b>		200	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Selenium	<20.0		20.0	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Silver	<5.00		5.00	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Sodium	<200		200	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	

**Total Mercury by CVAA**

Mercury	<0.102		0.102	mg/kg dry	500	B607010	LLG	08-Jul-16	EPA7471	
---------	--------	--	-------	-----------	-----	---------	-----	-----------	---------	--

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage 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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

T-N-T ENVIRONMENTAL 70 OJITO ROAD LINDRITH NM, 87029	Project: QUARTERLY VADOZE Project Number: NONE GIVEN Project Manager: CRAIG SCHMITZ Fax To: (575) 774-9116	Reported: 21-Jul-16 16:35
--	---	------------------------------

**CELL # 4**  
**H601430-04 (Soil)**

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

**Cardinal Laboratories**

**Inorganic Compounds**

Alkalinity, Bicarbonate	370		20.0	mg/kg	1	6071107	AP	14-Jul-16	310.1	
Alkalinity, Carbonate	<4.00		4.00	mg/kg	1	6071107	AP	14-Jul-16	310.1	
Chloride	<16.0		16.0	mg/kg	4	6062904	AP	29-Jun-16	4500-Cl-B	
Conductivity	376		1.00	uS/cm	1	6070503	AP	05-Jul-16	120.1	
pH*	7.31		0.100	pH Units	1	6062808	AP	29-Jun-16	9045	
Sulfate	<40.0		40.0	mg/kg	4	6071106	AP	11-Jul-16	375.4	
Alkalinity, Total*	304		16.0	mg/kg	1	6071107	AP	14-Jul-16	310.1	

**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	6062901	MS	29-Jun-16	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6062901	MS	29-Jun-16	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6062901	MS	29-Jun-16	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6062901	MS	29-Jun-16	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6062901	MS	29-Jun-16	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			98.7 %	73.6-140		6062901	MS	29-Jun-16	8021B	

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10	<10.0		10.0	mg/kg	1	6062812	MS	29-Jun-16	8015B	
DRO >C10-C28	<10.0		10.0	mg/kg	1	6062812	MS	29-Jun-16	8015B	
EXT DRO >C28-C35	<10.0		10.0	mg/kg	1	6062812	MS	29-Jun-16	8015B	
Surrogate: 1-Chlorooctane			79.0 %	35-147		6062812	MS	29-Jun-16	8015B	
Surrogate: 1-Chlorooctadecane			88.7 %	28-171		6062812	MS	29-Jun-16	8015B	

**Green Analytical Laboratories**

**General Chemistry**

% Dry Solids	98.1			%	1	B607087	LLG	13-Jul-16	ASA#9 & SSSA#5	H1
--------------	------	--	--	---	---	---------	-----	-----------	----------------	----

**Cardinal Laboratories**

\* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage 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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

T-N-T ENVIRONMENTAL 70 QJITO ROAD LINDRITH NM, 87029	Project: QUARTERLY VADOZE Project Number: NONE GIVEN Project Manager: CRAIG SCHMITZ Fax To: (575) 774-9116	Reported: 21-Jul-16 16:35
--	---	------------------------------

**CELL # 4**

**H601430-04 (Soil)**

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

**Green Analytical Laboratories**

**Total Metals by ICP**

Arsenic	<10.0		10.0	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Barium	97.5		1.00	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Cadmium	<5.00		5.00	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Calcium	4310		100	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Chromium	17.3		5.00	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Lead	<10.0		10.0	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Magnesium	3910		100	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Potassium	1730		200	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Selenium	<20.0		20.0	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Silver	<5.00		5.00	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Sodium	<200		200	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	

**Total Mercury by CVAA**

Mercury	<0.102		0.102	mg/kg dry	500	B607010	LLG	08-Jul-16	EPA7471	
---------	--------	--	-------	-----------	-----	---------	-----	-----------	---------	--

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage 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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

T-N-T ENVIRONMENTAL 70 OJITO ROAD LINDRITH NM, 87029	Project: QUARTERLY VADOZE Project Number: NONE GIVEN Project Manager: CRAIG SCHMITZ Fax To: (575) 774-9116	Reported: 21-Jul-16 16:35
--	---	------------------------------

**CELL # 5  
H601430-05 (Soil)**

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

**Cardinal Laboratories**

**Inorganic Compounds**

Alkalinity, Bicarbonate	370		20.0	mg/kg	1	6071107	AP	14-Jul-16	310.1	
Alkalinity, Carbonate	<4.00		4.00	mg/kg	1	6071107	AP	14-Jul-16	310.1	
Chloride	<16.0		16.0	mg/kg	4	6062904	AP	29-Jun-16	4500-Cl-B	
Conductivity	329		1.00	uS/cm	1	6070503	AP	05-Jul-16	120.1	
pH*	7.36		0.100	pH Units	1	6062808	AP	29-Jun-16	9045	
Sulfate	<40.0		40.0	mg/kg	4	6071106	AP	11-Jul-16	375.4	
Alkalinity, Total*	304		16.0	mg/kg	1	6071107	AP	14-Jul-16	310.1	

**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	6062901	MS	29-Jun-16	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6062901	MS	29-Jun-16	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6062901	MS	29-Jun-16	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6062901	MS	29-Jun-16	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6062901	MS	29-Jun-16	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			96.9 %	73.6-140		6062901	MS	29-Jun-16	8021B	

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10	<10.0		10.0	mg/kg	1	6062812	MS	29-Jun-16	8015B	
DRO >C10-C28	<10.0		10.0	mg/kg	1	6062812	MS	29-Jun-16	8015B	
EXT DRO >C28-C35	<10.0		10.0	mg/kg	1	6062812	MS	29-Jun-16	8015B	
Surrogate: 1-Chlorooctane			82.0 %	35-147		6062812	MS	29-Jun-16	8015B	
Surrogate: 1-Chlorooctadecane			79.5 %	28-171		6062812	MS	29-Jun-16	8015B	

**Green Analytical Laboratories**

**General Chemistry**

% Dry Solids	97.7			%	1	B607087	LLG	13-Jul-16	ASA#9 & SSSA#5	H1
--------------	------	--	--	---	---	---------	-----	-----------	-------------------	----

**Cardinal Laboratories**

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage 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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

T-N-T ENVIRONMENTAL 70 OJITO ROAD LINDRITH NM, 87029	Project: QUARTERLY VADOZE Project Number: NONE GIVEN Project Manager: CRAIG SCHMITZ Fax To: (575) 774-9116	Reported: 21-Jul-16 16:35
--	---	------------------------------

**CELL # 5**  
**H601430-05 (Soil)**

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

**Green Analytical Laboratories**

**Total Metals by ICP**

Arsenic	<10.0		10.0	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
<b>Barium</b>	<b>89.7</b>		1.00	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Cadmium	<5.00		5.00	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Calcium	<b>9040</b>		100	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Chromium	<b>16.0</b>		5.00	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Lead	<10.0		10.0	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Magnesium	<b>3560</b>		100	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Potassium	<b>1620</b>		200	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Selenium	<20.0		20.0	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Silver	<5.00		5.00	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Sodium	<200		200	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	

**Total Mercury by CVAA**

Mercury	<0.102		0.102	mg/kg dry	500	B607010	LLG	08-Jul-16	EPA7471	
---------	--------	--	-------	-----------	-----	---------	-----	-----------	---------	--

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage, 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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

T-N-T ENVIRONMENTAL 70 OJITO ROAD LINDRITH NM, 87029	Project: QUARTERLY VADOZE Project Number: NONE GIVEN Project Manager: CRAIG SCHMITZ Fax To: (575) 774-9116	Reported: 21-Jul-16 16:35
--	---	------------------------------

**CELL # 6**  
**H601430-06 (Soil)**

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

**Cardinal Laboratories**

**Inorganic Compounds**

Alkalinity, Bicarbonate	429		20.0	mg/kg	1	6071107	AP	14-Jul-16	310.1	
Alkalinity, Carbonate	<4.00		4.00	mg/kg	1	6071107	AP	14-Jul-16	310.1	
Chloride	<16.0		16.0	mg/kg	4	6062904	AP	29-Jun-16	4500-Cl-B	
Conductivity	464		1.00	uS/cm	1	6070503	AP	05-Jul-16	120.1	
pH*	7.46		0.100	pH Units	1	6062808	AP	29-Jun-16	9045	
Sulfate	<40.0		40.0	mg/kg	4	6071106	AP	11-Jul-16	375.4	
Alkalinity, Total*	352		16.0	mg/kg	1	6071107	AP	14-Jul-16	310.1	

**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	6062901	MS	29-Jun-16	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6062901	MS	29-Jun-16	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6062901	MS	29-Jun-16	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6062901	MS	29-Jun-16	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6062901	MS	29-Jun-16	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			98.1 %	73.6-140		6062901	MS	29-Jun-16	8021B	

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10	<10.0		10.0	mg/kg	1	6062812	MS	29-Jun-16	8015B	
DRO >C10-C28	<10.0		10.0	mg/kg	1	6062812	MS	29-Jun-16	8015B	
EXT DRO >C28-C35	<10.0		10.0	mg/kg	1	6062812	MS	29-Jun-16	8015B	
Surrogate: 1-Chlorooctane			80.4 %	35-147		6062812	MS	29-Jun-16	8015B	
Surrogate: 1-Chlorooctadecane			75.4 %	28-171		6062812	MS	29-Jun-16	8015B	

**Green Analytical Laboratories**

**General Chemistry**

% Dry Solids	97.9			%	1	B607087	LLG	13-Jul-16	ASA#9 & SSSA#5	H1
--------------	------	--	--	---	---	---------	-----	-----------	-------------------	----

**Cardinal Laboratories**

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage 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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

T-N-T ENVIRONMENTAL 70 OJITO ROAD LINDRITH NM, 87029	Project: QUARTERLY VADOZE Project Number: NONE GIVEN Project Manager: CRAIG SCHMITZ Fax To: (575) 774-9116	Reported: 21-Jul-16 16:35
--	---	------------------------------

**CELL # 6  
H601430-06 (Soil)**

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

**Green Analytical Laboratories**

**Total Metals by ICP**

Arsenic	<10.0		10.0	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
<b>Barium</b>	<b>108</b>		1.00	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Cadmium	<5.00		5.00	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
<b>Calcium</b>	<b>4130</b>		100	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
<b>Chromium</b>	<b>18.2</b>		5.00	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Lead	<10.0		10.0	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
<b>Magnesium</b>	<b>4030</b>		100	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
<b>Potassium</b>	<b>2240</b>		200	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Selenium	<20.0		20.0	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Silver	<5.00		5.00	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Sodium	<200		200	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	

**Total Mercury by CVAA**

Mercury	<0.102		0.102	mg/kg dry	500	B607010	LLG	08-Jul-16	EPA7471	
---------	--------	--	-------	-----------	-----	---------	-----	-----------	---------	--

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage 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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

T-N-T ENVIRONMENTAL 70 OJITO ROAD LINDRITH NM, 87029	Project: QUARTERLY VADOZE Project Number: NONE GIVEN Project Manager: CRAIG SCHMITZ Fax To: (575) 774-9116	Reported: 21-Jul-16 16:35
--	---	------------------------------

**CELL # 7**  
**H601430-07 (Soil)**

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

**Cardinal Laboratories**

**Inorganic Compounds**

Alkalinity, Bicarbonate	352		20.0	mg/kg	1	6071107	AP	14-Jul-16	310.1	
Alkalinity, Carbonate	<4.00		4.00	mg/kg	1	6071107	AP	14-Jul-16	310.1	
Chloride	<16.0		16.0	mg/kg	4	6062904	AP	29-Jun-16	4500-Cl-B	
Conductivity	329		1.00	uS/cm	1	6070503	AP	05-Jul-16	120.1	
pH*	7.38		0.100	pH Units	1	6062808	AP	29-Jun-16	9045	
Sulfate	<40.0		40.0	mg/kg	4	6071106	AP	11-Jul-16	375.4	
Alkalinity, Total*	288		16.0	mg/kg	1	6071107	AP	14-Jul-16	310.1	

**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	6062901	MS	29-Jun-16	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6062901	MS	29-Jun-16	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6062901	MS	29-Jun-16	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6062901	MS	29-Jun-16	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6062901	MS	29-Jun-16	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			96.6 %			73.6-140	6062901	MS	29-Jun-16	8021B

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10	<10.0		10.0	mg/kg	1	6062812	MS	29-Jun-16	8015B	
DRO >C10-C28	<10.0		10.0	mg/kg	1	6062812	MS	29-Jun-16	8015B	
EXT DRO >C28-C35	<10.0		10.0	mg/kg	1	6062812	MS	29-Jun-16	8015B	
Surrogate: 1-Chlorooctane			86.1 %			35-147	6062812	MS	29-Jun-16	8015B
Surrogate: 1-Chlorooctadecane			82.2 %			28-171	6062812	MS	29-Jun-16	8015B

**Green Analytical Laboratories**

**General Chemistry**

% Dry Solids	97.5			%	1	B607087	LLG	13-Jul-16	ASA#9 & SSSA#5	H1
--------------	------	--	--	---	---	---------	-----	-----------	-------------------	----

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage 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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

T-N-T ENVIRONMENTAL 70 OJITO ROAD LINDRITH NM, 87029	Project: QUARTERLY VADOZE Project Number: NONE GIVEN Project Manager: CRAIG SCHMITZ Fax To: (575) 774-9116	Reported: 21-Jul-16 16:35
--	---	------------------------------

**CELL # 7**  
**H601430-07 (Soil)**

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

**Green Analytical Laboratories**

**Total Metals by ICP**

Arsenic	<10.0		10.0	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Barium	<b>111</b>		1.00	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Cadmium	<5.00		5.00	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Calcium	<b>4400</b>		100	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Chromium	<b>16.6</b>		5.00	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Lead	<10.0		10.0	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Magnesium	<b>3810</b>		100	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Potassium	<b>1980</b>		200	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Selenium	<20.0		20.0	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Silver	<5.00		5.00	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Sodium	<200		200	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	

**Total Mercury by CVAA**

Mercury	<0.103		0.103	mg/kg dry	500	B607010	LLG	08-Jul-16	EPA7471	
---------	--------	--	-------	-----------	-----	---------	-----	-----------	---------	--

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage 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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

T-N-T ENVIRONMENTAL 70 OJITO ROAD LINDRITH NM, 87029	Project: QUARTERLY VADOZE	Reported:
	Project Number: NONE GIVEN	21-Jul-16 16:35
	Project Manager: CRAIG SCHMITZ	
	Fax To: (575) 774-9116	

**CELL # 8**  
**H601430-08 (Soil)**

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

**Cardinal Laboratories**

**Inorganic Compounds**

Alkalinity, Bicarbonate	312		20.0	mg/kg	1	6071107	AP	14-Jul-16	310.1	
Alkalinity, Carbonate	<4.00		4.00	mg/kg	1	6071107	AP	14-Jul-16	310.1	
Chloride	<16.0		16.0	mg/kg	4	6062904	AP	29-Jun-16	4500-Cl-B	
Conductivity	288		1.00	uS/cm	1	6070503	AP	05-Jul-16	120.1	
pH*	7.46		0.100	pH Units	1	6062808	AP	29-Jun-16	9045	
Sulfate	<40.0		40.0	mg/kg	4	6071106	AP	11-Jul-16	375.4	
Alkalinity, Total*	256		16.0	mg/kg	1	6071107	AP	14-Jul-16	310.1	

**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	6062901	MS	29-Jun-16	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6062901	MS	29-Jun-16	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6062901	MS	29-Jun-16	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6062901	MS	29-Jun-16	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6062901	MS	29-Jun-16	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			98.3 %	73.6-140		6062901	MS	29-Jun-16	8021B	

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10	<10.0		10.0	mg/kg	1	6062812	MS	29-Jun-16	8015B	
DRO >C10-C28	<10.0		10.0	mg/kg	1	6062812	MS	29-Jun-16	8015B	
EXT DRO >C28-C35	<10.0		10.0	mg/kg	1	6062812	MS	29-Jun-16	8015B	
Surrogate: 1-Chlorooctane			90.8 %	35-147		6062812	MS	29-Jun-16	8015B	
Surrogate: 1-Chlorooctadecane			87.2 %	28-171		6062812	MS	29-Jun-16	8015B	

**Green Analytical Laboratories**

**General Chemistry**

% Dry Solids	96.9			%	1	B607087	LLG	13-Jul-16	ASA#9 & SSSA#5	H1
--------------	------	--	--	---	---	---------	-----	-----------	----------------	----

**Cardinal Laboratories**

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage 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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

T-N-T ENVIRONMENTAL 70 OJITO ROAD LINDRITH NM, 87029	Project: QUARTERLY VADOZE Project Number: NONE GIVEN Project Manager: CRAIG SCHMITZ Fax To: (575) 774-9116	Reported: 21-Jul-16 16:35
--	---	------------------------------

**CELL # 8**  
**H601430-08 (Soil)**

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

**Green Analytical Laboratories**

**Total Metals by ICP**

Arsenic	<10.0		10.0	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
<b>Barium</b>	<b>92.9</b>		1.00	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Cadmium	<5.00		5.00	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
<b>Calcium</b>	<b>3720</b>		100	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
<b>Chromium</b>	<b>16.9</b>		5.00	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Lead	<10.0		10.0	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
<b>Magnesium</b>	<b>3680</b>		100	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
<b>Potassium</b>	<b>1660</b>		200	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Selenium	<20.0		20.0	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Silver	<5.00		5.00	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Sodium	<200		200	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	

**Total Mercury by CVAA**

Mercury	<0.103		0.103	mg/kg dry	500	B607010	LLG	08-Jul-16	EPA7471	
---------	--------	--	-------	-----------	-----	---------	-----	-----------	---------	--

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage 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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

T-N-T ENVIRONMENTAL 70 OJITO ROAD LINDRITH NM, 87029	Project: QUARTERLY VADOZE Project Number: NONE GIVEN Project Manager: CRAIG SCHMITZ Fax To: (575) 774-9116	Reported: 21-Jul-16 16:35
--	---	------------------------------

**CELL # 9**

**H601430-09 (Soil)**

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

**Cardinal Laboratories**

**Inorganic Compounds**

Alkalinity, Bicarbonate	156		20.0	mg/kg	1	6071107	AP	14-Jul-16	310.1	
Alkalinity, Carbonate	<4.00		4.00	mg/kg	1	6071107	AP	14-Jul-16	310.1	
Chloride	<16.0		16.0	mg/kg	4	6062904	AP	29-Jun-16	4500-Cl-B	
Conductivity	140		1.00	uS/cm	1	6070503	AP	05-Jul-16	120.1	
pH*	7.17		0.100	pH Units	1	6062809	AP	29-Jun-16	9045	
Sulfate	<40.0		40.0	mg/kg	4	6071106	AP	11-Jul-16	375.4	
Alkalinity, Total*	128		16.0	mg/kg	1	6071107	AP	14-Jul-16	310.1	

**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	6062901	MS	29-Jun-16	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6062901	MS	29-Jun-16	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6062901	MS	29-Jun-16	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6062901	MS	29-Jun-16	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6062901	MS	29-Jun-16	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			98.0 %	73.6-140		6062901	MS	29-Jun-16	8021B	

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10	<10.0		10.0	mg/kg	1	6062812	MS	29-Jun-16	8015B	
DRO >C10-C28	<10.0		10.0	mg/kg	1	6062812	MS	29-Jun-16	8015B	
EXT DRO >C28-C35	<10.0		10.0	mg/kg	1	6062812	MS	29-Jun-16	8015B	
Surrogate: 1-Chlorooctane			78.7 %	35-147		6062812	MS	29-Jun-16	8015B	
Surrogate: 1-Chlorooctadecane			76.6 %	28-171		6062812	MS	29-Jun-16	8015B	

**Green Analytical Laboratories**

**General Chemistry**

% Dry Solids	94.8			%	1	B607087	LLG	13-Jul-16	ASA#9 & SSSA#5	H1
--------------	------	--	--	---	---	---------	-----	-----------	----------------	----

**Cardinal Laboratories**

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage 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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

T-N-T ENVIRONMENTAL 70 OJITO ROAD LINDRITH NM, 87029	Project: QUARTERLY VADOZE Project Number: NONE GIVEN Project Manager: CRAIG SCHMITZ Fax To: (575) 774-9116	Reported: 21-Jul-16 16:35
--	---	------------------------------

**CELL # 9**  
**H601430-09 (Soil)**

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

**Green Analytical Laboratories**

**Total Metals by ICP**

Arsenic	<10.0		10.0	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
<b>Barium</b>	<b>154</b>		1.00	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Cadmium	<5.00		5.00	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
<b>Calcium</b>	<b>4520</b>		100	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
<b>Chromium</b>	<b>21.5</b>		5.00	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Lead	<10.0		10.0	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
<b>Magnesium</b>	<b>4910</b>		100	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
<b>Potassium</b>	<b>2350</b>		200	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Selenium	<20.0		20.0	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Silver	<5.00		5.00	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Sodium	<200		200	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	

**Total Mercury by CVAA**

Mercury	<0.105		0.105	mg/kg dry	500	B607010	LLG	08-Jul-16	EPA7471	
---------	--------	--	-------	-----------	-----	---------	-----	-----------	---------	--

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage 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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

T-N-T ENVIRONMENTAL 70 OJITO ROAD LINDRITH NM, 87029	Project: QUARTERLY VADOZE Project Number: NONE GIVEN Project Manager: CRAIG SCHMITZ Fax To: (575) 774-9116	Reported: 21-Jul-16 16:35
--	---	------------------------------

**CELL # 10  
H601430-10 (Soil)**

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

**Cardinal Laboratories**

**Inorganic Compounds**

Alkalinity, Bicarbonate	156		20.0	mg/kg	1	6071107	AP	14-Jul-16	310.1	
Alkalinity, Carbonate	<4.00		4.00	mg/kg	1	6071107	AP	14-Jul-16	310.1	
Chloride	<16.0		16.0	mg/kg	4	6062905	AP	29-Jun-16	4500-CI-B	
Conductivity	104		1.00	uS/cm	1	6070504	AP	05-Jul-16	120.1	
pH*	7.28		0.100	pH Units	1	6062809	AP	29-Jun-16	9045	
Sulfate	<40.0		40.0	mg/kg	4	6071106	AP	11-Jul-16	375.4	
Alkalinity, Total*	128		16.0	mg/kg	1	6071107	AP	14-Jul-16	310.1	

**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	6062901	MS	29-Jun-16	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6062901	MS	29-Jun-16	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6062901	MS	29-Jun-16	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6062901	MS	29-Jun-16	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6062901	MS	29-Jun-16	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			98.1 %	73.6-140		6062901	MS	29-Jun-16	8021B	

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10	<10.0		10.0	mg/kg	1	6062812	MS	29-Jun-16	8015B	
DRO >C10-C28	<10.0		10.0	mg/kg	1	6062812	MS	29-Jun-16	8015B	
EXT DRO >C28-C35	<10.0		10.0	mg/kg	1	6062812	MS	29-Jun-16	8015B	
Surrogate: 1-Chlorooctane			76.6 %	35-147		6062812	MS	29-Jun-16	8015B	
Surrogate: 1-Chlorooctadecane			71.5 %	28-171		6062812	MS	29-Jun-16	8015B	

**Green Analytical Laboratories**

**General Chemistry**

% Dry Solids	94.5			%	1	B607087	LLG	13-Jul-16	ASA#9 & SSSA#5	H1
--------------	------	--	--	---	---	---------	-----	-----------	----------------	----

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage 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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

T-N-T ENVIRONMENTAL 70 OJITO ROAD LINDRITH NM, 87029	Project: QUARTERLY VADOZE Project Number: NONE GIVEN Project Manager: CRAIG SCHMITZ Fax To: (575) 774-9116	Reported: 21-Jul-16 16:35
--	---	------------------------------

**CELL # 10**  
**H601430-10 (Soil)**

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

**Green Analytical Laboratories**

**Total Metals by ICP**

Arsenic	<10.0		10.0	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Barium	140		1.00	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Cadmium	<5.00		5.00	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Calcium	3980		100	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Chromium	18.6		5.00	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Lead	<10.0		10.0	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Magnesium	4250		100	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Potassium	2040		200	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Selenium	<20.0		20.0	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Silver	<5.00		5.00	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Sodium	<200		200	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	

**Total Mercury by CVAA**

Mercury	<0.106		0.106	mg/kg dry	500	B607010	LLG	08-Jul-16	EPA7471	
---------	--------	--	-------	-----------	-----	---------	-----	-----------	---------	--

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage 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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

T-N-T ENVIRONMENTAL 70 OJITO ROAD LINDRITH NM, 87029	Project: QUARTERLY VADOZE Project Number: NONE GIVEN Project Manager: CRAIG SCHMITZ Fax To: (575) 774-9116	Reported: 21-Jul-16 16:35
--	---	------------------------------

**CELL # 11  
H601430-11 (Soil)**

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

**Cardinal Laboratories**

**Inorganic Compounds**

Alkalinity, Bicarbonate	273		20.0	mg/kg	1	6071107	AP	14-Jul-16	310.1	
Alkalinity, Carbonate	<4.00		4.00	mg/kg	1	6071107	AP	14-Jul-16	310.1	
Chloride	<16.0		16.0	mg/kg	4	6062905	AP	29-Jun-16	4500-Cl-B	
Conductivity	286		1.00	uS/cm	1	6070504	AP	05-Jul-16	120.1	
pH*	7.28		0.100	pH Units	1	6062809	AP	29-Jun-16	9045	
Sulfate	87.0		40.0	mg/kg	4	6071106	AP	11-Jul-16	375.4	
Alkalinity, Total*	224		16.0	mg/kg	1	6071107	AP	14-Jul-16	310.1	

**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	6062901	MS	29-Jun-16	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6062901	MS	29-Jun-16	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6062901	MS	29-Jun-16	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6062901	MS	29-Jun-16	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6062901	MS	29-Jun-16	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			99.7 %	73.6-140		6062901	MS	29-Jun-16	8021B	

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10	<10.0		10.0	mg/kg	1	6062812	MS	29-Jun-16	8015B	
DRO >C10-C28	<10.0		10.0	mg/kg	1	6062812	MS	29-Jun-16	8015B	
EXT DRO >C28-C35	<10.0		10.0	mg/kg	1	6062812	MS	29-Jun-16	8015B	
Surrogate: 1-Chlorooctane			88.0 %	35-147		6062812	MS	29-Jun-16	8015B	
Surrogate: 1-Chlorooctadecane			82.5 %	28-171		6062812	MS	29-Jun-16	8015B	

**Green Analytical Laboratories**

**General Chemistry**

% Dry Solids	84.1			%	1	B607087	LLG	13-Jul-16	ASA#9 & SSSA#5	H1
--------------	------	--	--	---	---	---------	-----	-----------	-------------------	----

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage 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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

T-N-T ENVIRONMENTAL 70 OJITO ROAD LINDRITH NM, 87029	Project: QUARTERLY VADOZE Project Number: NONE GIVEN Project Manager: CRAIG SCHMITZ Fax To: (575) 774-9116	Reported: 21-Jul-16 16:35
--	---	------------------------------

**CELL # 11**  
**H601430-11 (Soil)**

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

**Green Analytical Laboratories**

**Total Metals by ICP**

Arsenic	<10.0		10.0	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
<b>Barium</b>	<b>157</b>		1.00	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Cadmium	<5.00		5.00	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Calcium	<b>4660</b>		100	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Chromium	<b>22.7</b>		5.00	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Lead	<10.0		10.0	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Magnesium	<b>5070</b>		100	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Potassium	<b>2770</b>		200	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Selenium	<20.0		20.0	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Silver	<5.00		5.00	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Sodium	<200		200	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	

**Total Mercury by CVAA**

Mercury	<0.119		0.119	mg/kg dry	500	B607010	LLG	08-Jul-16	EPA7471	
---------	--------	--	-------	-----------	-----	---------	-----	-----------	---------	--

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage 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 the services hereunder by Cardinal, regardless of whether su claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

T-N-T ENVIRONMENTAL 70 OJITO ROAD LINDRITH NM, 87029	Project: QUARTERLY VADOZE Project Number: NONE GIVEN Project Manager: CRAIG SCHMITZ Fax To: (575) 774-9116	Reported: 21-Jul-16 16:35
--	---	------------------------------

**CELL # 12**  
**H601430-12 (Soil)**

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

**Cardinal Laboratories**

**Inorganic Compounds**

Alkalinity, Bicarbonate	234		20.0	mg/kg	1	6071107	AP	14-Jul-16	310.1	
Alkalinity, Carbonate	<4.00		4.00	mg/kg	1	6071107	AP	14-Jul-16	310.1	
Chloride	<16.0		16.0	mg/kg	4	6062905	AP	29-Jun-16	4500-Cl-B	
Conductivity	148		1.00	uS/cm	1	6070504	AP	05-Jul-16	120.1	
pH*	7.34		0.100	pH Unins	1	6062809	AP	29-Jun-16	9045	
Sulfate	<40.0		40.0	mg/kg	4	6071106	AP	11-Jul-16	375.4	
Alkalinity, Total*	192		16.0	mg/kg	1	6071107	AP	14-Jul-16	310.1	

**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	6062901	MS	29-Jun-16	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6062901	MS	29-Jun-16	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6062901	MS	29-Jun-16	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6062901	MS	29-Jun-16	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6062901	MS	29-Jun-16	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			97.4 %	73.6-140		6062901	MS	29-Jun-16	8021B	

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10	<10.0		10.0	mg/kg	1	6062812	MS	29-Jun-16	8015B	
DRO >C10-C28	<10.0		10.0	mg/kg	1	6062812	MS	29-Jun-16	8015B	
EXT DRO >C28-C35	<10.0		10.0	mg/kg	1	6062812	MS	29-Jun-16	8015B	
Surrogate: 1-Chlorooctane			78.6 %	35-147		6062812	MS	29-Jun-16	8015B	
Surrogate: 1-Chlorooctadecane			76.7 %	28-171		6062812	MS	29-Jun-16	8015B	

**Green Analytical Laboratories**

**General Chemistry**

% Dry Solids	93.5			%	1	B607087	LLG	13-Jul-16	ASA#9 & SSSA#5	H1
--------------	------	--	--	---	---	---------	-----	-----------	----------------	----

**Cardinal Laboratories**

\* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage 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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

T-N-T ENVIRONMENTAL 70 OJITO ROAD LINDRITH NM, 87029	Project: QUARTERLY VADOZE Project Number: NONE GIVEN Project Manager: CRAIG SCHMITZ Fax To: (575) 774-9116	Reported: 21-Jul-16 16:35
--	---	------------------------------

**CELL # 12**  
**H601430-12 (Soil)**

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

**Green Analytical Laboratories**

**Total Metals by ICP**

Arsenic	<10.0		10.0	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Barium	<b>165</b>		1.00	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Cadmium	<5.00		5.00	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Calcium	<b>4940</b>		100	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Chromium	<b>23.0</b>		5.00	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Lead	<b>10.5</b>		10.0	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Magnesium	<b>5210</b>		100	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Potassium	<b>2410</b>		200	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Selenium	<20.0		20.0	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Silver	<5.00		5.00	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Sodium	<200		200	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	

**Total Mercury by CVAA**

Mercury	<0.107		0.107	mg/kg dry	500	B607010	LLG	08-Jul-16	EPA7471	
---------	--------	--	-------	-----------	-----	---------	-----	-----------	---------	--

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage 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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

T-N-T ENVIRONMENTAL 70 OJITO ROAD LINDRITH NM, 87029	Project: QUARTERLY VADOZE Project Number: NONE GIVEN Project Manager: CRAIG SCHMITZ Fax To: (575) 774-9116	Reported: 21-Jul-16 16:35
--	---	------------------------------

**CELL # 13**  
**H601430-13 (Soil)**

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

**Cardinal Laboratories**

**Inorganic Compounds**

Alkalinity, Bicarbonate	234		20.0	mg/kg	1	6071107	AP	14-Jul-16	310.1	
Alkalinity, Carbonate	<4.00		4.00	mg/kg	1	6071107	AP	14-Jul-16	310.1	
Chloride	<16.0		16.0	mg/kg	4	6062905	AP	29-Jun-16	4500-Cl-B	
Conductivity	148		1.00	uS/cm	1	6070504	AP	05-Jul-16	120.1	
pH*	7.39		0.100	pH Units	1	6062809	AP	29-Jun-16	9045	
Sulfate	<40.0		40.0	mg/kg	4	6071106	AP	11-Jul-16	375.4	
Alkalinity, Total*	192		16.0	mg/kg	1	6071107	AP	14-Jul-16	310.1	

**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	6062901	MS	29-Jun-16	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6062901	MS	29-Jun-16	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6062901	MS	29-Jun-16	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6062901	MS	29-Jun-16	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6062901	MS	29-Jun-16	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			98.4 %	73.6-140		6062901	MS	29-Jun-16	8021B	

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10	<10.0		10.0	mg/kg	1	6062812	MS	29-Jun-16	8015B	
DRO >C10-C28	<10.0		10.0	mg/kg	1	6062812	MS	29-Jun-16	8015B	
EXT DRO >C28-C35	<10.0		10.0	mg/kg	1	6062812	MS	29-Jun-16	8015B	
Surrogate: 1-Chlorooctane			84.5 %	35-147		6062812	MS	29-Jun-16	8015B	
Surrogate: 1-Chlorooctadecane			78.9 %	28-171		6062812	MS	29-Jun-16	8015B	

**Green Analytical Laboratories**

**General Chemistry**

% Dry Solids	95.3			%	1	B607087	LLG	13-Jul-16	ASA#9 & SSSA#5	H1
--------------	------	--	--	---	---	---------	-----	-----------	----------------	----

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage 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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

T-N-T ENVIRONMENTAL 70 OJITO ROAD LINDRITH NM, 87029	Project: QUARTERLY VADOZE Project Number: NONE GIVEN Project Manager: CRAIG SCHMITZ Fax To: (575) 774-9116	Reported: 21-Jul-16 16:35
--	---	------------------------------

**CELL # 13**  
**H601430-13 (Soil)**

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

**Green Analytical Laboratories**

**Total Metals by ICP**

Arsenic	<10.0		10.0	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Barium	154		1.00	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Cadmium	<5.00		5.00	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Calcium	4660		100	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Chromium	20.3		5.00	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Lead	<10.0		10.0	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Magnesium	4720		100	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Potassium	2220		200	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Selenium	<20.0		20.0	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Silver	<5.00		5.00	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	
Sodium	<200		200	mg/kg dry	100	B607069	LLG	12-Jul-16	EPA6010 B	

**Total Mercury by CVAA**

Mercury	<0.105		0.105	mg/kg dry	500	B607010	LLG	08-Jul-16	EPA7471	
---------	--------	--	-------	-----------	-----	---------	-----	-----------	---------	--

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage 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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

T-N-T ENVIRONMENTAL 70 OJITO ROAD LINDRITH NM, 87029	Project: QUARTERLY VADOZE Project Number: NONE GIVEN Project Manager: CRAIG SCHMITZ Fax To: (575) 774-9116	Reported: 21-Jul-16 16:35
--	---	------------------------------

**Inorganic Compounds - Quality Control**

**Cardinal Laboratories**

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

**Batch 6062808 - General Prep - Wet Chem**

<b>LCS (6062808-BS1)</b>		Prepared: 28-Jun-16 Analyzed: 29-Jun-16								
pH	7.02		pH Units	7.00		100	90-110			
<b>Duplicate (6062808-DUP1)</b>		Source: H601428-01		Prepared: 28-Jun-16 Analyzed: 29-Jun-16						
pH	8.56	0.100	pH Units	8.71				1.74	20	

**Batch 6062809 - General Prep - Wet Chem**

<b>LCS (6062809-BS1)</b>		Prepared: 28-Jun-16 Analyzed: 29-Jun-16								
pH	7.06		pH Units	7.00		101	90-110			
<b>Duplicate (6062809-DUP1)</b>		Source: H601430-09		Prepared: 28-Jun-16 Analyzed: 29-Jun-16						
pH	7.22	0.100	pH Units	7.17				0.695	20	

**Batch 6062904 - 1:4 DI Water**

<b>Blank (6062904-BLK1)</b>		Prepared & Analyzed: 29-Jun-16								
Chloride	ND	16.0	mg/kg							
<b>LCS (6062904-BS1)</b>		Prepared & Analyzed: 29-Jun-16								
Chloride	416	16.0	mg/kg	400		104	80-120			
<b>LCS Dup (6062904-BSD1)</b>		Prepared & Analyzed: 29-Jun-16								
Chloride	416	16.0	mg/kg	400		104	80-120	0.00	20	

**Batch 6062905 - 1:4 DI Water**

<b>Blank (6062905-BLK1)</b>		Prepared & Analyzed: 29-Jun-16								
Chloride	ND	16.0	mg/kg							

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage 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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

T-N-T ENVIRONMENTAL  
70 OJITO ROAD  
LINDRITH NM, 87029

Project: QUARTERLY VADOZE  
Project Number: NONE GIVEN  
Project Manager: CRAIG SCHMITZ  
Fax To: (575) 774-9116

Reported:  
21-Jul-16 16:35

**Inorganic Compounds - Quality Control  
Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 6062905 - 1:4 DI Water</b>										
<b>LCS (6062905-BS1)</b>				Prepared & Analyzed: 29-Jun-16						
Chloride	432	16.0	mg/kg	400		108	80-120			
<b>LCS Dup (6062905-BSD1)</b>				Prepared & Analyzed: 29-Jun-16						
Chloride	416	16.0	mg/kg	400		104	80-120	3.77	20	
<b>Batch 6070503 - General Prep - Wet Chem</b>										
<b>LCS (6070503-BS1)</b>				Prepared & Analyzed: 05-Jul-16						
Conductivity	491		uS/cm	500		98.2	80-120			
<b>Duplicate (6070503-DUP1)</b>		<b>Source: H601430-01</b>			Prepared & Analyzed: 05-Jul-16					
Conductivity	317	1.00	uS/cm		312			1.59	20	
<b>Batch 6070504 - General Prep - Wet Chem</b>										
<b>LCS (6070504-BS1)</b>				Prepared & Analyzed: 05-Jul-16						
Conductivity	491		uS/cm	500		98.2	80-120			
<b>Duplicate (6070504-DUP1)</b>		<b>Source: H601430-10</b>			Prepared & Analyzed: 05-Jul-16					
Conductivity	104	1.00	uS/cm		104			0.0960	20	
<b>Batch 6071106 - General Prep - Wet Chem</b>										
<b>Blank (6071106-BLK1)</b>				Prepared & Analyzed: 11-Jul-16						
Sulfate	ND	10.0	mg/kg							

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable services. In no event shall Cardinal be liable for incidental or consequential damage 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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

T-N-T ENVIRONMENTAL 70 OJITO ROAD LINDRITH NM, 87029	Project: QUARTERLY VADOZE Project Number: NONE GIVEN Project Manager: CRAIG SCHMITZ Fax To: (575) 774-9116	Reported: 21-Jul-16 16:35
--	---	------------------------------

**Inorganic Compounds - Quality Control**  
**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Results	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 6071106 - General Prep - Wet Chem</b>										
<b>LCS (6071106-BS1)</b>					Prepared & Analyzed: 11-Jul-16					
Sulfate	23.5	10.0	mg/kg	20.0		118	80-120			
<b>LCS Dup (6071106-BSD1)</b>					Prepared & Analyzed: 11-Jul-16					
Sulfate	20.0	10.0	mg/kg	20.0		100	80-120	16.1	20	
<b>Batch 6071107 - General Prep - Wet Chem</b>										
<b>Blank (6071107-BLK1)</b>					Prepared & Analyzed: 11-Jul-16					
Alkalinity, Carbonate	ND	1.00	mg/kg							
Alkalinity, Bicarbonate	ND	5.00	mg/kg							
Alkalinity, Total	ND	4.00	mg/kg							
<b>LCS (6071107-BS1)</b>					Prepared & Analyzed: 11-Jul-16					
Alkalinity, Carbonate	ND	1.00	mg/kg				80-120			
Alkalinity, Bicarbonate	122	5.00	mg/kg				80-120			
Alkalinity, Total	100	4.00	mg/kg	100		100	80-120			
<b>LCS Dup (6071107-BSD1)</b>					Prepared & Analyzed: 11-Jul-16					
Alkalinity, Carbonate	ND	1.00	mg/kg				80-120		20	
Alkalinity, Bicarbonate	126	5.00	mg/kg				80-120	3.23	20	
Alkalinity, Total	104	4.00	mg/kg	100		104	80-120	3.92	20	

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage 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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

T-N-T ENVIRONMENTAL 70 OJITO ROAD LINDRITH NM, 87029	Project: QUARTERLY VADOZE Project Number: NONE GIVEN Project Manager: CRAIG SCHMITZ Fax To: (575) 774-9116	Reported: 21-Jul-16 16:35
--	---	------------------------------

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

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

**Batch 6062901 - Volatiles**

Blank (6062901-BLK1)		Prepared & Analyzed: 29-Jun-16								
Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	ND		mg/kg	0.0500		97.3	73.6-140			

LCS (6062901-BS1)		Prepared & Analyzed: 29-Jun-16								
Benzene	1.86	0.050	mg/kg	2.00		93.0	82.6-122			
Toluene	1.76	0.050	mg/kg	2.00		87.8	72.9-122			
Ethylbenzene	1.67	0.050	mg/kg	2.00		83.4	65.4-131			
Total Xylenes	5.12	0.150	mg/kg	6.00		85.3	73.8-125			
Surrogate: 4-Bromofluorobenzene (PID)	0.0489		mg/kg	0.0500		97.9	73.6-140			

LCS Dup (6062901-BSD1)		Prepared & Analyzed: 29-Jun-16								
Benzene	1.82	0.050	mg/kg	2.00		90.8	82.6-122	2.42	8.23	
Toluene	1.71	0.050	mg/kg	2.00		85.6	72.9-122	2.50	8.71	
Ethylbenzene	1.62	0.050	mg/kg	2.00		81.1	65.4-131	2.81	9.46	
Total Xylenes	4.98	0.150	mg/kg	6.00		83.0	73.8-125	2.70	8.66	
Surrogate: 4-Bromofluorobenzene (PID)	0.0494		mg/kg	0.0500		98.9	73.6-140			

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage 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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

T-N-T ENVIRONMENTAL  
70 OJITO ROAD  
LINDRITH NM, 87029

Project: QUARTERLY VADOZE  
Project Number: NONE GIVEN  
Project Manager: CRAIG SCHMITZ  
Fax To: (575) 774-9116

Reported:  
21-Jul-16 16:35

**Petroleum Hydrocarbons by GC FID - Quality Control**

**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 6062812 - General Prep - Organics</b>										
<b>Blank (6062812-BLK1)</b>										
Prepared: 28-Jun-16 Analyzed: 29-Jun-16										
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C35	ND	10.0	mg/kg							
Total TPH C6-C28	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	42.8		mg/kg	50.0		85.7	35-147			
Surrogate: 1-Chlorooctadecane	45.8		mg/kg	50.0		91.7	28-171			
<b>LCS (6062812-BS1)</b>										
Prepared: 28-Jun-16 Analyzed: 29-Jun-16										
GRO C6-C10	199	10.0	mg/kg	200		99.7	76.7-115			
DRO >C10-C28	205	10.0	mg/kg	200		103	78.3-122			
Total TPH C6-C28	405	10.0	mg/kg	400		101	79.8-117			
Surrogate: 1-Chlorooctane	45.2		mg/kg	50.0		90.5	35-147			
Surrogate: 1-Chlorooctadecane	47.2		mg/kg	50.0		94.3	28-171			
<b>LCS Dup (6062812-BSD1)</b>										
Prepared: 28-Jun-16 Analyzed: 29-Jun-16										
GRO C6-C10	197	10.0	mg/kg	200		98.4	76.7-115	1.23	9.42	
DRO >C10-C28	196	10.0	mg/kg	200		98.2	78.3-122	4.39	13.2	
Total TPH C6-C28	393	10.0	mg/kg	400		98.3	79.8-117	2.82	10.7	
Surrogate: 1-Chlorooctane	43.8		mg/kg	50.0		87.6	35-147			
Surrogate: 1-Chlorooctadecane	44.8		mg/kg	50.0		89.6	28-171			

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage 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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

T-N-T ENVIRONMENTAL 70 OJITO ROAD LINDRITH NM, 87029	Project: QUARTERLY VADOZE Project Number: NONE GIVEN Project Manager: CRAIG SCHMITZ Fax To: (575) 774-9116	Reported: 21-Jul-16 16:35
--	---	------------------------------

General Chemistry - Quality Control  
Green Analytical Laboratories

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

Batch B607087 - General Prep - Wet Chem

Duplicate (B607087-DUP1)	Source: H601430-09		Prepared & Analyzed: 13-Jul-16							
% Dry Solids	94.8		%		94.8			0.00	20	

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage 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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

T-N-T ENVIRONMENTAL 70 OJITO ROAD LINDRITH NM, 87029	Project: QUARTERLY VADOZE Project Number: NONE GIVEN Project Manager: CRAIG SCHMITZ Fax To: (575) 774-9116	Reported: 21-Jul-16 16:35
--	---	------------------------------

**Total Metals by ICP - Quality Control  
Green Analytical Laboratories**

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

**Batch B607069 - EPA 3050**

**Blank (B607069-BLK1)**

Prepared & Analyzed: 12-Jul-16

Chromium	ND	0.050	mg/kg dry							
Arsenic	ND	0.100	mg/kg dry							
Magnesium	ND	1.00	mg/kg dry							
Sodium	ND	2.00	mg/kg dry							
Selenium	ND	0.200	mg/kg dry							
Barium	ND	0.010	mg/kg dry							
Cadmium	ND	0.050	mg/kg dry							
Calcium	ND	1.00	mg/kg dry							
Lead	ND	0.100	mg/kg dry							
Potassium	ND	2.00	mg/kg dry							
Silver	ND	0.050	mg/kg dry							

**LCS (B607069-BS1)**

Prepared & Analyzed: 12-Jul-16

Sodium	6.55	2.00	mg/kg dry	6.48		101	85-115			
Selenium	8.19	0.200	mg/kg dry	8.00		102	85-115			
Lead	1.97	0.100	mg/kg dry	2.00		98.5	85-115			
Arsenic	4.06	0.100	mg/kg dry	4.00		102	85-115			
Chromium	2.03	0.050	mg/kg dry	2.00		101	85-115			
Magnesium	19.9	1.00	mg/kg dry	20.0		99.4	85-115			
Barium	2.05	0.010	mg/kg dry	2.00		102	85-115			
Cadmium	1.97	0.050	mg/kg dry	2.00		98.7	85-115			
Silver	0.087	0.050	mg/kg dry	0.100		87.5	85-115			
Calcium	4.14	1.00	mg/kg dry	4.00		104	85-115			
Potassium	7.98	2.00	mg/kg dry	8.00		99.7	85-115			

**LCS Dup (B607069-BSD1)**

Prepared & Analyzed: 12-Jul-16

Sodium	6.59	2.00	mg/kg dry	6.48		102	85-115	0.718	20	
Silver	0.088	0.050	mg/kg dry	0.100		88.0	85-115	0.568	20	
Selenium	8.42	0.200	mg/kg dry	8.00		105	85-115	2.82	20	
Potassium	8.04	2.00	mg/kg dry	8.00		101	85-115	0.815	20	
Chromium	2.05	0.050	mg/kg dry	2.00		102	85-115	1.04	20	
Arsenic	4.17	0.100	mg/kg dry	4.00		104	85-115	2.70	20	
Calcium	4.16	1.00	mg/kg dry	4.00		104	85-115	0.431	20	

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage 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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

T-N-T ENVIRONMENTAL 70 OJITO ROAD LINDRITH NM, 87029	Project: QUARTERLY VADOZE Project Number: NONE GIVEN Project Manager: CRAIG SCHMITZ Fax To: (575) 774-9116	Reported: 21-Jul-16 16:35
--	---	------------------------------

**Total Metals by ICP - Quality Control  
Green Analytical Laboratories**

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

**Batch B607069 - EPA 3050**

**LCS Dup (B607069-BSD1)**

Prepared & Analyzed: 12-Jul-16

Cadmium	1.98	0.050	mg/kg dry	2.00		98.9	85-115	0.160	20	
Lead	2.00	0.100	mg/kg dry	2.00		100	85-115	1.56	20	
Barium	2.06	0.010	mg/kg dry	2.00		103	85-115	0.498	20	
Magnesium	20.1	1.00	mg/kg dry	20.0		100	85-115	0.990	20	

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage 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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

T-N-T ENVIRONMENTAL 70 OJITO ROAD LINDRITH NM, 87029	Project: QUARTERLY VADOZE Project Number: NONE GIVEN Project Manager: CRAIG SCHMITZ Fax To: (575) 774-9116	Reported: 21-Jul-16 16:35
--	---	------------------------------

**Total Mercury by CVAA - Quality Control  
Green Analytical Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B607010 - EPA 245.1/7470</b>										
<b>Blank (B607010-BLK1)</b> Prepared: 07-Jul-16 Analyzed: 08-Jul-16										
Mercury	ND	0.0002	mg/kg wet							
<b>LCS (B607010-BS1)</b> Prepared: 07-Jul-16 Analyzed: 08-Jul-16										
Mercury	0.0020	0.0002	mg/kg wet	0.00200		98.7	85-115			
<b>LCS Dup (B607010-BSD1)</b> Prepared: 07-Jul-16 Analyzed: 08-Jul-16										
Mercury	0.0019	0.0002	mg/kg wet	0.00200		97.2	85-115	1.58	20	

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage 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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

- H1 Sample was received several days after collected and subsequently analyzed past hold time.
- 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

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage 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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager



**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

10F2

(970) 247-4220 service@greenanalytical.com or dzufelt@greenanalytical.com  
 Fax: (970) 247-4227 75 Suttle St Durango, CO 81303

Company Name (if Applicable): <b>TMT ENVIRONMENTAL INC.</b>		Bill to (if different):		<b>ANALYSIS REQUEST</b>			
Contact Person:		P.O. #:					
Address: <b>70 CR405</b>		Company:					
City: <b>LINDRITH</b> State: <b>N.M.</b> Zip: <b>87029</b>		Attn:					
Phone #: <b>575-774-6504</b>		Address:					
Email: <b>Schmitz@nt@yghoo.com</b>		City:					
Project Name (optional): <b>QUARTERLY VADOZE</b>		State: Zip:					
Project Number (optional):		Phone #:		TDM 3015M EXTENDED BTEX 8021B CHLORIDE 5M 4500 CI-B MAJOR CATIONS, ANIONS 8 RCRA METALS 6010B			
Sampler Name (Print): <b>TANY SCHMITZ</b>		Email:					

For Lab Use	Sample Name or Location	Collected		Matrix (check one)								# of containers					
		Date	Time	GROUNDWATER	SURFACEWATER	WASTEWATER	PRODUCEDWATER	SOIL	DRINKING WATER	OTHER:	No preservation (general)	HNO3	HCl	H2SO4	Other:	Other:	
	CELL	6/22/16							<input checked="" type="checkbox"/>								
	#2		8:30														
	#3		9:00														
	#4		9:30														
	#5		10:00														
	#6		10:30														
	#7		11:00														
	#8		11:30														
	#9		12:00														
	#10		1:30														

PLEASE NOTE: GAL's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by GAL within 30 days after completion. In no event shall GAL be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by GAL, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:	Date: <b>6/24/16</b>	Received By: <b>Christina Clark</b>	ADDITIONAL REMARKS:	Report to State? (Circle) Yes No
	Time: <b>9:40</b>			
Relinquished By:	Date:	Received By:		
Relinquished By:	Date:	Received By:		
Relinquished By:	Date:	Received By:		
Relinquished By:	Date:	Received By:		
Delivered By: (Circle One) Sampler - UPS - FedEx - Kangaroo - Other:	Temperature at receipt: <b>17.00°C</b>	CHECKED BY: <b>CL</b>		



**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

2022

(970) 247-4220 service@greenanalytical.com or dzufelt@greenanalytical.com  
 Fax: (970) 247-4227 75 Suttle St Durango, CO 81303

Company Name (if applicable): <u>T-N-T ENVIRONMENTAL INC.</u>		Bill to (if different):		<b>ANALYSIS REQUEST</b> T.P.H 8015M EXTENDED BTEX 8021B CHLORIDE 3M 4500 CI-B MAJOR CATIONS, ANIONS 8 RCRA METALS 6010B					
Contact Person:		P.O. #:							
Address: <u>70 CR 405</u>		Company:							
City: <u>LINDRITH</u> State: <u>N.M.</u> Zip: <u>87029</u>		Attn:							
Phone #: <u>575-774-6504</u>		Address:							
Email: <u>Schmitzent@yahoo.com</u>		City:							
Project Name (optional): <u>QUARTERLY VAJOZE</u>		State: Zip:							
Project Number (optional):		Phone #:							
Sampler Name (Print): <u>TONY SCHMITZ</u>		Email:							

For Lab Use	Sample Name or Location	Collected		Matrix (check one)							# of containers						
		Date	Time	GROUNDWATER	SURFACEWATER	WASTEWATER	PRODUCEDWATER	SOIL	DRINKING WATER	OTHER:	No preservation (general)	HNO <sub>3</sub>	HCl	H <sub>2</sub> SO <sub>4</sub>	Other:	Other:	
	CELL #11	6/22/16	2:00					<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>						
	#12	↓	2:30					<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>						
	#13	↓	3:00					<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>						

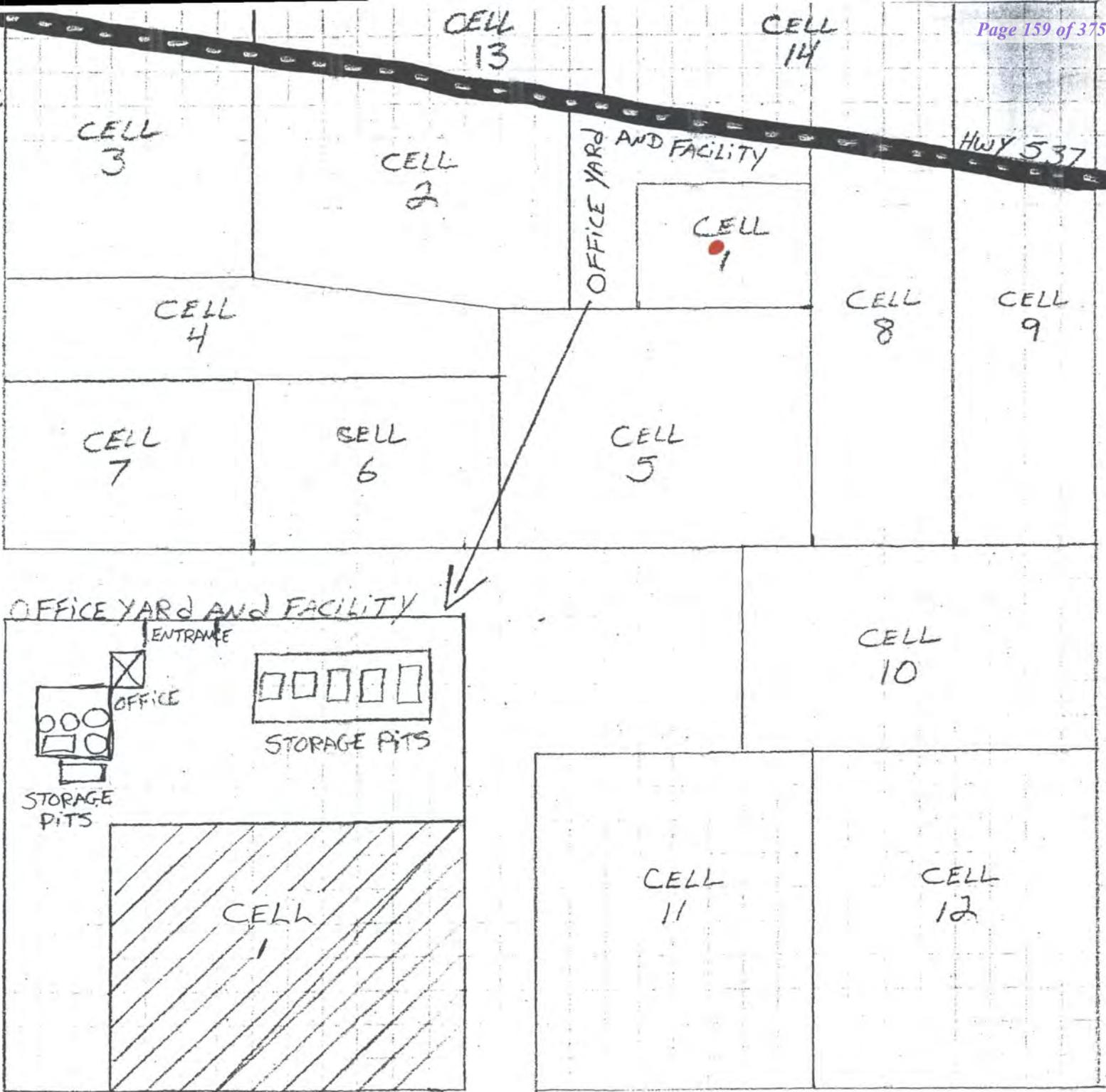
PLEASE NOTE: GAL's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by GAL within 30 days after completion. In no event shall GAL be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by GAL, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:	Date: <u>6/24/16</u> Time: <u>1400</u>	Received By: <u>Christa Clark</u>	ADDITIONAL REMARKS:	Report to State? (Circle) Yes No
Relinquished By:	Date:	Received By:		
Relinquished By:	Date:	Received By:		
Delivered By: (Circle One) Sampler - UPS - FedEx - Kangaroo - Other:		Temperature at receipt: <u>17-0</u>	CHECKED BY: <u>CC</u>	

† GAL cannot always accept verbal changes. Please fax or email written change requests.

T-N-T ENVIRONMENTAL INC  
7005 TO RD  
LINDRITH NM 87029

HAND FARM MAP  
PERMIT # NM-01-0008  
SEC. 5 & 8 T25N R3W



DATE 2010

7/20/16

VADOSE



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

August 11, 2016

CRAIG SCHMITZ

T-N-T ENVIRONMENTAL

70 OJITO ROAD

LINDRITH, NM 87029

RE: QUARTERLY VADOZE

Enclosed are the results of analyses for samples received by the laboratory on 07/27/16 9:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html)

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

- Method EPA 552.2 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 (Coliort MMO-MUG)
- Method EPA 524.2 Regulated VOCs and Total Trihalomethanes (TTHM)
- Method EPA 552.2 Total Haloacetic Acids (HAA-5)

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

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

T-N-T ENVIRONMENTAL 70 OJITO ROAD LINDRITH NM, 87029	Project: QUARTERLY VADOZE Project Number: NONE GIVEN Project Manager: CRAIG SCHMITZ Fax To: (575) 774-9116	Reported: 11-Aug-16 12:15
--	---	------------------------------

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
CELL # 1	H601671-01	Soil	20-Jul-16 09:00	27-Jul-16 09:00

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage 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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

T-N-T ENVIRONMENTAL 70 OJITO ROAD LINDRITH NM, 87029	Project: QUARTERLY VADOZE Project Number: NONE GIVEN Project Manager: CRAIG SCHMITZ Fax To: (575) 774-9116	Reported: 11-Aug-16 12:15
--	---	------------------------------

**CELL # 1**

H601671-01 (Soil)

Analyte	Result	MDE	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

**Cardinal Laboratories**

**Inorganic Compounds**

Alkalinity, Bicarbonate	244		20.0	mg/kg	4	6080508	AP	05-Aug-16	310.1M	
Alkalinity, Carbonate	<4.00		4.00	mg/kg	4	6080508	AP	05-Aug-16	310.1M	
Chloride	<16.0		16.0	mg/kg	4	6072703	AC	28-Jul-16	4500-Cl-B	
Conductivity	59.4		1.00	uS/cm	1	6072209	AP	02-Aug-16	120.1	
pH*	7.51		0.100	pH Units	1	6080202	AP	02-Aug-16	9045	
Sulfate	<200		200	mg/kg	20	6080303	AP	03-Aug-16	375.4	
Alkalinity, Total	200		4.00	mg/kg	4	6080508	AP	05-Aug-16	310.1M	

**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	6072801	MS	28-Jul-16	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6072801	MS	28-Jul-16	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6072801	MS	28-Jul-16	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6072801	MS	28-Jul-16	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6072801	MS	28-Jul-16	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			103 %	73.6-140		6072801	MS	28-Jul-16	8021B	

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10	<10.0		10.0	mg/kg	1	6072802	MS	28-Jul-16	8015B	
DRO >C10-C28	<10.0		10.0	mg/kg	1	6072802	MS	28-Jul-16	8015B	
EXT DRO >C28-C35	<10.0		10.0	mg/kg	1	6072802	MS	28-Jul-16	8015B	
Surrogate: 1-Chlorooctane			66.9 %	35-147		6072802	MS	28-Jul-16	8015B	
Surrogate: 1-Chlorooctadecane			72.2 %	28-171		6072802	MS	28-Jul-16	8015B	

**Green Analytical Laboratories**

**General Chemistry**

% Dry Solids	94.7			%	1	B608042	BDV	03-Aug-16	EPA160.3/16	H2
--------------	------	--	--	---	---	---------	-----	-----------	-------------	----

**Cardinal Laboratories**

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage 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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

T-N-T ENVIRONMENTAL 70 OJITO ROAD LINDRITH NM, 87029	Project: QUARTERLY VADOZE Project Number: NONE GIVEN Project Manager: CRAIG SCHMITZ Fax To: (575) 774-9116	Reported: 11-Aug-16 12:15
--	---	------------------------------

**CELL # 1**  
**H601671-01 (Soil)**

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

**Green Analytical Laboratories**

**Total Metals by ICP**

Arsenic	<10.0		10.0	mg/kg dry	100	B608048	LLG	04-Aug-16	6010B	
Barium	121		1.00	mg/kg dry	100	B608048	LLG	04-Aug-16	6010B	
Cadmium	<5.00		5.00	mg/kg dry	100	B608048	LLG	04-Aug-16	6010B	
Calcium	3350		10.0	mg/kg dry	100	B608048	LLG	04-Aug-16	6010B	
Chromium	16.6		5.00	mg/kg dry	100	B608048	LLG	04-Aug-16	6010B	
Lead	<10.0		10.0	mg/kg dry	100	B608048	LLG	04-Aug-16	6010B	
Magnesium	3490		100	mg/kg dry	100	B608048	LLG	04-Aug-16	6010B	
Potassium	1810		200	mg/kg dry	100	B608048	LLG	04-Aug-16	6010B	
Selenium	<20.0		20.0	mg/kg dry	100	B608048	LLG	04-Aug-16	6010B	
Silver	<5.00		5.00	mg/kg dry	100	B608048	LLG	04-Aug-16	6010B	
Sodium	<200		200	mg/kg dry	100	B608048	LLG	04-Aug-16	6010B	

**Total Mercury by CVAA**

Mercury	<0.106		0.106	mg/kg dry	500	B608046	LLG	08-Aug-16	EPA7471	
---------	--------	--	-------	-----------	-----	---------	-----	-----------	---------	--

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage 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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

T-N-T ENVIRONMENTAL 70 OJITO ROAD LINDRITH NM, 87029	Project: QUARTERLY VADOZE Project Number: NONE GIVEN Project Manager: CRAIG SCHMITZ Fax To: (575) 774-9116	Reported: 11-Aug-16 12:15
--	---	------------------------------

**Inorganic Compounds - Quality Control**

**Cardinal Laboratories**

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

**Batch 6072209 - General Prep - Wet Chem**

**LCS (6072209-BS1)** Prepared & Analyzed: 02-Aug-16

Conductivity	495		uS/cm	500		99.0	80-120			
--------------	-----	--	-------	-----	--	------	--------	--	--	--

**Duplicate (6072209-DUP1)** Source: H601518-02 Prepared & Analyzed: 02-Aug-16

Conductivity	1060	1.00	uS/cm		1050			1.32	20	
--------------	------	------	-------	--	------	--	--	------	----	--

**Batch 6072703 - 1:4 DI Water**

**Blank (6072703-BLK1)** Prepared: 26-Jul-16 Analyzed: 27-Jul-16

Chloride	ND	16.0	mg/kg							
----------	----	------	-------	--	--	--	--	--	--	--

**LCS (6072703-BS1)** Prepared: 26-Jul-16 Analyzed: 27-Jul-16

Chloride	400	16.0	mg/kg	400		100	80-120			
----------	-----	------	-------	-----	--	-----	--------	--	--	--

**LCS Dup (6072703-BSD1)** Prepared: 26-Jul-16 Analyzed: 27-Jul-16

Chloride	400	16.0	mg/kg	400		100	80-120	0.00	20	
----------	-----	------	-------	-----	--	-----	--------	------	----	--

**Batch 6080202 - General Prep - Wet Chem**

**LCS (6080202-BS1)** Prepared & Analyzed: 02-Aug-16

pH	7.02		pH Units	7.00		100	90-110			
----	------	--	----------	------	--	-----	--------	--	--	--

**Duplicate (6080202-DUP1)** Source: H601681-01 Prepared & Analyzed: 02-Aug-16

pH	7.29	0.100	pH Units		7.27			0.275	20	
----	------	-------	----------	--	------	--	--	-------	----	--

**Batch 6080303 - 1:4 DI Water**

**Blank (6080303-BLK1)** Prepared & Analyzed: 03-Aug-16

Sulfate	ND	10.0	mg/kg							
---------	----	------	-------	--	--	--	--	--	--	--

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage 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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

T-N-T ENVIRONMENTAL 70 QJITO ROAD LINDRITH NM, 87029	Project: QUARTERLY VADOZE Project Number: NONE GIVEN Project Manager: CRAIG SCHMITZ Fax To: (575) 774-9116	Reported: 11-Aug-16 12:15
--	---	------------------------------

**Inorganic Compounds - Quality Control**

**Cardinal Laboratories**

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

**Batch 6080303 - 1:4 DI Water**

<b>LCS (6080303-BS1)</b>										
Prepared & Analyzed: 03-Aug-16										
Sulfate	18.2	10.0	mg/kg	20.0		90.8	80-120			
<b>LCS Dup (6080303-BSD1)</b>										
Prepared & Analyzed: 03-Aug-16										
Sulfate	18.2	10.0	mg/kg	20.0		91.0	80-120	0.275	20	

**Batch 6080508 - General Prep - Wet Chem**

<b>Blank (6080508-BLK1)</b>										
Prepared & Analyzed: 05-Aug-16										
Alkalinity, Carbonate	ND	1.00	mg/kg							
Alkalinity, Bicarbonate	ND	5.00	mg/kg							
Alkalinity, Total	ND	1.00	mg/kg							
<b>LCS (6080508-BS1)</b>										
Prepared & Analyzed: 05-Aug-16										
Alkalinity, Carbonate	ND	1.00	mg/kg				80-120			
Alkalinity, Bicarbonate	126	5.00	mg/kg				80-120			
Alkalinity, Total	104	1.00	mg/kg	100		104	80-120			
<b>LCS Dup (6080508-BSD1)</b>										
Prepared & Analyzed: 05-Aug-16										
Alkalinity, Carbonate	ND	1.00	mg/kg				80-120		20	
Alkalinity, Bicarbonate	126	5.00	mg/kg				80-120	0.00	20	
Alkalinity, Total	104	1.00	mg/kg	100		104	80-120	0.00	20	

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage 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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

T-N-T ENVIRONMENTAL 70 QJITO ROAD LINDRITH NM, 87029	Project: QUARTERLY VADOZE Project Number: NONE GIVEN Project Manager: CRAIG SCHMITZ Fax To: (575) 774-9116	Reported: 11-Aug-16 12:15
--	---	------------------------------

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

**Cardinal Laboratories**

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

**Batch 6072801 - Volatiles**

<b>Blank (6072801-BLK1)</b>		Prepared & Analyzed: 28-Jul-16								
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)	0.0513		mg/kg	0.0500		103	73.6-140			

<b>LCS (6072801-BS1)</b>		Prepared & Analyzed: 28-Jul-16								
Benzene	2.32	0.050	mg/kg	2.00		116	82.6-122			
Toluene	2.36	0.050	mg/kg	2.00		118	72.9-122			
Ethylbenzene	2.27	0.050	mg/kg	2.00		113	65.4-131			
Total Xylenes	6.81	0.150	mg/kg	6.00		114	73.8-125			
Surrogate: 4-Bromofluorobenzene (PID)	0.0515		mg/kg	0.0500		103	73.6-140			

<b>LCS Dup (6072801-BSD1)</b>		Prepared & Analyzed: 28-Jul-16								
Benzene	2.34	0.050	mg/kg	2.00		117	82.6-122	0.836	8.23	
Toluene	2.38	0.050	mg/kg	2.00		119	72.9-122	0.985	8.71	
Ethylbenzene	2.29	0.050	mg/kg	2.00		115	65.4-131	1.15	9.46	
Total Xylenes	6.89	0.150	mg/kg	6.00		115	73.8-125	1.08	8.66	
Surrogate: 4-Bromofluorobenzene (PID)	0.0507		mg/kg	0.0500		101	73.6-140			

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage 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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

T-N-T ENVIRONMENTAL 70 OJITO ROAD LINDRITH NM, 87029	Project: QUARTERLY VADOZE Project Number: NONE GIVEN Project Manager: CRAIG SCHMITZ Fax To: (575) 774-9116	Reported: 11-Aug-16 12:15
--	---	------------------------------

**Petroleum Hydrocarbons by GC FID - Quality Control**  
**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 6072802 - General Prep - Organics</b>										
<b>Blank (6072802-BLK1)</b> Prepared & Analyzed: 28-Jul-16										
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C35	ND	10.0	mg/kg							
Total TPH C6-C28	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	47.2		mg/kg	50.0		94.5	35-147			
Surrogate: 1-Chlorooctadecane	49.7		mg/kg	50.0		99.4	28-171			
<b>LCS (6072802-BS1)</b> Prepared & Analyzed: 28-Jul-16										
GRO C6-C10	196	10.0	mg/kg	200		98.0	76.7-115			
DRO >C10-C28	214	10.0	mg/kg	200		107	78.3-122			
Total TPH C6-C28	410	10.0	mg/kg	400		103	79.8-117			
Surrogate: 1-Chlorooctane	49.9		mg/kg	50.0		99.8	35-147			
Surrogate: 1-Chlorooctadecane	53.9		mg/kg	50.0		108	28-171			
<b>LCS Dup (6072802-BSD1)</b> Prepared & Analyzed: 28-Jul-16										
GRO C6-C10	193	10.0	mg/kg	200		96.3	76.7-115	1.79	9.42	
DRO >C10-C28	208	10.0	mg/kg	200		104	78.3-122	2.98	13.2	
Total TPH C6-C28	400	10.0	mg/kg	400		100	79.8-117	2.41	10.7	
Surrogate: 1-Chlorooctane	49.0		mg/kg	50.0		98.0	35-147			
Surrogate: 1-Chlorooctadecane	52.8		mg/kg	50.0		106	28-171			

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage 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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

T-N-T ENVIRONMENTAL 70 OJITO ROAD LINDRITH NM, 87029	Project: QUARTERLY VADOZE Project Number: NONE GIVEN Project Manager: CRAIG SCHMITZ Fax To: (575) 774-9116	Reported: 11-Aug-16 12:15
--	---	------------------------------

**General Chemistry - Quality Control  
 Green Analytical Laboratories**

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

**Batch B608042 - General Prep - Wet Chem**

<b>Duplicate (B608042-DUP1)</b>	<b>Source: 1608025-02</b>		<b>Prepared &amp; Analyzed: 03-Aug-16</b>							
% Dry Solids	95.2		%		94.6			0.632	20	

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage 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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

T-N-T ENVIRONMENTAL 70 OJITO ROAD LINDRITH NM, 87029	Project: QUARTERLY VADOZE Project Number: NONE GIVEN Project Manager: CRAIG SCHMITZ Fax To: (575) 774-9116	Reported: 11-Aug-16 12:15
--	---	------------------------------

**Total Metals by ICP - Quality Control  
Green Analytical Laboratories**

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

**Batch B608048 - EPA 3050**

**Blank (B608048-BLK1)**

Prepared & Analyzed: 04-Aug-16

Arsenic	ND	0.100	mg/kg dry							
Magnesium	ND	1.00	mg/kg dry							
Silver	ND	0.050	mg/kg dry							
Selenium	ND	0.200	mg/kg dry							
Potassium	ND	2.00	mg/kg dry							
Calcium	ND	0.100	mg/kg dry							
Cadmium	ND	0.050	mg/kg dry							
Lead	ND	0.100	mg/kg dry							
Barium	ND	0.010	mg/kg dry							
Chromium	ND	0.050	mg/kg dry							
Sodium	ND	2.00	mg/kg dry							

**LCS (B608048-BS1)**

Prepared & Analyzed: 04-Aug-16

Silver	0.094	0.050	mg/kg dry	0.100		94.5	85-115			
Sodium	6.44	2.00	mg/kg dry	6.48		99.4	85-115			
Selenium	7.94	0.200	mg/kg dry	8.00		99.2	85-115			
Potassium	7.82	2.00	mg/kg dry	8.00		97.8	85-115			
Magnesium	19.2	1.00	mg/kg dry	20.0		96.2	85-115			
Calcium	3.98	0.100	mg/kg dry	4.00		99.5	85-115			
Barium	1.97	0.010	mg/kg dry	2.00		98.7	85-115			
Lead	1.89	0.100	mg/kg dry	2.00		94.5	85-115			
Chromium	1.99	0.050	mg/kg dry	2.00		99.3	85-115			
Cadmium	1.88	0.050	mg/kg dry	2.00		94.1	85-115			
Arsenic	3.92	0.100	mg/kg dry	4.00		98.0	85-115			

**LCS Dup (B608048-BSD1)**

Prepared & Analyzed: 04-Aug-16

Cadmium	1.89	0.050	mg/kg dry	2.00		94.3	85-115	0.185	20	
Silver	0.095	0.050	mg/kg dry	0.100		95.0	85-115	0.575	20	
Selenium	7.95	0.200	mg/kg dry	8.00		99.4	85-115	0.240	20	
Lead	1.93	0.100	mg/kg dry	2.00		96.3	85-115	1.97	20	
Magnesium	19.5	1.00	mg/kg dry	20.0		97.3	85-115	1.16	20	
Arsenic	3.95	0.100	mg/kg dry	4.00		98.7	85-115	0.734	20	
Sodium	6.51	2.00	mg/kg dry	6.48		100	85-115	1.06	20	

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage 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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

T-N-T ENVIRONMENTAL 70 OJITO ROAD LINDRITH NM, 87029	Project: QUARTERLY VADOZE Project Number: NONE GIVEN Project Manager: CRAIG SCHMITZ Fax To: (575) 774-9116	Reported: 11-Aug-16 12:15
--	---	------------------------------

**Total Metals by ICP - Quality Control  
Green Analytical Laboratories**

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

**Batch B608048 - EPA 3050**

**LCS Dup (B608048-BSD1)**

Prepared & Analyzed: 04-Aug-16

Chromium	2.00	0.050	mg/kg dry	2.00		100	85-115	0.638	20	
Barium	1.98	0.010	mg/kg dry	2.00		99.1	85-115	0.362	20	
Potassium	7.91	2.00	mg/kg dry	8.00		98.9	85-115	1.10	20	
Calcium	4.04	0.100	mg/kg dry	4.00		101	85-115	1.61	20	

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage 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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

T-N-T ENVIRONMENTAL 70 OJITO ROAD LINDRITH NM, 87029	Project: QUARTERLY VADOZE Project Number: NONE GIVEN Project Manager: CRAIG SCHMITZ Fax To: (575) 774-9116	Reported: 11-Aug-16 12:15
--	---	------------------------------

**Total Mercury by CVAA - Quality Control  
Green Analytical Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B608046 - EPA 245.1/7470</b>										
<b>Blank (B608046-BLK1)</b>										
Prepared & Analyzed: 08-Aug-16										
Mercury	ND	0.0002	mg/kg wet							
<b>LCS (B608046-BS1)</b>										
Prepared & Analyzed: 08-Aug-16										
Mercury	0.0021	0.0002	mg/kg wet	0.00200		104	85-115			
<b>LCS Dup (B608046-BSD1)</b>										
Prepared & Analyzed: 08-Aug-16										
Mercury	0.0021	0.0002	mg/kg wet	0.00200		104	85-115	0.0962	20	

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage 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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

- H2 Sample analysis performed past hold time specified by the method.
- 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

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage 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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager



**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

(970) 247-4220  
Fax: (970) 247-4227

service@greenanalytical.com or dzufelt@greenanalytical.com  
75 Suttle St Durango, CO 81303

Page 14 of 14

Company Name (if Applicable): <b>J-D-T ENVIRONMENTAL INC.</b>		Bill to (if different):		ANALYSIS REQUEST												
Contact Person:		P.O. #:		T.P.H 8015 MEXTENLED BTEX 8081B CHLORIDE Sm 4500CI-B MAJOR CATIONS, ANIONS 8 RCRA METALS ADD B												
Address: <b>70 CR 405</b>		Company:														
City: <b>HINDRITH</b> State: <b>N.M.</b> Zip: <b>87029</b>		Attn:														
Phone #: <b>505-774-6504</b>		Address:														
Email: <b>SchmitzBnt@yahoo.com</b>		City:														
Project Name (optional): <b>QUARTERLY VADOSE</b>		State: Zip:														
Project Number (optional):		Phone #:														
Sampler Name (Print): <b>Tony Schmitz</b>		Email:														
For Lab Use <b>H601671</b> <b>H601672</b>	Sample Name or Location <b>CELL #1</b>	Collected		Matrix (check one)						# of containers						
		Date	Time	GROUNDWATER	SURFACEWATER	WASTEWATER	PRODUCEDWATER	SOIL	DRINKING WATER	OTHER:	No preservation (general)	HNO <sub>3</sub>	HCl	H <sub>2</sub> SO <sub>4</sub>	Other:	Other:
		<b>7/20/16</b>	<b>9:00AM</b>					<input checked="" type="checkbox"/>								

PLEASE NOTE: GAL's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by GAL within 30 days after completion. In no event shall GAL be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by GAL, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: <i>Kimberlee Schmitz</i>	Date: <b>7/25/16</b>	Received By: <i>Christin Clau</i>	ADDITIONAL REMARKS:	Report to State? (Circle) Yes No
Relinquished By: <i>Christin Clau</i>	Date: <b>7/25/16</b>	Received By: <i>Dorinda Zufelt</i>		
Relinquished By:	Date: <b>7/27/16</b>	Received By: <i>Jodi Hanson</i>		
Delivered By: (Circle One) Sampler - UPS - FedEx - Kangaroo - Other: <b>#75 4.10c</b>	Temperature at receipt: <b>2.3c</b>	CHECKED BY: <b>u</b>		

Report to:  
Clay Green



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

### TNT Environmental

Project Name: TNT Landfarm

Work Order: E307095

Job Number: 17009-C-0001

Received: 7/20/2023

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
7/27/23

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: 7/27/23

Clay Green  
PO Box 2530  
Farmington, NM 87499

Project Name: TNT Landfarm  
Workorder: E307095  
Date Received: 7/20/2023 1:40:00PM

Clay Green,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/20/2023 1:40:00PM, under the Project Name: TNT Landfarm.

The analytical test results summarized in this report with the Project Name: TNT Landfarm 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,

**Walter Hinchman**  
Laboratory Director  
Office: 505-632-1881  
Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
Laboratory Administrator  
Office: 505-632-1881  
[rainaschwanz@envirotech-inc.com](mailto:rainaschwanz@envirotech-inc.com)

**Alexa Michaels**  
Sample Custody Officer  
Office: 505-632-1881  
[labadmin@envirotech-inc.com](mailto:labadmin@envirotech-inc.com)

Field Offices:

**Southern New Mexico Area**  
**Lynn Jarboe**  
Technical Representative/Client Services  
Office: 505-421-LABS(5227)  
Cell: 505-320-4759  
[ljjarboe@envirotech-inc.com](mailto:ljjarboe@envirotech-inc.com)

**West Texas Midland/Odessa Area**  
**Rayny Hagan**  
Technical Representative  
Office: 505-421-LABS(5227)

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

## Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
Cell 3 Vadose	5
Cell 4 Vadose	6
Cell 5 Vadose	7
Cell 6 Vadose	8
Cell 7 Vadose	9
Cell 10 Vadose	10
Cell 12 Vadose	11
Cell 11 Vadose	12
Cell 8 Vadose	13
Cell 9 Vadose	14
Cell 13 Vadose	15
Cell 14 Vadose	16
Cell 1 Vadose	17
Cell 2 Vadose	18
QC Summary Data	19
QC - Volatile Organic Compounds by EPA 8260B	19
QC - Nonhalogenated Organics by EPA 8015D - GRO	20
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	21
Definitions and Notes	22
Chain of Custody etc.	23

### Sample Summary

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm Project Number: 17009-C-0001 Project Manager: Clay Green	<b>Reported:</b> 07/27/23 13:30
--	---	------------------------------------

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Cell 3 Vadose	E307095-01A	Soil	07/20/23	07/20/23	Glass Jar, 4 oz.
Cell 4 Vadose	E307095-02A	Soil	07/20/23	07/20/23	Glass Jar, 4 oz.
Cell 5 Vadose	E307095-03A	Soil	07/20/23	07/20/23	Glass Jar, 4 oz.
Cell 6 Vadose	E307095-04A	Soil	07/20/23	07/20/23	Glass Jar, 4 oz.
Cell 7 Vadose	E307095-05A	Soil	07/20/23	07/20/23	Glass Jar, 4 oz.
Cell 10 Vadose	E307095-06A	Soil	07/20/23	07/20/23	Glass Jar, 4 oz.
Cell 12 Vadose	E307095-07A	Soil	07/20/23	07/20/23	Glass Jar, 4 oz.
Cell 11 Vadose	E307095-08A	Soil	07/20/23	07/20/23	Glass Jar, 4 oz.
Cell 8 Vadose	E307095-09A	Soil	07/20/23	07/20/23	Glass Jar, 2 oz.
Cell 9 Vadose	E307095-10A	Soil	07/20/23	07/20/23	Glass Jar, 4 oz.
Cell 13 Vadose	E307095-11A	Soil	07/20/23	07/20/23	Glass Jar, 4 oz.
Cell 14 Vadose	E307095-12A	Soil	07/20/23	07/20/23	Glass Jar, 4 oz.
Cell 1 Vadose	E307095-13A	Soil	07/20/23	07/20/23	Glass Jar, 4 oz.
Cell 2 Vadose	E307095-14A	Soil	07/20/23	07/20/23	Glass Jar, 4 oz.

### Sample Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm Project Number: 17009-C-0001 Project Manager: Clay Green	<b>Reported:</b> 7/27/2023 1:30:01PM
--	---	---

**Cell 3 Vadose**  
**E307095-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2329067
Benzene	ND	0.0250	1	07/20/23	07/21/23	
Ethylbenzene	ND	0.0250	1	07/20/23	07/21/23	
Toluene	ND	0.0250	1	07/20/23	07/21/23	
o-Xylene	ND	0.0250	1	07/20/23	07/21/23	
p,m-Xylene	ND	0.0500	1	07/20/23	07/21/23	
Total Xylenes	ND	0.0250	1	07/20/23	07/21/23	
<i>Surrogate: Bromofluorobenzene</i>		105 %	70-130	07/20/23	07/21/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.2 %	70-130	07/20/23	07/21/23	
<i>Surrogate: Toluene-d8</i>		99.7 %	70-130	07/20/23	07/21/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2329067
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/20/23	07/21/23	
<i>Surrogate: Bromofluorobenzene</i>		105 %	70-130	07/20/23	07/21/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.2 %	70-130	07/20/23	07/21/23	
<i>Surrogate: Toluene-d8</i>		99.7 %	70-130	07/20/23	07/21/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2330034
Diesel Range Organics (C10-C28)	ND	25.0	1	07/25/23	07/26/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/25/23	07/26/23	
<i>Surrogate: n-Nonane</i>		109 %	50-200	07/25/23	07/26/23	



### Sample Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm Project Number: 17009-C-0001 Project Manager: Clay Green	<b>Reported:</b> 7/27/2023 1:30:01PM
--	---	---

**Cell 4 Vadose**  
**E307095-02**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2329067
Benzene	ND	0.0250	1	07/20/23	07/21/23	
Ethylbenzene	ND	0.0250	1	07/20/23	07/21/23	
Toluene	ND	0.0250	1	07/20/23	07/21/23	
o-Xylene	ND	0.0250	1	07/20/23	07/21/23	
p,m-Xylene	ND	0.0500	1	07/20/23	07/21/23	
Total Xylenes	ND	0.0250	1	07/20/23	07/21/23	
<i>Surrogate: Bromofluorobenzene</i>		103 %	70-130	07/20/23	07/21/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.7 %	70-130	07/20/23	07/21/23	
<i>Surrogate: Toluene-d8</i>		100 %	70-130	07/20/23	07/21/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2329067
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/20/23	07/21/23	
<i>Surrogate: Bromofluorobenzene</i>		103 %	70-130	07/20/23	07/21/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.7 %	70-130	07/20/23	07/21/23	
<i>Surrogate: Toluene-d8</i>		100 %	70-130	07/20/23	07/21/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2330034
Diesel Range Organics (C10-C28)	ND	25.0	1	07/25/23	07/26/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/25/23	07/26/23	
<i>Surrogate: n-Nonane</i>		109 %	50-200	07/25/23	07/26/23	

### Sample Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm Project Number: 17009-C-0001 Project Manager: Clay Green	<b>Reported:</b> 7/27/2023 1:30:01PM
--	---	---

**Cell 5 Vadose**  
**E307095-03**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2329067
Benzene	ND	0.0250	1	07/20/23	07/21/23	
Ethylbenzene	ND	0.0250	1	07/20/23	07/21/23	
Toluene	ND	0.0250	1	07/20/23	07/21/23	
o-Xylene	ND	0.0250	1	07/20/23	07/21/23	
p,m-Xylene	ND	0.0500	1	07/20/23	07/21/23	
Total Xylenes	ND	0.0250	1	07/20/23	07/21/23	
<i>Surrogate: Bromofluorobenzene</i>		105 %	70-130	07/20/23	07/21/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.8 %	70-130	07/20/23	07/21/23	
<i>Surrogate: Toluene-d8</i>		99.3 %	70-130	07/20/23	07/21/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2329067
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/20/23	07/21/23	
<i>Surrogate: Bromofluorobenzene</i>		105 %	70-130	07/20/23	07/21/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.8 %	70-130	07/20/23	07/21/23	
<i>Surrogate: Toluene-d8</i>		99.3 %	70-130	07/20/23	07/21/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2330034
Diesel Range Organics (C10-C28)	<b>69.2</b>	25.0	1	07/25/23	07/26/23	
Oil Range Organics (C28-C36)	<b>90.5</b>	50.0	1	07/25/23	07/26/23	
<i>Surrogate: n-Nonane</i>		118 %	50-200	07/25/23	07/26/23	



### Sample Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm Project Number: 17009-C-0001 Project Manager: Clay Green	<b>Reported:</b> 7/27/2023 1:30:01PM
--	---	---

**Cell 6 Vadose**  
**E307095-04**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>		mg/kg	mg/kg	Analyst: RKS		Batch: 2329067
Benzene	ND	0.0250	1	07/20/23	07/21/23	
Ethylbenzene	ND	0.0250	1	07/20/23	07/21/23	
Toluene	ND	0.0250	1	07/20/23	07/21/23	
o-Xylene	ND	0.0250	1	07/20/23	07/21/23	
p,m-Xylene	ND	0.0500	1	07/20/23	07/21/23	
Total Xylenes	ND	0.0250	1	07/20/23	07/21/23	
<i>Surrogate: Bromofluorobenzene</i>		105 %	70-130	07/20/23	07/21/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.7 %	70-130	07/20/23	07/21/23	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	07/20/23	07/21/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>		mg/kg	mg/kg	Analyst: RKS		Batch: 2329067
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/20/23	07/21/23	
<i>Surrogate: Bromofluorobenzene</i>		105 %	70-130	07/20/23	07/21/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.7 %	70-130	07/20/23	07/21/23	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	07/20/23	07/21/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>		mg/kg	mg/kg	Analyst: JL		Batch: 2330034
Diesel Range Organics (C10-C28)	ND	25.0	1	07/25/23	07/26/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/25/23	07/26/23	
<i>Surrogate: n-Nonane</i>		109 %	50-200	07/25/23	07/26/23	



### Sample Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm Project Number: 17009-C-0001 Project Manager: Clay Green	<b>Reported:</b> 7/27/2023 1:30:01PM
--	---	---

**Cell 7 Vadose  
E307095-05**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2329067
Benzene	ND	0.0250	1	07/20/23	07/21/23	
Ethylbenzene	ND	0.0250	1	07/20/23	07/21/23	
Toluene	ND	0.0250	1	07/20/23	07/21/23	
o-Xylene	ND	0.0250	1	07/20/23	07/21/23	
p,m-Xylene	ND	0.0500	1	07/20/23	07/21/23	
Total Xylenes	ND	0.0250	1	07/20/23	07/21/23	
<i>Surrogate: Bromofluorobenzene</i>		105 %	70-130	07/20/23	07/21/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %	70-130	07/20/23	07/21/23	
<i>Surrogate: Toluene-d8</i>		100 %	70-130	07/20/23	07/21/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2329067
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/20/23	07/21/23	
<i>Surrogate: Bromofluorobenzene</i>		105 %	70-130	07/20/23	07/21/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %	70-130	07/20/23	07/21/23	
<i>Surrogate: Toluene-d8</i>		100 %	70-130	07/20/23	07/21/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2330034
Diesel Range Organics (C10-C28)	67.3	25.0	1	07/25/23	07/26/23	
Oil Range Organics (C28-C36)	67.4	50.0	1	07/25/23	07/26/23	
<i>Surrogate: n-Nonane</i>		114 %	50-200	07/25/23	07/26/23	



### Sample Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm Project Number: 17009-C-0001 Project Manager: Clay Green	<b>Reported:</b> 7/27/2023 1:30:01PM
--	---	---

**Cell 10 Vadose**  
**E307095-06**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2329067
Benzene	ND	0.0250	1	07/20/23	07/21/23	
Ethylbenzene	ND	0.0250	1	07/20/23	07/21/23	
Toluene	ND	0.0250	1	07/20/23	07/21/23	
o-Xylene	ND	0.0250	1	07/20/23	07/21/23	
p,m-Xylene	ND	0.0500	1	07/20/23	07/21/23	
Total Xylenes	ND	0.0250	1	07/20/23	07/21/23	
<i>Surrogate: Bromofluorobenzene</i>		105 %	70-130	07/20/23	07/21/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.7 %	70-130	07/20/23	07/21/23	
<i>Surrogate: Toluene-d8</i>		99.7 %	70-130	07/20/23	07/21/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2329067
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/20/23	07/21/23	
<i>Surrogate: Bromofluorobenzene</i>		105 %	70-130	07/20/23	07/21/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.7 %	70-130	07/20/23	07/21/23	
<i>Surrogate: Toluene-d8</i>		99.7 %	70-130	07/20/23	07/21/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2330034
Diesel Range Organics (C10-C28)	ND	25.0	1	07/25/23	07/26/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/25/23	07/26/23	
<i>Surrogate: n-Nonane</i>		116 %	50-200	07/25/23	07/26/23	



### Sample Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm Project Number: 17009-C-0001 Project Manager: Clay Green	<b>Reported:</b> 7/27/2023 1:30:01PM
--	---	---

**Cell 12 Vadose**  
**E307095-07**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>		mg/kg	mg/kg	Analyst: RKS		Batch: 2329067
Benzene	ND	0.0250	1	07/20/23	07/21/23	
Ethylbenzene	ND	0.0250	1	07/20/23	07/21/23	
Toluene	ND	0.0250	1	07/20/23	07/21/23	
o-Xylene	ND	0.0250	1	07/20/23	07/21/23	
p,m-Xylene	ND	0.0500	1	07/20/23	07/21/23	
Total Xylenes	ND	0.0250	1	07/20/23	07/21/23	
<i>Surrogate: Bromofluorobenzene</i>		107 %	70-130	07/20/23	07/21/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.0 %	70-130	07/20/23	07/21/23	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	07/20/23	07/21/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>		mg/kg	mg/kg	Analyst: RKS		Batch: 2329067
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/20/23	07/21/23	
<i>Surrogate: Bromofluorobenzene</i>		107 %	70-130	07/20/23	07/21/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.0 %	70-130	07/20/23	07/21/23	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	07/20/23	07/21/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>		mg/kg	mg/kg	Analyst: JL		Batch: 2330034
Diesel Range Organics (C10-C28)	ND	25.0	1	07/25/23	07/26/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/25/23	07/26/23	
<i>Surrogate: n-Nonane</i>		119 %	50-200	07/25/23	07/26/23	



### Sample Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm Project Number: 17009-C-0001 Project Manager: Clay Green	<b>Reported:</b> 7/27/2023 1:30:01PM
--	---	---

**Cell 11 Vadose  
E307095-08**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2329067
Benzene	ND	0.0250	1	07/20/23	07/21/23	
Ethylbenzene	ND	0.0250	1	07/20/23	07/21/23	
Toluene	ND	0.0250	1	07/20/23	07/21/23	
o-Xylene	ND	0.0250	1	07/20/23	07/21/23	
p,m-Xylene	ND	0.0500	1	07/20/23	07/21/23	
Total Xylenes	ND	0.0250	1	07/20/23	07/21/23	
<i>Surrogate: Bromofluorobenzene</i>		107 %	70-130	07/20/23	07/21/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.5 %	70-130	07/20/23	07/21/23	
<i>Surrogate: Toluene-d8</i>		99.3 %	70-130	07/20/23	07/21/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2329067
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/20/23	07/21/23	
<i>Surrogate: Bromofluorobenzene</i>		107 %	70-130	07/20/23	07/21/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.5 %	70-130	07/20/23	07/21/23	
<i>Surrogate: Toluene-d8</i>		99.3 %	70-130	07/20/23	07/21/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2330034
Diesel Range Organics (C10-C28)	123	25.0	1	07/25/23	07/26/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/25/23	07/26/23	
<i>Surrogate: n-Nonane</i>		114 %	50-200	07/25/23	07/26/23	



### Sample Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm Project Number: 17009-C-0001 Project Manager: Clay Green	<b>Reported:</b> 7/27/2023 1:30:01PM
--	---	---

**Cell 8 Vadose**  
**E307095-09**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>		mg/kg	mg/kg	Analyst: RKS		Batch: 2329067
Benzene	ND	0.0250	1	07/20/23	07/21/23	
Ethylbenzene	ND	0.0250	1	07/20/23	07/21/23	
Toluene	ND	0.0250	1	07/20/23	07/21/23	
o-Xylene	ND	0.0250	1	07/20/23	07/21/23	
p,m-Xylene	ND	0.0500	1	07/20/23	07/21/23	
Total Xylenes	ND	0.0250	1	07/20/23	07/21/23	
<i>Surrogate: Bromofluorobenzene</i>		106 %	70-130	07/20/23	07/21/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.2 %	70-130	07/20/23	07/21/23	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	07/20/23	07/21/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>		mg/kg	mg/kg	Analyst: RKS		Batch: 2329067
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/20/23	07/21/23	
<i>Surrogate: Bromofluorobenzene</i>		106 %	70-130	07/20/23	07/21/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.2 %	70-130	07/20/23	07/21/23	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	07/20/23	07/21/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>		mg/kg	mg/kg	Analyst: JL		Batch: 2330034
Diesel Range Organics (C10-C28)	ND	25.0	1	07/25/23	07/27/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/25/23	07/27/23	
<i>Surrogate: n-Nonane</i>		115 %	50-200	07/25/23	07/27/23	



### Sample Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm Project Number: 17009-C-0001 Project Manager: Clay Green	<b>Reported:</b> 7/27/2023 1:30:01PM
--	---	---

**Cell 9 Vadose**  
**E307095-10**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329067
Benzene	ND	0.0250	1	07/20/23	07/21/23	
Ethylbenzene	ND	0.0250	1	07/20/23	07/21/23	
Toluene	ND	0.0250	1	07/20/23	07/21/23	
o-Xylene	ND	0.0250	1	07/20/23	07/21/23	
p,m-Xylene	ND	0.0500	1	07/20/23	07/21/23	
Total Xylenes	ND	0.0250	1	07/20/23	07/21/23	
<i>Surrogate: Bromofluorobenzene</i>		106 %	70-130	07/20/23	07/21/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.0 %	70-130	07/20/23	07/21/23	
<i>Surrogate: Toluene-d8</i>		100 %	70-130	07/20/23	07/21/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329067
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/20/23	07/21/23	
<i>Surrogate: Bromofluorobenzene</i>		106 %	70-130	07/20/23	07/21/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.0 %	70-130	07/20/23	07/21/23	
<i>Surrogate: Toluene-d8</i>		100 %	70-130	07/20/23	07/21/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2330034
Diesel Range Organics (C10-C28)	ND	25.0	1	07/25/23	07/27/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/25/23	07/27/23	
<i>Surrogate: n-Nonane</i>		115 %	50-200	07/25/23	07/27/23	



### Sample Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm Project Number: 17009-C-0001 Project Manager: Clay Green	<b>Reported:</b> 7/27/2023 1:30:01PM
--	---	---

**Cell 13 Vadose  
E307095-11**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2329067
Benzene	ND	0.0250	1	07/20/23	07/21/23	
Ethylbenzene	ND	0.0250	1	07/20/23	07/21/23	
Toluene	ND	0.0250	1	07/20/23	07/21/23	
o-Xylene	ND	0.0250	1	07/20/23	07/21/23	
p,m-Xylene	ND	0.0500	1	07/20/23	07/21/23	
Total Xylenes	ND	0.0250	1	07/20/23	07/21/23	
<i>Surrogate: Bromofluorobenzene</i>		103 %	70-130	07/20/23	07/21/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.9 %	70-130	07/20/23	07/21/23	
<i>Surrogate: Toluene-d8</i>		99.3 %	70-130	07/20/23	07/21/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2329067
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/20/23	07/21/23	
<i>Surrogate: Bromofluorobenzene</i>		103 %	70-130	07/20/23	07/21/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.9 %	70-130	07/20/23	07/21/23	
<i>Surrogate: Toluene-d8</i>		99.3 %	70-130	07/20/23	07/21/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2330034
Diesel Range Organics (C10-C28)	ND	25.0	1	07/25/23	07/27/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/25/23	07/27/23	
<i>Surrogate: n-Nonane</i>		112 %	50-200	07/25/23	07/27/23	

### Sample Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm Project Number: 17009-C-0001 Project Manager: Clay Green	<b>Reported:</b> 7/27/2023 1:30:01PM
--	---	---

**Cell 14 Vadose**

**E307095-12**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2329067
Benzene	ND	0.0250	1	07/20/23	07/22/23	
Ethylbenzene	ND	0.0250	1	07/20/23	07/22/23	
Toluene	ND	0.0250	1	07/20/23	07/22/23	
o-Xylene	ND	0.0250	1	07/20/23	07/22/23	
p,m-Xylene	ND	0.0500	1	07/20/23	07/22/23	
Total Xylenes	ND	0.0250	1	07/20/23	07/22/23	
<i>Surrogate: Bromofluorobenzene</i>		106 %	70-130	07/20/23	07/22/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.2 %	70-130	07/20/23	07/22/23	
<i>Surrogate: Toluene-d8</i>		99.6 %	70-130	07/20/23	07/22/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2329067
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/20/23	07/22/23	
<i>Surrogate: Bromofluorobenzene</i>		106 %	70-130	07/20/23	07/22/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.2 %	70-130	07/20/23	07/22/23	
<i>Surrogate: Toluene-d8</i>		99.6 %	70-130	07/20/23	07/22/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2330034
Diesel Range Organics (C10-C28)	ND	25.0	1	07/25/23	07/27/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/25/23	07/27/23	
<i>Surrogate: n-Nonane</i>		119 %	50-200	07/25/23	07/27/23	



### Sample Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm Project Number: 17009-C-0001 Project Manager: Clay Green	<b>Reported:</b> 7/27/2023 1:30:01PM
--	---	---

**Cell 1 Vadose**

**E307095-13**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2329067
Benzene	ND	0.0250	1	07/20/23	07/22/23	
Ethylbenzene	ND	0.0250	1	07/20/23	07/22/23	
Toluene	ND	0.0250	1	07/20/23	07/22/23	
o-Xylene	ND	0.0250	1	07/20/23	07/22/23	
p,m-Xylene	ND	0.0500	1	07/20/23	07/22/23	
Total Xylenes	ND	0.0250	1	07/20/23	07/22/23	
<i>Surrogate: Bromofluorobenzene</i>		106 %	70-130	07/20/23	07/22/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.0 %	70-130	07/20/23	07/22/23	
<i>Surrogate: Toluene-d8</i>		100 %	70-130	07/20/23	07/22/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2329067
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/20/23	07/22/23	
<i>Surrogate: Bromofluorobenzene</i>		106 %	70-130	07/20/23	07/22/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.0 %	70-130	07/20/23	07/22/23	
<i>Surrogate: Toluene-d8</i>		100 %	70-130	07/20/23	07/22/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2330034
Diesel Range Organics (C10-C28)	ND	25.0	1	07/25/23	07/27/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/25/23	07/27/23	
<i>Surrogate: n-Nonane</i>		107 %	50-200	07/25/23	07/27/23	



### Sample Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm Project Number: 17009-C-0001 Project Manager: Clay Green	<b>Reported:</b> 7/27/2023 1:30:01PM
--	---	---

**Cell 2 Vadose**  
**E307095-14**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>		mg/kg	mg/kg	Analyst: RKS		Batch: 2329067
Benzene	ND	0.0250	1	07/20/23	07/22/23	
Ethylbenzene	ND	0.0250	1	07/20/23	07/22/23	
Toluene	ND	0.0250	1	07/20/23	07/22/23	
o-Xylene	ND	0.0250	1	07/20/23	07/22/23	
p,m-Xylene	ND	0.0500	1	07/20/23	07/22/23	
Total Xylenes	ND	0.0250	1	07/20/23	07/22/23	
<i>Surrogate: Bromofluorobenzene</i>		106 %	70-130	07/20/23	07/22/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.4 %	70-130	07/20/23	07/22/23	
<i>Surrogate: Toluene-d8</i>		100 %	70-130	07/20/23	07/22/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>		mg/kg	mg/kg	Analyst: RKS		Batch: 2329067
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/20/23	07/22/23	
<i>Surrogate: Bromofluorobenzene</i>		106 %	70-130	07/20/23	07/22/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.4 %	70-130	07/20/23	07/22/23	
<i>Surrogate: Toluene-d8</i>		100 %	70-130	07/20/23	07/22/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>		mg/kg	mg/kg	Analyst: JL		Batch: 2330034
Diesel Range Organics (C10-C28)	36.6	25.0	1	07/25/23	07/27/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/25/23	07/27/23	
<i>Surrogate: n-Nonane</i>		111 %	50-200	07/25/23	07/27/23	



### QC Summary Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm Project Number: 17009-C-0001 Project Manager: Clay Green	<b>Reported:</b> 7/27/2023 1:30:01PM
--	---	---

#### Volatile Organic Compounds by EPA 8260B

Analyst: RKS

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

**Blank (2329067-BLK1)**

Prepared: 07/20/23 Analyzed: 07/21/23

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: Bromofluorobenzene	0.530		0.500		106		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.495		0.500		99.0		70-130		
Surrogate: Toluene-d8	0.505		0.500		101		70-130		

**LCS (2329067-BS1)**

Prepared: 07/20/23 Analyzed: 07/21/23

Benzene	2.40	0.0250	2.50		95.9		70-130		
Ethylbenzene	2.33	0.0250	2.50		93.4		70-130		
Toluene	2.28	0.0250	2.50		91.0		70-130		
o-Xylene	2.30	0.0250	2.50		92.2		70-130		
p,m-Xylene	4.54	0.0500	5.00		90.9		70-130		
Total Xylenes	6.85	0.0250	7.50		91.3		70-130		
Surrogate: Bromofluorobenzene	0.511		0.500		102		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.498		0.500		99.6		70-130		
Surrogate: Toluene-d8	0.489		0.500		97.7		70-130		

**Matrix Spike (2329067-MS1)**

Source: E307095-05

Prepared: 07/20/23 Analyzed: 07/21/23

Benzene	2.64	0.0250	2.50	ND	106		48-131		
Ethylbenzene	2.62	0.0250	2.50	ND	105		45-135		
Toluene	2.56	0.0250	2.50	ND	102		48-130		
o-Xylene	2.61	0.0250	2.50	ND	104		43-135		
p,m-Xylene	5.12	0.0500	5.00	ND	102		43-135		
Total Xylenes	7.74	0.0250	7.50	ND	103		43-135		
Surrogate: Bromofluorobenzene	0.517		0.500		103		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.491		0.500		98.1		70-130		
Surrogate: Toluene-d8	0.497		0.500		99.4		70-130		

**Matrix Spike Dup (2329067-MSD1)**

Source: E307095-05

Prepared: 07/20/23 Analyzed: 07/21/23

Benzene	2.38	0.0250	2.50	ND	95.2		48-131	10.4	23
Ethylbenzene	2.32	0.0250	2.50	ND	93.0		45-135	12.0	27
Toluene	2.28	0.0250	2.50	ND	91.2		48-130	11.6	24
o-Xylene	2.37	0.0250	2.50	ND	94.6		43-135	9.89	27
p,m-Xylene	4.62	0.0500	5.00	ND	92.5		43-135	10.3	27
Total Xylenes	6.99	0.0250	7.50	ND	93.2		43-135	10.2	27
Surrogate: Bromofluorobenzene	0.517		0.500		103		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.491		0.500		98.1		70-130		
Surrogate: Toluene-d8	0.497		0.500		99.4		70-130		



### QC Summary Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm Project Number: 17009-C-0001 Project Manager: Clay Green	<b>Reported:</b> 7/27/2023 1:30:01PM
--	---	---

#### Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

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

**Blank (2329067-BLK1)**

Prepared: 07/20/23 Analyzed: 07/21/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.530		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.495		0.500		99.0	70-130			
Surrogate: Toluene-d8	0.505		0.500		101	70-130			

**LCS (2329067-BS2)**

Prepared: 07/20/23 Analyzed: 07/21/23

Gasoline Range Organics (C6-C10)	51.6	20.0	50.0		103	70-130			
Surrogate: Bromofluorobenzene	0.529		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.504		0.500		101	70-130			
Surrogate: Toluene-d8	0.499		0.500		99.8	70-130			

**Matrix Spike (2329067-MS2)**

Source: E307095-05

Prepared: 07/20/23 Analyzed: 07/21/23

Gasoline Range Organics (C6-C10)	54.7	20.0	50.0	ND	109	70-130			
Surrogate: Bromofluorobenzene	0.534		0.500		107	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.525		0.500		105	70-130			
Surrogate: Toluene-d8	0.501		0.500		100	70-130			

**Matrix Spike Dup (2329067-MSD2)**

Source: E307095-05

Prepared: 07/20/23 Analyzed: 07/21/23

Gasoline Range Organics (C6-C10)	54.9	20.0	50.0	ND	110	70-130	0.340	20	
Surrogate: Bromofluorobenzene	0.535		0.500		107	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.502		0.500		100	70-130			
Surrogate: Toluene-d8	0.497		0.500		99.3	70-130			



### QC Summary Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm Project Number: 17009-C-0001 Project Manager: Clay Green	<b>Reported:</b> 7/27/2023 1:30:01PM
--	---	---

#### Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

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

**Blank (2330034-BLK1)**

Prepared: 07/25/23 Analyzed: 07/26/23

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n-Nonane</i>	53.7		50.0		107	50-200			

**LCS (2330034-BS1)**

Prepared: 07/25/23 Analyzed: 07/26/23

Diesel Range Organics (C10-C28)	290	25.0	250		116	38-132			
Surrogate: <i>n-Nonane</i>	57.0		50.0		114	50-200			

**Matrix Spike (2330034-MS1)**

Source: E307095-07

Prepared: 07/25/23 Analyzed: 07/26/23

Diesel Range Organics (C10-C28)	301	25.0	250	ND	120	38-132			
Surrogate: <i>n-Nonane</i>	54.0		50.0		108	50-200			

**Matrix Spike Dup (2330034-MSD1)**

Source: E307095-07

Prepared: 07/25/23 Analyzed: 07/26/23

Diesel Range Organics (C10-C28)	279	25.0	250	ND	111	38-132	7.76	20	
Surrogate: <i>n-Nonane</i>	51.7		50.0		103	50-200			

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 PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm Project Number: 17009-C-0001 Project Manager: Clay Green	<b>Reported:</b> 07/27/23 13:30
--	---	------------------------------------

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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



Client: <u>TNT Environmental</u>		Bill To		Lab Use Only		TAT			EPA Program				
Project: <u>TNT Landfarm</u>		Attention: <u>TNT Environmental</u>		Lab WO# <u>E301095</u>		Job Number <u>17009-C-0001</u>		1D	2D	3D	Standard	CWA	SDWA
Project Manager: <u>Clay Green</u>		Address:		Analysis and Method							RCRA		
Address:		City, State, Zip											
City, State, Zip		Phone:											
Phone:		Email:											
Email: <u>Clay@watsheng.net</u>													
Report due by: <u>Atleon B Sharma</u>													

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	State					Remarks			
											NM	CO	UT	AZ	TX					
9:30	7-20-23	S	1	Cell 3 Vadose	1	X	X	X				X							On Ice	
9:39				Cell 4 Vadose	2															
9:48				Cell 5 Vadose	3															
9:59				Cell 6 Vadose	4															
10:08				Cell 7 Vadose	5															
10:20				Cell 10 Vadose	6															
10:33				Cell 12 Vadose	7															
10:41				Cell 11 Vadose	8															
10:58				Cell 8 Vadose	9															
11:07				Cell 9 Vadose	10															

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.   
 Sampled by: Clay Green   
 Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature) <u>[Signature]</u>	Date <u>7-20-23</u>	Time <u>13:38</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>7/20/23</u>	Time <u>13:40</u>	Lab Use Only Received on Ice: <input checked="" type="radio"/> Y <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
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 30 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: 7/20/2023 1:59:30PM

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: 07/20/23 13:40 Work Order ID: E307095
Phone: (505) 860-6215 Date Logged In: 07/20/23 13:44 Logged In By: Caitlin Mars
Email: clay@walsheng.net Due Date: 07/27/23 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

Carrier: Clay Green

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

Sample 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? If yes, the recorded temp is 4°C, i.e., 6±2°C? Yes

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

- 13. If no visible ice, record the temperature. Actual sample temperature: 4°C

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? No
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

Empty box for Client Instruction

Comments/Resolution

Large empty box for Comments/Resolution

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

Date



envirotech Inc.

Report to:  
Clay Green



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

### TNT Environmental

Project Name: TNT Landfarm

Work Order: E309193

Job Number: 17009-C-0001

Received: 9/26/2023

Revision: 2

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
10/5/23

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: 10/5/23



Clay Green  
PO Box 2530  
Farmington, NM 87499

Project Name: TNT Landfarm  
Workorder: E309193  
Date Received: 9/26/2023 1:25:00PM

Clay Green,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/26/2023 1:25:00PM, under the Project Name: TNT Landfarm.

The analytical test results summarized in this report with the Project Name: TNT Landfarm 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,

**Walter Hinchman**  
Laboratory Director  
Office: 505-632-1881  
Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
Laboratory Administrator  
Office: 505-632-1881  
[rainaschwanz@envirotech-inc.com](mailto:rainaschwanz@envirotech-inc.com)

**Alexa Michaels**  
Sample Custody Officer  
Office: 505-632-1881  
[labadmin@envirotech-inc.com](mailto:labadmin@envirotech-inc.com)

Field Offices:

**Southern New Mexico Area**  
**Lynn Jarboe**  
Technical Representative/Client Services  
Office: 505-421-LABS(5227)  
Cell: 505-320-4759  
[ljjarboe@envirotech-inc.com](mailto:ljjarboe@envirotech-inc.com)

**West Texas Midland/Odessa Area**  
**Rayny Hagan**  
Technical Representative  
Office: 505-421-LABS(5227)

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

## Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	5
Sample Data	6
Cell 1 Vadose	6
Cell 2 Vadose	8
Cell 3 Vadose	10
Cell 4 Vadose	12
Cell 5 Vadose	14
Cell 6 Vadose	16
Cell 7 Vadose	18
Cell 8 Vadose	20
Cell 9 Vadose	22
Cell 10 Vadose	24
Cell 11 Vadose	26
Cell 12 Vadose	28
Cell 13 Vadose	30
Cell 14 Vadose	32
QC Summary Data	34
QC - Volatile Organics by EPA 8021B	34
QC - Nonhalogenated Organics by EPA 8015D - GRO	35
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	36
QC - Total Metals by EPA 6010C	37
QC - Anions by EPA 300.0/9056A	38

## Table of Contents (continued)

QC - Total Mercury by EPA 7471B	39
Definitions and Notes	40
Chain of Custody etc.	41

### Sample Summary

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm Project Number: 17009-C-0001 Project Manager: Clay Green	<b>Reported:</b> 10/05/23 10:56
--	---	------------------------------------

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Cell 1 Vadose	E309193-01A	Soil	09/26/23	09/26/23	Glass Jar, 4 oz.
Cell 2 Vadose	E309193-02A	Soil	09/26/23	09/26/23	Glass Jar, 4 oz.
Cell 3 Vadose	E309193-03A	Soil	09/26/23	09/26/23	Glass Jar, 4 oz.
Cell 4 Vadose	E309193-04A	Soil	09/26/23	09/26/23	Glass Jar, 4 oz.
Cell 5 Vadose	E309193-05A	Soil	09/26/23	09/26/23	Glass Jar, 4 oz.
Cell 6 Vadose	E309193-06A	Soil	09/26/23	09/26/23	Glass Jar, 4 oz.
Cell 7 Vadose	E309193-07A	Soil	09/26/23	09/26/23	Glass Jar, 4 oz.
Cell 8 Vadose	E309193-08A	Soil	09/26/23	09/26/23	Glass Jar, 4 oz.
Cell 9 Vadose	E309193-09A	Soil	09/26/23	09/26/23	Glass Jar, 4 oz.
Cell 10 Vadose	E309193-10A	Soil	09/26/23	09/26/23	Glass Jar, 4 oz.
Cell 11 Vadose	E309193-11A	Soil	09/26/23	09/26/23	Glass Jar, 4 oz.
Cell 12 Vadose	E309193-12A	Soil	09/26/23	09/26/23	Glass Jar, 4 oz.
Cell 13 Vadose	E309193-13A	Soil	09/26/23	09/26/23	Glass Jar, 4 oz.
Cell 14 Vadose	E309193-14A	Soil	09/26/23	09/26/23	Glass Jar, 4 oz.

### Sample Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm Project Number: 17009-C-0001 Project Manager: Clay Green	<b>Reported:</b> 10/5/2023 10:56:01AM
--	---	--

**Cell 1 Vadose**  
**E309193-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
---------	--------	-----------------	----------	----------	----------	-------

<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2339030
Benzene	ND	0.0250	1	09/26/23	09/27/23
Ethylbenzene	ND	0.0250	1	09/26/23	09/27/23
Toluene	ND	0.0250	1	09/26/23	09/27/23
o-Xylene	ND	0.0250	1	09/26/23	09/27/23
p,m-Xylene	ND	0.0500	1	09/26/23	09/27/23
Total Xylenes	ND	0.0250	1	09/26/23	09/27/23

*Surrogate: 4-Bromochlorobenzene-PID*      95.8 %      70-130      09/26/23      09/27/23

<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2339030
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/26/23	09/27/23

*Surrogate: 1-Chloro-4-fluorobenzene-FID*      93.3 %      70-130      09/26/23      09/27/23

<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2339020
Diesel Range Organics (C10-C28)	ND	25.0	1	09/26/23	09/26/23
Oil Range Organics (C28-C36)	ND	50.0	1	09/26/23	09/26/23

*Surrogate: n-Nonane*      106 %      50-200      09/26/23      09/26/23

<b>Total Metals by EPA 6010C</b>	mg/kg	mg/kg	Analyst: JL		Batch: 2339057
Arsenic	ND	0.500	1	09/28/23	10/03/23
Barium	<b>83.6</b>	6.25	1	09/28/23	10/03/23
Cadmium	<b>0.915</b>	0.250	1	09/28/23	10/03/23
Chromium	<b>14.2</b>	0.500	1	09/28/23	10/03/23
Calcium	<b>2350</b>	25.0	1	09/28/23	10/03/23
Lead	<b>2.96</b>	0.250	1	09/28/23	10/03/23
Iron	<b>12100</b>	50.0	1	09/28/23	10/03/23
Magnesium	<b>3130</b>	25.0	1	09/28/23	10/03/23
Selenium	ND	1.25	1	09/28/23	10/03/23
Silver	ND	0.250	1	09/28/23	10/03/23
Potassium	<b>974</b>	25.0	1	09/28/23	10/03/23
Sodium	<b>220</b>	50.0	1	09/28/23	10/03/23



### Sample Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm Project Number: 17009-C-0001 Project Manager: Clay Green	<b>Reported:</b> 10/5/2023 10:56:01AM
--	---	--

**Cell 1 Vadose**

**E309193-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2339033
Fluoride	ND	2.50	1	09/27/23	09/28/23	
Chloride	ND	20.0	1	09/27/23	09/28/23	
Nitrite-N	ND	2.50	1	09/27/23	09/28/23	
Nitrate-N	<b>2.52</b>	2.50	1	09/27/23	09/28/23	
o-Phosphate-P	ND	2.50	1	09/27/23	09/28/23	
Sulfate	<b>91.0</b>	20.0	1	09/27/23	09/28/23	
<b>Total Mercury by EPA 7471B</b>	ug/kg	ug/kg		Analyst: JL		Batch: 2339067
Mercury	ND	20.0	1	09/28/23	09/29/23	



### Sample Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm Project Number: 17009-C-0001 Project Manager: Clay Green	<b>Reported:</b> 10/5/2023 10:56:01AM
--	---	--

**Cell 2 Vadose**  
**E309193-02**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>		mg/kg	mg/kg	Analyst: IY		Batch: 2339030
Benzene	ND	0.0250	1	09/26/23	09/27/23	
Ethylbenzene	ND	0.0250	1	09/26/23	09/27/23	
Toluene	ND	0.0250	1	09/26/23	09/27/23	
o-Xylene	ND	0.0250	1	09/26/23	09/27/23	
p,m-Xylene	ND	0.0500	1	09/26/23	09/27/23	
Total Xylenes	ND	0.0250	1	09/26/23	09/27/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		94.8 %	70-130	09/26/23	09/27/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>		mg/kg	mg/kg	Analyst: IY		Batch: 2339030
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/26/23	09/27/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.3 %	70-130	09/26/23	09/27/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>		mg/kg	mg/kg	Analyst: KM		Batch: 2339020
Diesel Range Organics (C10-C28)	ND	25.0	1	09/26/23	09/26/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/26/23	09/26/23	
<i>Surrogate: n-Nonane</i>		106 %	50-200	09/26/23	09/26/23	
<b>Total Metals by EPA 6010C</b>		mg/kg	mg/kg	Analyst: JL		Batch: 2339057
Arsenic	ND	0.500	1	09/28/23	10/03/23	
Barium	94.9	6.25	1	09/28/23	10/03/23	
Cadmium	1.51	0.250	1	09/28/23	10/03/23	
Chromium	20.5	0.500	1	09/28/23	10/03/23	
Calcium	8520	25.0	1	09/28/23	10/03/23	
Lead	3.94	0.250	1	09/28/23	10/03/23	
Iron	15600	50.0	1	09/28/23	10/03/23	
Magnesium	4970	25.0	1	09/28/23	10/03/23	
Selenium	ND	1.25	1	09/28/23	10/03/23	
Silver	ND	0.250	1	09/28/23	10/03/23	
Potassium	1460	25.0	1	09/28/23	10/03/23	
Sodium	158	50.0	1	09/28/23	10/03/23	



### Sample Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm Project Number: 17009-C-0001 Project Manager: Clay Green	<b>Reported:</b> 10/5/2023 10:56:01AM
--	---	--

**Cell 2 Vadose**

**E309193-02**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2339033
Fluoride	2.75	2.50	1	09/27/23	09/28/23	
Chloride	20.1	20.0	1	09/27/23	09/28/23	
Nitrite-N	ND	2.50	1	09/27/23	09/28/23	
Nitrate-N	ND	2.50	1	09/27/23	09/28/23	
o-Phosphate-P	ND	2.50	1	09/27/23	09/28/23	
Sulfate	146	20.0	1	09/27/23	09/28/23	
<b>Total Mercury by EPA 7471B</b>	ug/kg	ug/kg		Analyst: JL		Batch: 2339067
Mercury	ND	20.0	1	09/28/23	09/29/23	



### Sample Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm Project Number: 17009-C-0001 Project Manager: Clay Green	<b>Reported:</b> 10/5/2023 10:56:01AM
--	---	--

**Cell 3 Vadose**  
**E309193-03**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>		mg/kg	mg/kg	Analyst: IY		Batch: 2339030
Benzene	ND	0.0250	1	09/26/23	09/27/23	
Ethylbenzene	ND	0.0250	1	09/26/23	09/27/23	
Toluene	ND	0.0250	1	09/26/23	09/27/23	
o-Xylene	ND	0.0250	1	09/26/23	09/27/23	
p,m-Xylene	ND	0.0500	1	09/26/23	09/27/23	
Total Xylenes	ND	0.0250	1	09/26/23	09/27/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		95.1 %	70-130	09/26/23	09/27/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>		mg/kg	mg/kg	Analyst: IY		Batch: 2339030
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/26/23	09/27/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.0 %	70-130	09/26/23	09/27/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>		mg/kg	mg/kg	Analyst: KM		Batch: 2339020
Diesel Range Organics (C10-C28)	ND	25.0	1	09/26/23	09/26/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/26/23	09/26/23	
<i>Surrogate: n-Nonane</i>		121 %	50-200	09/26/23	09/26/23	
<b>Total Metals by EPA 6010C</b>		mg/kg	mg/kg	Analyst: JL		Batch: 2339057
Arsenic	ND	0.500	1	09/28/23	10/03/23	
Barium	86.2	6.25	1	09/28/23	10/03/23	
Cadmium	0.930	0.250	1	09/28/23	10/03/23	
Chromium	13.5	0.500	1	09/28/23	10/03/23	
Calcium	6180	25.0	1	09/28/23	10/03/23	
Lead	2.77	0.250	1	09/28/23	10/03/23	
Iron	11100	50.0	1	09/28/23	10/03/23	
Magnesium	3370	25.0	1	09/28/23	10/03/23	
Selenium	ND	1.25	1	09/28/23	10/03/23	
Silver	ND	0.250	1	09/28/23	10/03/23	
Potassium	920	25.0	1	09/28/23	10/03/23	
Sodium	164	50.0	1	09/28/23	10/03/23	



### Sample Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm Project Number: 17009-C-0001 Project Manager: Clay Green	<b>Reported:</b> 10/5/2023 10:56:01AM
--	---	--

**Cell 3 Vadose**

**E309193-03**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2339033
Fluoride	ND	2.50	1	09/27/23	09/28/23	
Chloride	ND	20.0	1	09/27/23	09/28/23	
Nitrite-N	ND	2.50	1	09/27/23	09/28/23	
Nitrate-N	ND	2.50	1	09/27/23	09/28/23	
o-Phosphate-P	ND	2.50	1	09/27/23	09/28/23	
Sulfate	<b>64.4</b>	20.0	1	09/27/23	09/28/23	
<b>Total Mercury by EPA 7471B</b>	ug/kg	ug/kg		Analyst: JL		Batch: 2339067
Mercury	ND	20.0	1	09/28/23	09/29/23	



### Sample Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm Project Number: 17009-C-0001 Project Manager: Clay Green	<b>Reported:</b> 10/5/2023 10:56:01AM
--	---	--

**Cell 4 Vadose**  
**E309193-04**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2339030
Benzene	ND	0.0250	1	09/26/23	09/27/23	
Ethylbenzene	ND	0.0250	1	09/26/23	09/27/23	
Toluene	ND	0.0250	1	09/26/23	09/27/23	
o-Xylene	ND	0.0250	1	09/26/23	09/27/23	
p,m-Xylene	ND	0.0500	1	09/26/23	09/27/23	
Total Xylenes	ND	0.0250	1	09/26/23	09/27/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		95.4 %	70-130	09/26/23	09/27/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2339030
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/26/23	09/27/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.4 %	70-130	09/26/23	09/27/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: KM		Batch: 2339020
Diesel Range Organics (C10-C28)	ND	25.0	1	09/26/23	09/26/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/26/23	09/26/23	
<i>Surrogate: n-Nonane</i>		99.3 %	50-200	09/26/23	09/26/23	
<b>Total Metals by EPA 6010C</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2339057
Arsenic	ND	0.500	1	09/28/23	10/03/23	
Barium	172	6.25	1	09/28/23	10/03/23	
Cadmium	2.49	0.250	1	09/28/23	10/03/23	
Chromium	34.8	0.500	1	09/28/23	10/03/23	
Calcium	6870	25.0	1	09/28/23	10/03/23	
Lead	4.85	0.250	1	09/28/23	10/03/23	
Iron	36000	500	10	09/28/23	10/03/23	
Magnesium	8340	25.0	1	09/28/23	10/03/23	
Selenium	ND	1.25	1	09/28/23	10/03/23	
Silver	ND	0.250	1	09/28/23	10/03/23	
Potassium	3310	25.0	1	09/28/23	10/03/23	
Sodium	523	50.0	1	09/28/23	10/03/23	



### Sample Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm Project Number: 17009-C-0001 Project Manager: Clay Green	<b>Reported:</b> 10/5/2023 10:56:01AM
--	---	--

**Cell 4 Vadose**

**E309193-04**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2339033
Fluoride	13.0	2.50	1	09/27/23	09/28/23	
Chloride	151	20.0	1	09/27/23	09/28/23	
Nitrite-N	ND	2.50	1	09/27/23	09/28/23	
Nitrate-N	4.69	2.50	1	09/27/23	09/28/23	
o-Phosphate-P	ND	2.50	1	09/27/23	09/28/23	
Sulfate	76.8	20.0	1	09/27/23	09/28/23	
<b>Total Mercury by EPA 7471B</b>	ug/kg	ug/kg		Analyst: JL		Batch: 2339067
Mercury	ND	20.0	1	09/28/23	09/29/23	



### Sample Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm Project Number: 17009-C-0001 Project Manager: Clay Green	<b>Reported:</b> 10/5/2023 10:56:01AM
--	---	--

**Cell 5 Vadose**  
**E309193-05**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2339030
Benzene	ND	0.0250	1	09/26/23	09/27/23	
Ethylbenzene	ND	0.0250	1	09/26/23	09/27/23	
Toluene	ND	0.0250	1	09/26/23	09/27/23	
o-Xylene	ND	0.0250	1	09/26/23	09/27/23	
p,m-Xylene	ND	0.0500	1	09/26/23	09/27/23	
Total Xylenes	ND	0.0250	1	09/26/23	09/27/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		96.0 %	70-130	09/26/23	09/27/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2339030
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/26/23	09/27/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.1 %	70-130	09/26/23	09/27/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2339020
Diesel Range Organics (C10-C28)	ND	25.0	1	09/26/23	09/26/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/26/23	09/26/23	
<i>Surrogate: n-Nonane</i>						
		101 %	50-200	09/26/23	09/26/23	
<b>Total Metals by EPA 6010C</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2339057
Arsenic	ND	0.500	1	09/28/23	10/03/23	
Barium	78.0	6.25	1	09/28/23	10/03/23	
Cadmium	1.06	0.250	1	09/28/23	10/03/23	
Chromium	15.7	0.500	1	09/28/23	10/03/23	
Calcium	2670	25.0	1	09/28/23	10/03/23	
Lead	3.28	0.250	1	09/28/23	10/03/23	
Iron	12900	50.0	1	09/28/23	10/03/23	
Magnesium	3580	25.0	1	09/28/23	10/03/23	
Selenium	ND	1.25	1	09/28/23	10/03/23	
Silver	ND	0.250	1	09/28/23	10/03/23	
Potassium	1120	25.0	1	09/28/23	10/03/23	
Sodium	131	50.0	1	09/28/23	10/03/23	



### Sample Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm Project Number: 17009-C-0001 Project Manager: Clay Green	<b>Reported:</b> 10/5/2023 10:56:01AM
--	---	--

**Cell 5 Vadose**

**E309193-05**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2339033
Fluoride	ND	2.50	1	09/27/23	09/28/23	
Chloride	<b>25.0</b>	20.0	1	09/27/23	09/28/23	
Nitrite-N	ND	2.50	1	09/27/23	09/28/23	
Nitrate-N	<b>7.47</b>	2.50	1	09/27/23	09/28/23	
o-Phosphate-P	ND	2.50	1	09/27/23	09/28/23	
Sulfate	ND	20.0	1	09/27/23	09/28/23	
<b>Total Mercury by EPA 7471B</b>	ug/kg	ug/kg		Analyst: JL		Batch: 2339067
Mercury	ND	20.0	1	09/28/23	09/29/23	



### Sample Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm Project Number: 17009-C-0001 Project Manager: Clay Green	<b>Reported:</b> 10/5/2023 10:56:01AM
--	---	--

**Cell 6 Vadose**  
**E309193-06**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2339030
Benzene	ND	0.0250	1	09/26/23	09/27/23	
Ethylbenzene	ND	0.0250	1	09/26/23	09/27/23	
Toluene	ND	0.0250	1	09/26/23	09/27/23	
o-Xylene	ND	0.0250	1	09/26/23	09/27/23	
p,m-Xylene	ND	0.0500	1	09/26/23	09/27/23	
Total Xylenes	ND	0.0250	1	09/26/23	09/27/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		95.4 %	70-130	09/26/23	09/27/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2339030
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/26/23	09/27/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.0 %	70-130	09/26/23	09/27/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: KM		Batch: 2339020
Diesel Range Organics (C10-C28)	33.2	25.0	1	09/26/23	09/26/23	T17
Oil Range Organics (C28-C36)	ND	50.0	1	09/26/23	09/26/23	
<i>Surrogate: n-Nonane</i>		108 %	50-200	09/26/23	09/26/23	
<b>Total Metals by EPA 6010C</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2339057
Arsenic	ND	0.500	1	09/28/23	10/03/23	
Barium	128	6.25	1	09/28/23	10/03/23	
Cadmium	1.78	0.250	1	09/28/23	10/03/23	
Chromium	24.1	0.500	1	09/28/23	10/03/23	
Calcium	11000	25.0	1	09/28/23	10/03/23	
Lead	4.31	0.250	1	09/28/23	10/03/23	
Iron	26500	500	10	09/28/23	10/03/23	
Magnesium	5990	25.0	1	09/28/23	10/03/23	
Selenium	ND	1.25	1	09/28/23	10/03/23	
Silver	ND	0.250	1	09/28/23	10/03/23	
Potassium	1770	25.0	1	09/28/23	10/03/23	
Sodium	196	50.0	1	09/28/23	10/03/23	



### Sample Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm Project Number: 17009-C-0001 Project Manager: Clay Green	<b>Reported:</b> 10/5/2023 10:56:01AM
--	---	--

**Cell 6 Vadose**  
**E309193-06**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2339033
Fluoride	3.54	2.50	1	09/27/23	09/28/23	
Chloride	26.0	20.0	1	09/27/23	09/28/23	
Nitrite-N	ND	2.50	1	09/27/23	09/28/23	
Nitrate-N	ND	2.50	1	09/27/23	09/28/23	
o-Phosphate-P	ND	2.50	1	09/27/23	09/28/23	
Sulfate	193	20.0	1	09/27/23	09/28/23	
<b>Total Mercury by EPA 7471B</b>	ug/kg	ug/kg		Analyst: JL		Batch: 2339067
Mercury	ND	20.0	1	09/28/23	09/29/23	



### Sample Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm Project Number: 17009-C-0001 Project Manager: Clay Green	<b>Reported:</b> 10/5/2023 10:56:01AM
--	---	--

**Cell 7 Vadose**

**E309193-07**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2339030
Benzene	ND	0.0250	1	09/26/23	09/27/23	
Ethylbenzene	ND	0.0250	1	09/26/23	09/27/23	
Toluene	ND	0.0250	1	09/26/23	09/27/23	
o-Xylene	ND	0.0250	1	09/26/23	09/27/23	
p,m-Xylene	ND	0.0500	1	09/26/23	09/27/23	
Total Xylenes	ND	0.0250	1	09/26/23	09/27/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		96.6 %	70-130	09/26/23	09/27/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2339030
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/26/23	09/27/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.4 %	70-130	09/26/23	09/27/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: KM		Batch: 2339020
Diesel Range Organics (C10-C28)	ND	25.0	1	09/26/23	09/26/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/26/23	09/26/23	
<i>Surrogate: n-Nonane</i>		105 %	50-200	09/26/23	09/26/23	
<b>Total Metals by EPA 6010C</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2339057
Arsenic	ND	0.500	1	09/28/23	10/03/23	
Barium	87.4	6.25	1	09/28/23	10/03/23	
Cadmium	1.13	0.250	1	09/28/23	10/03/23	
Chromium	17.7	0.500	1	09/28/23	10/03/23	
Calcium	4580	25.0	1	09/28/23	10/03/23	
Lead	3.36	0.250	1	09/28/23	10/03/23	
Iron	13500	50.0	1	09/28/23	10/03/23	
Magnesium	4200	25.0	1	09/28/23	10/03/23	
Selenium	ND	1.25	1	09/28/23	10/03/23	
Silver	ND	0.250	1	09/28/23	10/03/23	
Potassium	1470	25.0	1	09/28/23	10/03/23	
Sodium	179	50.0	1	09/28/23	10/03/23	



### Sample Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm Project Number: 17009-C-0001 Project Manager: Clay Green	<b>Reported:</b> 10/5/2023 10:56:01AM
--	---	--

**Cell 7 Vadose**

**E309193-07**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2339033
Fluoride	4.29	2.50	1	09/27/23	09/28/23	
Chloride	57.5	20.0	1	09/27/23	09/28/23	
Nitrite-N	ND	2.50	1	09/27/23	09/28/23	
Nitrate-N	4.06	2.50	1	09/27/23	09/28/23	
o-Phosphate-P	ND	2.50	1	09/27/23	09/28/23	
Sulfate	31.1	20.0	1	09/27/23	09/28/23	
<b>Total Mercury by EPA 7471B</b>	ug/kg	ug/kg		Analyst: JL		Batch: 2339067
Mercury	ND	20.0	1	09/28/23	09/29/23	



### Sample Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm Project Number: 17009-C-0001 Project Manager: Clay Green	<b>Reported:</b> 10/5/2023 10:56:01AM
--	---	--

**Cell 8 Vadose**  
**E309193-08**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2339030
Benzene	ND	0.0250	1	09/26/23	09/27/23	
Ethylbenzene	ND	0.0250	1	09/26/23	09/27/23	
Toluene	ND	0.0250	1	09/26/23	09/27/23	
o-Xylene	ND	0.0250	1	09/26/23	09/27/23	
p,m-Xylene	ND	0.0500	1	09/26/23	09/27/23	
Total Xylenes	ND	0.0250	1	09/26/23	09/27/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		95.9 %	70-130	09/26/23	09/27/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2339030
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/26/23	09/27/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.6 %	70-130	09/26/23	09/27/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: KM		Batch: 2339020
Diesel Range Organics (C10-C28)	ND	25.0	1	09/26/23	09/27/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/26/23	09/27/23	
<i>Surrogate: n-Nonane</i>		106 %	50-200	09/26/23	09/27/23	
<b>Total Metals by EPA 6010C</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2339057
Arsenic	ND	0.500	1	09/28/23	10/03/23	
Barium	176	6.25	1	09/28/23	10/03/23	
Cadmium	2.25	0.250	1	09/28/23	10/03/23	
Chromium	30.2	0.500	1	09/28/23	10/03/23	
Calcium	8390	25.0	1	09/28/23	10/03/23	
Lead	5.07	0.250	1	09/28/23	10/03/23	
Iron	32100	500	10	09/28/23	10/03/23	
Magnesium	7250	25.0	1	09/28/23	10/03/23	
Selenium	ND	1.25	1	09/28/23	10/03/23	
Silver	ND	0.250	1	09/28/23	10/03/23	
Potassium	2930	25.0	1	09/28/23	10/03/23	
Sodium	791	50.0	1	09/28/23	10/03/23	



### Sample Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm Project Number: 17009-C-0001 Project Manager: Clay Green	<b>Reported:</b> 10/5/2023 10:56:01AM
--	---	--

**Cell 8 Vadose**

**E309193-08**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2339033
Fluoride	20.9	2.50	1	09/27/23	09/28/23	
Chloride	561	20.0	1	09/27/23	09/28/23	
Nitrite-N	ND	2.50	1	09/27/23	09/28/23	
Nitrate-N	ND	2.50	1	09/27/23	09/28/23	
o-Phosphate-P	ND	2.50	1	09/27/23	09/28/23	
Sulfate	228	20.0	1	09/27/23	09/28/23	
<b>Total Mercury by EPA 7471B</b>	ug/kg	ug/kg		Analyst: JL		Batch: 2339067
Mercury	ND	20.0	1	09/28/23	10/02/23	



### Sample Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm Project Number: 17009-C-0001 Project Manager: Clay Green	<b>Reported:</b> 10/5/2023 10:56:01AM
--	---	--

**Cell 9 Vadose**  
**E309193-09**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2339030
Benzene	ND	0.0250	1	09/26/23	09/27/23	
Ethylbenzene	ND	0.0250	1	09/26/23	09/27/23	
Toluene	ND	0.0250	1	09/26/23	09/27/23	
o-Xylene	ND	0.0250	1	09/26/23	09/27/23	
p,m-Xylene	ND	0.0500	1	09/26/23	09/27/23	
Total Xylenes	ND	0.0250	1	09/26/23	09/27/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		92.7 %	70-130	09/26/23	09/27/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2339030
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/26/23	09/27/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.2 %	70-130	09/26/23	09/27/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: KM		Batch: 2339020
Diesel Range Organics (C10-C28)	ND	25.0	1	09/26/23	09/27/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/26/23	09/27/23	
<i>Surrogate: n-Nonane</i>		99.7 %	50-200	09/26/23	09/27/23	
<b>Total Metals by EPA 6010C</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2339057
Arsenic	ND	0.500	1	09/28/23	10/03/23	
Barium	189	6.25	1	09/28/23	10/03/23	
Cadmium	1.67	0.250	1	09/28/23	10/03/23	
Chromium	23.6	0.500	1	09/28/23	10/03/23	
Calcium	6830	25.0	1	09/28/23	10/03/23	
Lead	4.37	0.250	1	09/28/23	10/03/23	
Iron	26100	500	10	09/28/23	10/04/23	
Magnesium	5530	25.0	1	09/28/23	10/03/23	
Selenium	ND	1.25	1	09/28/23	10/03/23	
Silver	ND	0.250	1	09/28/23	10/03/23	
Potassium	2160	25.0	1	09/28/23	10/03/23	
Sodium	220	50.0	1	09/28/23	10/03/23	



### Sample Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm Project Number: 17009-C-0001 Project Manager: Clay Green	<b>Reported:</b> 10/5/2023 10:56:01AM
--	---	--

**Cell 9 Vadose**

**E309193-09**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2339033	
Fluoride	<b>3.10</b>	2.50	1	09/27/23	09/28/23	
Chloride	<b>146</b>	20.0	1	09/27/23	09/28/23	
Nitrite-N	ND	2.50	1	09/27/23	09/28/23	
Nitrate-N	ND	2.50	1	09/27/23	09/28/23	
o-Phosphate-P	ND	2.50	1	09/27/23	09/28/23	
Sulfate	<b>26.3</b>	20.0	1	09/27/23	09/28/23	
<b>Total Mercury by EPA 7471B</b>	ug/kg	ug/kg	Analyst: JL		Batch: 2339067	
Mercury	ND	20.0	1	09/28/23	09/29/23	



### Sample Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm Project Number: 17009-C-0001 Project Manager: Clay Green	<b>Reported:</b> 10/5/2023 10:56:01AM
--	---	--

**Cell 10 Vadose**  
**E309193-10**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2339030
Benzene	ND	0.0250	1	09/26/23	09/27/23	
Ethylbenzene	ND	0.0250	1	09/26/23	09/27/23	
Toluene	ND	0.0250	1	09/26/23	09/27/23	
o-Xylene	ND	0.0250	1	09/26/23	09/27/23	
p,m-Xylene	ND	0.0500	1	09/26/23	09/27/23	
Total Xylenes	ND	0.0250	1	09/26/23	09/27/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		94.4 %	70-130	09/26/23	09/27/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2339030
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/26/23	09/27/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		94.6 %	70-130	09/26/23	09/27/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2339020
Diesel Range Organics (C10-C28)	ND	25.0	1	09/26/23	09/27/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/26/23	09/27/23	
<i>Surrogate: n-Nonane</i>						
		103 %	50-200	09/26/23	09/27/23	
<b>Total Metals by EPA 6010C</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2339057
Arsenic	ND	0.500	1	09/28/23	10/03/23	
Barium	68.8	6.25	1	09/28/23	10/03/23	
Cadmium	0.578	0.250	1	09/28/23	10/03/23	
Chromium	9.55	0.500	1	09/28/23	10/03/23	
Calcium	3460	25.0	1	09/28/23	10/03/23	
Lead	2.23	0.250	1	09/28/23	10/03/23	
Iron	8470	50.0	1	09/28/23	10/03/23	
Magnesium	2150	25.0	1	09/28/23	10/03/23	
Selenium	ND	1.25	1	09/28/23	10/03/23	
Silver	ND	0.250	1	09/28/23	10/03/23	
Potassium	656	25.0	1	09/28/23	10/03/23	
Sodium	ND	50.0	1	09/28/23	10/03/23	



### Sample Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm Project Number: 17009-C-0001 Project Manager: Clay Green	<b>Reported:</b> 10/5/2023 10:56:01AM
--	---	--

**Cell 10 Vadose**

**E309193-10**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2339033
Fluoride	ND	2.50	1	09/27/23	09/28/23	
Chloride	<b>36.7</b>	20.0	1	09/27/23	09/28/23	
Nitrite-N	ND	2.50	1	09/27/23	09/28/23	
Nitrate-N	ND	2.50	1	09/27/23	09/28/23	
o-Phosphate-P	ND	2.50	1	09/27/23	09/28/23	
Sulfate	ND	20.0	1	09/27/23	09/28/23	
<b>Total Mercury by EPA 7471B</b>	ug/kg	ug/kg		Analyst: JL		Batch: 2339067
Mercury	ND	20.0	1	09/28/23	09/29/23	



### Sample Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm Project Number: 17009-C-0001 Project Manager: Clay Green	<b>Reported:</b> 10/5/2023 10:56:01AM
--	---	--

**Cell 11 Vadose  
E309193-11**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>		mg/kg	mg/kg	Analyst: IY		Batch: 2339030
Benzene	ND	0.0250	1	09/26/23	09/27/23	
Ethylbenzene	ND	0.0250	1	09/26/23	09/27/23	
Toluene	ND	0.0250	1	09/26/23	09/27/23	
o-Xylene	ND	0.0250	1	09/26/23	09/27/23	
p,m-Xylene	ND	0.0500	1	09/26/23	09/27/23	
Total Xylenes	ND	0.0250	1	09/26/23	09/27/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		94.2 %	70-130	09/26/23	09/27/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>		mg/kg	mg/kg	Analyst: IY		Batch: 2339030
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/26/23	09/27/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.0 %	70-130	09/26/23	09/27/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>		mg/kg	mg/kg	Analyst: KM		Batch: 2339020
Diesel Range Organics (C10-C28)	ND	25.0	1	09/26/23	09/27/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/26/23	09/27/23	
<i>Surrogate: n-Nonane</i>		101 %	50-200	09/26/23	09/27/23	
<b>Total Metals by EPA 6010C</b>		mg/kg	mg/kg	Analyst: JL		Batch: 2339057
Arsenic	<b>0.593</b>	0.500	1	09/28/23	10/03/23	
Barium	<b>212</b>	6.25	1	09/28/23	10/03/23	
Cadmium	<b>1.91</b>	0.250	1	09/28/23	10/03/23	
Chromium	<b>23.2</b>	0.500	1	09/28/23	10/03/23	
Calcium	<b>5130</b>	25.0	1	09/28/23	10/03/23	
Lead	<b>6.01</b>	0.250	1	09/28/23	10/03/23	
Iron	<b>32400</b>	500	10	09/28/23	10/04/23	
Magnesium	<b>4720</b>	25.0	1	09/28/23	10/03/23	
Selenium	ND	1.25	1	09/28/23	10/03/23	
Silver	ND	0.250	1	09/28/23	10/03/23	
Potassium	<b>2040</b>	25.0	1	09/28/23	10/03/23	
Sodium	<b>302</b>	50.0	1	09/28/23	10/03/23	



### Sample Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm Project Number: 17009-C-0001 Project Manager: Clay Green	<b>Reported:</b> 10/5/2023 10:56:01AM
--	---	--

**Cell 11 Vadose**

**E309193-11**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2339033
Fluoride	3.62	2.50	1	09/27/23	09/28/23	
Chloride	44.3	20.0	1	09/27/23	09/28/23	
Nitrite-N	ND	2.50	1	09/27/23	09/28/23	
Nitrate-N	ND	2.50	1	09/27/23	09/28/23	
o-Phosphate-P	ND	2.50	1	09/27/23	09/28/23	
Sulfate	48.0	20.0	1	09/27/23	09/28/23	
<b>Total Mercury by EPA 7471B</b>	ug/kg	ug/kg		Analyst: JL		Batch: 2339067
Mercury	ND	20.0	1	09/28/23	09/29/23	



### Sample Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm Project Number: 17009-C-0001 Project Manager: Clay Green	<b>Reported:</b> 10/5/2023 10:56:01AM
--	---	--

**Cell 12 Vadose**  
**E309193-12**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>		mg/kg	mg/kg	Analyst: IY		Batch: 2339030
Benzene	ND	0.0250	1	09/26/23	09/27/23	
Ethylbenzene	ND	0.0250	1	09/26/23	09/27/23	
Toluene	ND	0.0250	1	09/26/23	09/27/23	
o-Xylene	ND	0.0250	1	09/26/23	09/27/23	
p,m-Xylene	ND	0.0500	1	09/26/23	09/27/23	
Total Xylenes	ND	0.0250	1	09/26/23	09/27/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		94.7 %	70-130	09/26/23	09/27/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>		mg/kg	mg/kg	Analyst: IY		Batch: 2339030
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/26/23	09/27/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.5 %	70-130	09/26/23	09/27/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>		mg/kg	mg/kg	Analyst: KM		Batch: 2339020
Diesel Range Organics (C10-C28)	ND	25.0	1	09/26/23	09/27/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/26/23	09/27/23	
<i>Surrogate: n-Nonane</i>		100 %	50-200	09/26/23	09/27/23	
<b>Total Metals by EPA 6010C</b>		mg/kg	mg/kg	Analyst: JL		Batch: 2339057
Arsenic	ND	0.500	1	09/28/23	10/03/23	
Barium	172	6.25	1	09/28/23	10/03/23	
Cadmium	1.94	0.250	1	09/28/23	10/03/23	
Chromium	28.0	0.500	1	09/28/23	10/03/23	
Calcium	5930	25.0	1	09/28/23	10/03/23	
Lead	5.68	0.250	1	09/28/23	10/03/23	
Iron	30100	500	10	09/28/23	10/04/23	
Magnesium	5280	25.0	1	09/28/23	10/03/23	
Selenium	ND	1.25	1	09/28/23	10/03/23	
Silver	ND	0.250	1	09/28/23	10/03/23	
Potassium	2950	250	10	09/28/23	10/04/23	
Sodium	540	50.0	1	09/28/23	10/03/23	



### Sample Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm Project Number: 17009-C-0001 Project Manager: Clay Green	<b>Reported:</b> 10/5/2023 10:56:01AM
--	---	--

**Cell 12 Vadose  
E309193-12**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2339033
Fluoride	4.07	2.50	1	09/27/23	09/28/23	
Chloride	27.0	20.0	1	09/27/23	09/28/23	
Nitrite-N	ND	2.50	1	09/27/23	09/28/23	
Nitrate-N	ND	2.50	1	09/27/23	09/28/23	
o-Phosphate-P	ND	2.50	1	09/27/23	09/28/23	
Sulfate	79.8	20.0	1	09/27/23	09/28/23	
<b>Total Mercury by EPA 7471B</b>	ug/kg	ug/kg		Analyst: JL		Batch: 2339067
Mercury	ND	20.0	1	09/28/23	09/29/23	



### Sample Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm Project Number: 17009-C-0001 Project Manager: Clay Green	<b>Reported:</b> 10/5/2023 10:56:01AM
--	---	--

**Cell 13 Vadose**  
**E309193-13**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2339030
Benzene	ND	0.0250	1	09/26/23	09/27/23	
Ethylbenzene	ND	0.0250	1	09/26/23	09/27/23	
Toluene	ND	0.0250	1	09/26/23	09/27/23	
o-Xylene	ND	0.0250	1	09/26/23	09/27/23	
p,m-Xylene	ND	0.0500	1	09/26/23	09/27/23	
Total Xylenes	ND	0.0250	1	09/26/23	09/27/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		94.6 %	70-130	09/26/23	09/27/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2339030
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/26/23	09/27/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		93.3 %	70-130	09/26/23	09/27/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2339020
Diesel Range Organics (C10-C28)	ND	25.0	1	09/26/23	09/27/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/26/23	09/27/23	
<i>Surrogate: n-Nonane</i>						
		108 %	50-200	09/26/23	09/27/23	
<b>Total Metals by EPA 6010C</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2339057
Arsenic	ND	0.500	1	09/28/23	10/03/23	
Barium	120	6.25	1	09/28/23	10/03/23	
Cadmium	2.03	0.250	1	09/28/23	10/03/23	
Chromium	31.5	0.500	1	09/28/23	10/03/23	
Calcium	7800	25.0	1	09/28/23	10/03/23	
Lead	4.62	0.250	1	09/28/23	10/03/23	
Iron	30800	500	10	09/28/23	10/04/23	
Magnesium	6930	25.0	1	09/28/23	10/03/23	
Selenium	ND	1.25	1	09/28/23	10/03/23	
Silver	ND	0.250	1	09/28/23	10/03/23	
Potassium	2510	250	10	09/28/23	10/04/23	
Sodium	180	50.0	1	09/28/23	10/03/23	



### Sample Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm Project Number: 17009-C-0001 Project Manager: Clay Green	<b>Reported:</b> 10/5/2023 10:56:01AM
--	---	--

**Cell 13 Vadose**

**E309193-13**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2339033	
Fluoride	3.42	2.50	1	09/27/23	09/28/23	
Chloride	ND	20.0	1	09/27/23	09/28/23	
Nitrite-N	ND	2.50	1	09/27/23	09/28/23	
Nitrate-N	ND	2.50	1	09/27/23	09/28/23	
o-Phosphate-P	ND	2.50	1	09/27/23	09/28/23	
Sulfate	115	20.0	1	09/27/23	09/28/23	
<b>Total Mercury by EPA 7471B</b>	ug/kg	ug/kg	Analyst: JL		Batch: 2339067	
Mercury	ND	20.0	1	09/28/23	10/02/23	



### Sample Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm Project Number: 17009-C-0001 Project Manager: Clay Green	<b>Reported:</b> 10/5/2023 10:56:01AM
--	---	--

**Cell 14 Vadose**  
**E309193-14**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2339030
Benzene	ND	0.0250	1	09/26/23	09/27/23	
Ethylbenzene	ND	0.0250	1	09/26/23	09/27/23	
Toluene	ND	0.0250	1	09/26/23	09/27/23	
o-Xylene	ND	0.0250	1	09/26/23	09/27/23	
p,m-Xylene	ND	0.0500	1	09/26/23	09/27/23	
Total Xylenes	ND	0.0250	1	09/26/23	09/27/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		93.8 %	70-130	09/26/23	09/27/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2339030
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/26/23	09/27/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		94.4 %	70-130	09/26/23	09/27/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2339020
Diesel Range Organics (C10-C28)	ND	25.0	1	09/26/23	09/27/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/26/23	09/27/23	
<i>Surrogate: n-Nonane</i>						
		108 %	50-200	09/26/23	09/27/23	
<b>Total Metals by EPA 6010C</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2339057
Arsenic	ND	0.500	1	09/28/23	10/03/23	
Barium	126	6.25	1	09/28/23	10/03/23	
Cadmium	1.41	0.250	1	09/28/23	10/03/23	
Chromium	23.7	0.500	1	09/28/23	10/03/23	
Calcium	5810	25.0	1	09/28/23	10/03/23	
Lead	3.81	0.250	1	09/28/23	10/03/23	
Iron	15300	50.0	1	09/28/23	10/03/23	
Magnesium	5020	25.0	1	09/28/23	10/03/23	
Selenium	ND	1.25	1	09/28/23	10/03/23	
Silver	ND	0.250	1	09/28/23	10/03/23	
Potassium	1800	25.0	1	09/28/23	10/03/23	
Sodium	143	50.0	1	09/28/23	10/03/23	



### Sample Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm Project Number: 17009-C-0001 Project Manager: Clay Green	<b>Reported:</b> 10/5/2023 10:56:01AM
--	---	--

**Cell 14 Vadose  
E309193-14**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2339033
Fluoride	4.31	2.50	1	09/27/23	09/28/23	
Chloride	ND	20.0	1	09/27/23	09/28/23	
Nitrite-N	ND	2.50	1	09/27/23	09/28/23	
Nitrate-N	ND	2.50	1	09/27/23	09/28/23	
o-Phosphate-P	ND	2.50	1	09/27/23	09/28/23	
Sulfate	37.2	20.0	1	09/27/23	09/28/23	
<b>Total Mercury by EPA 7471B</b>	ug/kg	ug/kg		Analyst: JL		Batch: 2339067
Mercury	ND	20.0	1	09/28/23	09/29/23	



### QC Summary Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm Project Number: 17009-C-0001 Project Manager: Clay Green	<b>Reported:</b> 10/5/2023 10:56:01AM
--	---	--

#### Volatile Organics by EPA 8021B

Analyst: IY

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

#### Blank (2339030-BLK1)

Prepared: 09/26/23 Analyzed: 09/27/23

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	7.63		8.00		95.4		70-130		

#### LCS (2339030-BS1)

Prepared: 09/26/23 Analyzed: 09/27/23

Benzene	4.75	0.0250	5.00		94.9		70-130		
Ethylbenzene	4.68	0.0250	5.00		93.7		70-130		
Toluene	4.74	0.0250	5.00		94.8		70-130		
o-Xylene	4.69	0.0250	5.00		93.7		70-130		
p,m-Xylene	9.56	0.0500	10.0		95.6		70-130		
Total Xylenes	14.2	0.0250	15.0		94.9		70-130		
Surrogate: 4-Bromochlorobenzene-PID	7.62		8.00		95.2		70-130		

#### Matrix Spike (2339030-MS1)

Source: E309193-02

Prepared: 09/26/23 Analyzed: 09/27/23

Benzene	5.19	0.0250	5.00	ND	104		54-133		
Ethylbenzene	5.14	0.0250	5.00	ND	103		61-133		
Toluene	5.19	0.0250	5.00	ND	104		61-130		
o-Xylene	5.13	0.0250	5.00	ND	103		63-131		
p,m-Xylene	10.4	0.0500	10.0	ND	104		63-131		
Total Xylenes	15.6	0.0250	15.0	ND	104		63-131		
Surrogate: 4-Bromochlorobenzene-PID	7.65		8.00		95.6		70-130		

#### Matrix Spike Dup (2339030-MSD1)

Source: E309193-02

Prepared: 09/26/23 Analyzed: 09/27/23

Benzene	5.35	0.0250	5.00	ND	107		54-133	3.16	20
Ethylbenzene	5.27	0.0250	5.00	ND	105		61-133	2.37	20
Toluene	5.32	0.0250	5.00	ND	106		61-130	2.42	20
o-Xylene	5.28	0.0250	5.00	ND	106		63-131	2.77	20
p,m-Xylene	10.7	0.0500	10.0	ND	107		63-131	2.12	20
Total Xylenes	16.0	0.0250	15.0	ND	106		63-131	2.34	20
Surrogate: 4-Bromochlorobenzene-PID	7.59		8.00		94.9		70-130		



### QC Summary Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm Project Number: 17009-C-0001 Project Manager: Clay Green	<b>Reported:</b> 10/5/2023 10:56:01AM
--	---	--

#### Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

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

**Blank (2339030-BLK1)**

Prepared: 09/26/23 Analyzed: 09/27/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.54		8.00		94.3	70-130			

**LCS (2339030-BS2)**

Prepared: 09/26/23 Analyzed: 09/27/23

Gasoline Range Organics (C6-C10)	50.6	20.0	50.0		101	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.50		8.00		93.8	70-130			

**Matrix Spike (2339030-MS2)**

Source: E309193-02

Prepared: 09/26/23 Analyzed: 09/27/23

Gasoline Range Organics (C6-C10)	48.2	20.0	50.0	ND	96.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.55		8.00		94.4	70-130			

**Matrix Spike Dup (2339030-MSD2)**

Source: E309193-02

Prepared: 09/26/23 Analyzed: 09/27/23

Gasoline Range Organics (C6-C10)	52.5	20.0	50.0	ND	105	70-130	8.43	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.48		8.00		93.5	70-130			



### QC Summary Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm Project Number: 17009-C-0001 Project Manager: Clay Green	<b>Reported:</b> 10/5/2023 10:56:01AM
--	---	--

#### Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

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

**Blank (2339020-BLK1)**

Prepared: 09/26/23 Analyzed: 09/26/23

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	51.6		50.0		103	50-200			

**LCS (2339020-BS1)**

Prepared: 09/26/23 Analyzed: 09/26/23

Diesel Range Organics (C10-C28)	282	25.0	250		113	38-132			
Surrogate: n-Nonane	53.7		50.0		107	50-200			

**Matrix Spike (2339020-MS1)**

Source: E309188-03

Prepared: 09/26/23 Analyzed: 09/26/23

Diesel Range Organics (C10-C28)	264	25.0	250	ND	106	38-132			
Surrogate: n-Nonane	54.2		50.0		108	50-200			

**Matrix Spike Dup (2339020-MSD1)**

Source: E309188-03

Prepared: 09/26/23 Analyzed: 09/26/23

Diesel Range Organics (C10-C28)	290	25.0	250	ND	116	38-132	9.18	20	
Surrogate: n-Nonane	53.2		50.0		106	50-200			



### QC Summary Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm Project Number: 17009-C-0001 Project Manager: Clay Green	<b>Reported:</b> 10/5/2023 10:56:01AM
--	---	--

#### Total Metals by EPA 6010C

Analyst: JL

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

#### Blank (2339057-BLK1)

Prepared: 09/28/23 Analyzed: 09/28/23

Arsenic	ND	0.500							
Barium	ND	6.25							
Cadmium	ND	0.250							
Chromium	ND	0.500							
Calcium	ND	25.0							
Lead	ND	0.250							
Iron	ND	50.0							
Magnesium	ND	25.0							
Selenium	ND	1.25							
Silver	ND	0.250							
Potassium	ND	25.0							
Sodium	ND	50.0							

#### LCS (2339057-BS1)

Prepared: 09/28/23 Analyzed: 09/28/23

Arsenic	12.3	0.500	12.5		98.3	80-120			
Barium	288	6.25	313		92.2	80-120			
Cadmium	6.14	0.250	6.25		98.2	80-120			
Chromium	25.2	0.500	25.0		101	80-120			
Calcium	1160	25.0	1250		92.6	80-120			
Lead	6.36	0.250	6.25		102	80-120			
Magnesium	1270	25.0	1250		102	80-120			
Selenium	31.0	1.25	31.3		99.2	80-120			
Silver	2.17	0.250	2.50		86.6	80-120			
Potassium	119	25.0	125		95.1	80-120			
Sodium	475	50.0	500		95.1	80-120			

#### Matrix Spike (2339057-MS1)

Source: E309157-01

Prepared: 09/28/23 Analyzed: 09/28/23

Arsenic	11.4	0.500	12.5	1.91	76.1	75-125			
Barium	350	6.25	313	123	72.6	75-125			M2
Cadmium	5.21	0.250	6.25	0.545	74.6	75-125			M2
Chromium	30.4	0.500	25.0	10.7	78.9	75-125			
Calcium	6370	25.0	1250	5410	77.2	75-125			
Lead	11.4	0.250	6.25	6.91	71.4	75-125			M2
Magnesium	3900	25.0	1250	3340	45.4	75-125			M2
Selenium	23.8	1.25	31.3	ND	76.2	75-125			
Silver	1.85	0.250	2.50	ND	74.1	75-125			M2
Potassium	1600	25.0	125	1670	NR	75-125			M4
Sodium	696	50.0	500	290	81.3	75-125			

#### Matrix Spike Dup (2339057-MSD1)

Source: E309157-01

Prepared: 09/28/23 Analyzed: 09/28/23

Arsenic	11.6	0.500	12.5	1.91	77.8	75-125	1.78	20	
Barium	363	6.25	313	123	76.5	75-125	3.44	20	
Cadmium	5.27	0.250	6.25	0.545	75.6	75-125	1.24	20	
Chromium	30.7	0.500	25.0	10.7	80.1	75-125	0.982	20	
Calcium	6300	25.0	1250	5410	71.8	75-125	1.07	20	M4
Lead	11.4	0.250	6.25	6.91	72.4	75-125	0.570	20	M2
Magnesium	3870	25.0	1250	3340	42.6	75-125	0.901	20	M2
Selenium	24.2	1.25	31.3	ND	77.4	75-125	1.62	20	
Silver	1.89	0.250	2.50	ND	75.6	75-125	2.00	20	
Potassium	1520	25.0	125	1670	NR	75-125	5.00	20	M4
Sodium	709	50.0	500	290	83.9	75-125	1.89	20	



### QC Summary Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm Project Number: 17009-C-0001 Project Manager: Clay Green	<b>Reported:</b> 10/5/2023 10:56:01AM
--	---	--

#### Anions by EPA 300.0/9056A

Analyst: RAS

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

#### Blank (2339033-BLK1)

Prepared: 09/27/23 Analyzed: 09/28/23

Fluoride	ND	2.50							
Chloride	ND	20.0							
Nitrite-N	ND	2.50							
Nitrate-N	ND	2.50							
o-Phosphate-P	ND	2.50							
Sulfate	ND	20.0							

#### LCS (2339033-BS1)

Prepared: 09/27/23 Analyzed: 09/28/23

Fluoride	24.6	2.50	25.0		98.6	90-110			
Chloride	256	20.0	250		102	90-110			
Nitrite-N	25.4	2.50	25.0		101	90-110			
Nitrate-N	24.2	2.50	25.0		96.9	90-110			
o-Phosphate-P	126	2.50	125		101	90-110			
Sulfate	256	20.0	250		102	90-110			

#### Matrix Spike (2339033-MS1)

Source: E309193-01

Prepared: 09/27/23 Analyzed: 09/28/23

Fluoride	21.1	2.50	25.0	ND	84.3	80-120			
Chloride	256	20.0	250	ND	102	80-120			
Nitrite-N	26.3	2.50	25.0	ND	105	80-120			
Nitrate-N	27.1	2.50	25.0	2.52	98.4	80-120			
o-Phosphate-P	36.7	2.50	125	ND	29.4	80-120			M2
Sulfate	334	20.0	250	91.0	97.3	80-120			

#### Matrix Spike Dup (2339033-MSD1)

Source: E309193-01

Prepared: 09/27/23 Analyzed: 09/28/23

Fluoride	21.2	2.50	25.0	ND	85.0	80-120	0.732	20	
Chloride	256	20.0	250	ND	103	80-120	0.156	20	
Nitrite-N	25.1	2.50	25.0	ND	101	80-120	4.66	20	
Nitrate-N	27.8	2.50	25.0	2.52	101	80-120	2.41	20	
o-Phosphate-P	35.9	2.50	125	ND	28.7	80-120	2.22	20	M2
Sulfate	340	20.0	250	91.0	99.4	80-120	1.56	20	



### QC Summary Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm Project Number: 17009-C-0001 Project Manager: Clay Green	<b>Reported:</b> 10/5/2023 10:56:01AM
--	---	--

#### Total Mercury by EPA 7471B

Analyst: JL

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

**Blank (2339067-BLK1)**

Prepared: 09/28/23 Analyzed: 09/29/23

Mercury	ND	20.0							
---------	----	------	--	--	--	--	--	--	--

**LCS (2339067-BS1)**

Prepared: 09/28/23 Analyzed: 09/29/23

Mercury	146	20.0	160		91.3	80-120			
---------	-----	------	-----	--	------	--------	--	--	--

**Matrix Spike (2339067-MS1)**

Source: E309157-01

Prepared: 09/28/23 Analyzed: 09/29/23

Mercury	154	20.0	160	ND	96.0	80-120			
---------	-----	------	-----	----	------	--------	--	--	--

**Matrix Spike Dup (2339067-MSD1)**

Source: E309157-01

Prepared: 09/28/23 Analyzed: 09/29/23

Mercury	156	20.0	160	ND	97.4	80-120	1.40	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:	TNT Landfarm	<b>Reported:</b> 10/05/23 10:56
PO Box 2530	Project Number:	17009-C-0001	
Farmington NM, 87499	Project Manager:	Clay Green	

- M2 Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.
- M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.
- T17 The sample chromatographic pattern does not resemble the typical fuel standard used for quantitation.
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

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

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

Released by Imaging: 7/27/2023 10:53:21 AM

Client: TNT Environmental  
 Project: TNT Land ParM  
 Project Manager: Clay Green  
 Address: \_\_\_\_\_  
 City, State, Zip \_\_\_\_\_  
 Phone: \_\_\_\_\_  
 Email: Clay@Watsheng.net Arleen Shuman  
 Report due by: \_\_\_\_\_

Bill To  
 Attention: TNT Environmental  
 Address: \_\_\_\_\_  
 City, State, Zip \_\_\_\_\_  
 Phone: \_\_\_\_\_  
 Email: \_\_\_\_\_

Lab Use Only  
 Lab WO# E309193 Job Number 17009C-0001  
 TAT: 1D  2D  3D  Standard   
 EPA Program: CWA  SDWA  RCRA

Analysis and Method  
 DRO/DRO by 8015  GRO/DRO by 8015  BTEX by 8021  VOC by 8260  Metals 6010  Chloride 300.0  EPA method 418.1   
 Cat / An  RCRA 8/10/15 Heavy

State  
 NM  CO  UT  AZ  TX   
 X

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	EPA method 418.1	Cat / An	RCRA 8/10/15 Heavy	Remarks
9:40	9-26-23	S	1	Cell 1 Vadose	1	X	X	X					X	X	On Ice
9:51				Cell 2 Vadose	2										
10:00				Cell 3 Vadose	3										
10:10				Cell 4 Vadose	4										
10:19				Cell 5 Vadose	5										
10:27				Cell 6 Vadose	6										
10:35				Cell 7 Vadose	7										
10:36				Cell 8 Vadose	8										
11:15				Cell 9 Vadose	9										
10:45				Cell 10 Vadose	10										

**Additional Instructions:**

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: Clay Green

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature) <u>[Signature]</u>	Date <u>9-26-23</u>	Time <u>13:25</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>9-26-23</u>	Time <u>13:25</u>
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Lab Use Only  
 Received on ice:  Y /  N  
 T1 \_\_\_\_\_ T2 \_\_\_\_\_ T3 \_\_\_\_\_  
 AVG Temp °C 4

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 30 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.



Received by OCD: 6/3/2025 12:14:58 PM

Page 239 of 375

Released to: Imaging - 7/31/2023 10:55:21 AM

Received by: OCD: 6/3/2025 12:14:58 PM

Client: <u>TNT Environmental</u> Project: <u>TNT Landfarm</u> Project Manager: <u>Clay Green</u> Address: _____ City, State, Zip: _____ Phone: _____ Email: <u>Clay@Walsheng.net</u> <u>Arlean.Shannon</u> Report due by: _____	Bill To Attention: <u>TNT Environmental</u> Address: _____ City, State, Zip: _____ Phone: _____ Email: _____	Lab Use Only Lab WO# <u>E309193</u> Job Number <u>17009.C.0001</u> Analysis and Method DRO/ORO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 EPA method 418.1 <u>Cat / An</u> <u>PCAS Heavy</u>	TAT 1D 2D 3D Standard <u>X</u>	EPA Program CWA SDWA RCRA State NM <u>X</u> CO    UT    AZ    TX
--	---	--	--	---

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	EPA method 418.1	Remarks
10:52	9-26-23	S	1	Cell 11 Vadose	11	X	X	X					Onice
11:03				Cell 12 Vadose	12								
11:40				Cell 13 Vadose	13								
11:30				Cell 14 Vadose	14								

**Additional Instructions:**

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.      Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature) <u>Clay Green</u>	Date <u>9-26-23</u>	Time <u>13:25</u>	Received by: (Signature) <u>Caitlin Mar</u>	Date <u>9-26-23</u>	Time <u>13:25</u>	Lab Use Only Received on ice: <u>(Y)</u> / N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
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 30 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.



Page 240 of 375

Envirotech Analytical Laboratory

Printed: 9/26/2023 1:44:48PM

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: 09/26/23 13:25 Work Order ID: E309193
Phone: (505) 860-6215 Date Logged In: 09/26/23 13:29 Logged In By: Caitlin Mars
Email: clay@walsheng.net Due Date: 10/03/23 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

Carrier: Clay Green

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

Sample 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? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

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

- 13. If no visible ice, record the temperature. Actual sample temperature: 4°C

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? No
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

Empty box for Client Instruction

Comments/Resolution

Large empty box for Comments/Resolution

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

Date



envirotech Inc.

Report to:  
Clay Green



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

### TNT Environmental

Project Name: TNT Landfarm

Work Order: E404237

Job Number: 17009-C-0001

Received: 4/23/2024

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
4/29/24

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: 4/29/24



Clay Green  
PO Box 2530  
Farmington, NM 87499

Project Name: TNT Landfarm  
Workorder: E404237  
Date Received: 4/23/2024 2:12:00PM

Clay Green,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/23/2024 2:12:00PM, under the Project Name: TNT Landfarm.

The analytical test results summarized in this report with the Project Name: TNT Landfarm 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,

**Walter Hinchman**  
Laboratory Director  
Office: 505-632-1881  
Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
Laboratory Administrator  
Office: 505-632-1881  
[rainaschwanz@envirotech-inc.com](mailto:rainaschwanz@envirotech-inc.com)

**Alexa Michaels**  
Sample Custody Officer  
Office: 505-632-1881  
[labadmin@envirotech-inc.com](mailto:labadmin@envirotech-inc.com)

Field Offices:

**Southern New Mexico Area**

**Lynn Jarboe**  
Laboratory Technical Representative  
Office: 505-421-LABS(5227)  
Cell: 505-320-4759  
[ljjarboe@envirotech-inc.com](mailto:ljjarboe@envirotech-inc.com)

**Michelle Golzales**  
Client Representative  
Office: 505-421-LABS(5227)  
Cell: 505-947-8222  
[mgonzales@envirotech-inc.com](mailto:mgonzales@envirotech-inc.com)

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

## Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	5
Sample Data	6
Cell 1 Vadose	6
Cell 2 Vadose	7
Cell 3 Vadose	8
Cell 4 Vadose	9
Cell 5 Vadose	10
Cell 6 Vadose	11
Cell 7 Vadose	12
Cell 8 Vadose	13
Cell 9 Vadose	14
Cell 10 Vadose	15
Cell 11 Vadose	16
Cell 12 Vadose	17
Cell 13 Vadose	18
Cell 14 Vadose	19
QC Summary Data	20
QC - Volatile Organics by EPA 8021B	20
QC - Nonhalogenated Organics by EPA 8015D - GRO	21
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	22
QC - Anions by EPA 300.0/9056A	23
Definitions and Notes	24

## Table of Contents (continued)

Chain of Custody etc.

25

**Sample Summary**

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm Project Number: 17009-C-0001 Project Manager: Clay Green	<b>Reported:</b> 04/29/24 13:29
--	---	------------------------------------

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Cell 1 Vadose	E404237-01A	Soil	04/23/24	04/23/24	Glass Jar, 4 oz.
Cell 2 Vadose	E404237-02A	Soil	04/23/24	04/23/24	Glass Jar, 4 oz.
Cell 3 Vadose	E404237-03A	Soil	04/23/24	04/23/24	Glass Jar, 4 oz.
Cell 4 Vadose	E404237-04A	Soil	04/23/24	04/23/24	Glass Jar, 4 oz.
Cell 5 Vadose	E404237-05A	Soil	04/23/24	04/23/24	Glass Jar, 4 oz.
Cell 6 Vadose	E404237-06A	Soil	04/23/24	04/23/24	Glass Jar, 4 oz.
Cell 7 Vadose	E404237-07A	Soil	04/23/24	04/23/24	Glass Jar, 4 oz.
Cell 8 Vadose	E404237-08A	Soil	04/23/24	04/23/24	Glass Jar, 4 oz.
Cell 9 Vadose	E404237-09A	Soil	04/23/24	04/23/24	Glass Jar, 4 oz.
Cell 10 Vadose	E404237-10A	Soil	04/23/24	04/23/24	Glass Jar, 4 oz.
Cell 11 Vadose	E404237-11A	Soil	04/23/24	04/23/24	Glass Jar, 4 oz.
Cell 12 Vadose	E404237-12A	Soil	04/23/24	04/23/24	Glass Jar, 4 oz.
Cell 13 Vadose	E404237-13A	Soil	04/23/24	04/23/24	Glass Jar, 4 oz.
Cell 14 Vadose	E404237-14A	Soil	04/23/24	04/23/24	Glass Jar, 4 oz.



### Sample Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm Project Number: 17009-C-0001 Project Manager: Clay Green	<b>Reported:</b> 4/29/2024 1:29:56PM
--	---	---

**Cell 1 Vadose**  
**E404237-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2417040
Benzene	ND	0.0250	1	04/24/24	04/24/24	
Ethylbenzene	ND	0.0250	1	04/24/24	04/24/24	
Toluene	ND	0.0250	1	04/24/24	04/24/24	
o-Xylene	ND	0.0250	1	04/24/24	04/24/24	
p,m-Xylene	ND	0.0500	1	04/24/24	04/24/24	
Total Xylenes	ND	0.0250	1	04/24/24	04/24/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		89.4 %	70-130	04/24/24	04/24/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2417040
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/24/24	04/24/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		80.3 %	70-130	04/24/24	04/24/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2417042
Diesel Range Organics (C10-C28)	ND	25.0	1	04/24/24	04/24/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/24/24	04/24/24	
<i>Surrogate: n-Nonane</i>						
		96.9 %	50-200	04/24/24	04/24/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: JM		Batch: 2417044
Chloride	22.4	20.0	1	04/24/24	04/24/24	



### Sample Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm Project Number: 17009-C-0001 Project Manager: Clay Green	<b>Reported:</b> 4/29/2024 1:29:56PM
--	---	---

**Cell 2 Vadose**  
**E404237-02**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2417040
Benzene	ND	0.0250	1	04/24/24	04/24/24	
Ethylbenzene	ND	0.0250	1	04/24/24	04/24/24	
Toluene	ND	0.0250	1	04/24/24	04/24/24	
o-Xylene	ND	0.0250	1	04/24/24	04/24/24	
p,m-Xylene	ND	0.0500	1	04/24/24	04/24/24	
Total Xylenes	ND	0.0250	1	04/24/24	04/24/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		90.6 %	70-130	04/24/24	04/24/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2417040
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/24/24	04/24/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		80.9 %	70-130	04/24/24	04/24/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2417042
Diesel Range Organics (C10-C28)	ND	25.0	1	04/24/24	04/24/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/24/24	04/24/24	
<i>Surrogate: n-Nonane</i>						
		95.1 %	50-200	04/24/24	04/24/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: JM		Batch: 2417044
Chloride	ND	20.0	1	04/24/24	04/24/24	



### Sample Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm Project Number: 17009-C-0001 Project Manager: Clay Green	<b>Reported:</b> 4/29/2024 1:29:56PM
--	---	---

**Cell 3 Vadose**  
**E404237-03**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>		mg/kg	mg/kg	Analyst: BA		Batch: 2417040
Benzene	ND	0.0250	1	04/24/24	04/24/24	
Ethylbenzene	ND	0.0250	1	04/24/24	04/24/24	
Toluene	ND	0.0250	1	04/24/24	04/24/24	
o-Xylene	ND	0.0250	1	04/24/24	04/24/24	
p,m-Xylene	ND	0.0500	1	04/24/24	04/24/24	
Total Xylenes	ND	0.0250	1	04/24/24	04/24/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		90.9 %	70-130	04/24/24	04/24/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>		mg/kg	mg/kg	Analyst: BA		Batch: 2417040
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/24/24	04/24/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		82.6 %	70-130	04/24/24	04/24/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>		mg/kg	mg/kg	Analyst: KM		Batch: 2417042
Diesel Range Organics (C10-C28)	ND	25.0	1	04/24/24	04/24/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/24/24	04/24/24	
<i>Surrogate: n-Nonane</i>		99.7 %	50-200	04/24/24	04/24/24	
<b>Anions by EPA 300.0/9056A</b>		mg/kg	mg/kg	Analyst: JM		Batch: 2417044
Chloride	28.4	20.0	1	04/24/24	04/24/24	

### Sample Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm Project Number: 17009-C-0001 Project Manager: Clay Green	<b>Reported:</b> 4/29/2024 1:29:56PM
--	---	---

**Cell 4 Vadose**  
**E404237-04**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>		mg/kg	mg/kg	Analyst: BA		Batch: 2417040
Benzene	ND	0.0250	1	04/24/24	04/24/24	
Ethylbenzene	ND	0.0250	1	04/24/24	04/24/24	
Toluene	ND	0.0250	1	04/24/24	04/24/24	
o-Xylene	ND	0.0250	1	04/24/24	04/24/24	
p,m-Xylene	ND	0.0500	1	04/24/24	04/24/24	
Total Xylenes	ND	0.0250	1	04/24/24	04/24/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		90.7 %	70-130	04/24/24	04/24/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>		mg/kg	mg/kg	Analyst: BA		Batch: 2417040
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/24/24	04/24/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		80.5 %	70-130	04/24/24	04/24/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>		mg/kg	mg/kg	Analyst: KM		Batch: 2417042
Diesel Range Organics (C10-C28)	ND	25.0	1	04/24/24	04/24/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/24/24	04/24/24	
<i>Surrogate: n-Nonane</i>		97.3 %	50-200	04/24/24	04/24/24	
<b>Anions by EPA 300.0/9056A</b>		mg/kg	mg/kg	Analyst: JM		Batch: 2417044
Chloride	70.1	20.0	1	04/24/24	04/24/24	



### Sample Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm Project Number: 17009-C-0001 Project Manager: Clay Green	<b>Reported:</b> 4/29/2024 1:29:56PM
--	---	---

**Cell 5 Vadose**  
**E404237-05**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2417040
Benzene	ND	0.0250	1	04/24/24	04/24/24	
Ethylbenzene	ND	0.0250	1	04/24/24	04/24/24	
Toluene	ND	0.0250	1	04/24/24	04/24/24	
o-Xylene	ND	0.0250	1	04/24/24	04/24/24	
p,m-Xylene	ND	0.0500	1	04/24/24	04/24/24	
Total Xylenes	ND	0.0250	1	04/24/24	04/24/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		90.5 %	70-130	04/24/24	04/24/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2417040
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/24/24	04/24/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		81.8 %	70-130	04/24/24	04/24/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: KM		Batch: 2417042
Diesel Range Organics (C10-C28)	ND	25.0	1	04/24/24	04/25/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/24/24	04/25/24	
<i>Surrogate: n-Nonane</i>		100 %	50-200	04/24/24	04/25/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: JM		Batch: 2417044
Chloride	34.3	20.0	1	04/24/24	04/24/24	

### Sample Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm Project Number: 17009-C-0001 Project Manager: Clay Green	<b>Reported:</b> 4/29/2024 1:29:56PM
--	---	---

**Cell 6 Vadose**  
**E404237-06**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>		mg/kg	mg/kg	Analyst: BA		Batch: 2417040
Benzene	ND	0.0250	1	04/24/24	04/24/24	
Ethylbenzene	ND	0.0250	1	04/24/24	04/24/24	
Toluene	ND	0.0250	1	04/24/24	04/24/24	
o-Xylene	ND	0.0250	1	04/24/24	04/24/24	
p,m-Xylene	ND	0.0500	1	04/24/24	04/24/24	
Total Xylenes	ND	0.0250	1	04/24/24	04/24/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		90.4 %	70-130	04/24/24	04/24/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>		mg/kg	mg/kg	Analyst: BA		Batch: 2417040
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/24/24	04/24/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		80.5 %	70-130	04/24/24	04/24/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>		mg/kg	mg/kg	Analyst: KM		Batch: 2417042
Diesel Range Organics (C10-C28)	ND	25.0	1	04/24/24	04/25/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/24/24	04/25/24	
<i>Surrogate: n-Nonane</i>		92.5 %	50-200	04/24/24	04/25/24	
<b>Anions by EPA 300.0/9056A</b>		mg/kg	mg/kg	Analyst: JM		Batch: 2417044
Chloride	29.1	20.0	1	04/24/24	04/24/24	



### Sample Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm Project Number: 17009-C-0001 Project Manager: Clay Green	<b>Reported:</b> 4/29/2024 1:29:56PM
--	---	---

**Cell 7 Vadose**  
**E404237-07**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>		mg/kg	mg/kg	Analyst: BA		Batch: 2417040
Benzene	ND	0.0250	1	04/24/24	04/24/24	
Ethylbenzene	ND	0.0250	1	04/24/24	04/24/24	
Toluene	ND	0.0250	1	04/24/24	04/24/24	
o-Xylene	ND	0.0250	1	04/24/24	04/24/24	
p,m-Xylene	ND	0.0500	1	04/24/24	04/24/24	
Total Xylenes	ND	0.0250	1	04/24/24	04/24/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		90.8 %	70-130	04/24/24	04/24/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>		mg/kg	mg/kg	Analyst: BA		Batch: 2417040
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/24/24	04/24/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		81.0 %	70-130	04/24/24	04/24/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>		mg/kg	mg/kg	Analyst: KM		Batch: 2417042
Diesel Range Organics (C10-C28)	ND	25.0	1	04/24/24	04/25/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/24/24	04/25/24	
<i>Surrogate: n-Nonane</i>		96.6 %	50-200	04/24/24	04/25/24	
<b>Anions by EPA 300.0/9056A</b>		mg/kg	mg/kg	Analyst: JM		Batch: 2417044
Chloride	305	20.0	1	04/24/24	04/24/24	



### Sample Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm Project Number: 17009-C-0001 Project Manager: Clay Green	<b>Reported:</b> 4/29/2024 1:29:56PM
--	---	---

**Cell 8 Vadose**

**E404237-08**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>		mg/kg	mg/kg	Analyst: BA		Batch: 2417040
Benzene	ND	0.0250	1	04/24/24	04/24/24	
Ethylbenzene	ND	0.0250	1	04/24/24	04/24/24	
Toluene	ND	0.0250	1	04/24/24	04/24/24	
o-Xylene	ND	0.0250	1	04/24/24	04/24/24	
p,m-Xylene	ND	0.0500	1	04/24/24	04/24/24	
Total Xylenes	ND	0.0250	1	04/24/24	04/24/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		90.1 %	70-130	04/24/24	04/24/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>		mg/kg	mg/kg	Analyst: BA		Batch: 2417040
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/24/24	04/24/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		81.2 %	70-130	04/24/24	04/24/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>		mg/kg	mg/kg	Analyst: KM		Batch: 2417042
Diesel Range Organics (C10-C28)	ND	25.0	1	04/24/24	04/25/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/24/24	04/25/24	
<i>Surrogate: n-Nonane</i>		97.3 %	50-200	04/24/24	04/25/24	
<b>Anions by EPA 300.0/9056A</b>		mg/kg	mg/kg	Analyst: JM		Batch: 2417044
Chloride	288	20.0	1	04/24/24	04/24/24	



### Sample Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm Project Number: 17009-C-0001 Project Manager: Clay Green	<b>Reported:</b> 4/29/2024 1:29:56PM
--	---	---

**Cell 9 Vadose**  
**E404237-09**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>		mg/kg	mg/kg	Analyst: BA		Batch: 2417040
Benzene	ND	0.0250	1	04/24/24	04/24/24	
Ethylbenzene	ND	0.0250	1	04/24/24	04/24/24	
Toluene	ND	0.0250	1	04/24/24	04/24/24	
o-Xylene	ND	0.0250	1	04/24/24	04/24/24	
p,m-Xylene	ND	0.0500	1	04/24/24	04/24/24	
Total Xylenes	ND	0.0250	1	04/24/24	04/24/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		91.2 %	70-130	04/24/24	04/24/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>		mg/kg	mg/kg	Analyst: BA		Batch: 2417040
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/24/24	04/24/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		79.2 %	70-130	04/24/24	04/24/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>		mg/kg	mg/kg	Analyst: KM		Batch: 2417042
Diesel Range Organics (C10-C28)	ND	25.0	1	04/24/24	04/25/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/24/24	04/25/24	
<i>Surrogate: n-Nonane</i>		96.1 %	50-200	04/24/24	04/25/24	
<b>Anions by EPA 300.0/9056A</b>		mg/kg	mg/kg	Analyst: JM		Batch: 2417044
Chloride	24.1	20.0	1	04/24/24	04/24/24	



### Sample Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm Project Number: 17009-C-0001 Project Manager: Clay Green	<b>Reported:</b> 4/29/2024 1:29:56PM
--	---	---

**Cell 10 Vadose**  
**E404237-10**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2417040
Benzene	ND	0.0250	1	04/24/24	04/24/24	
Ethylbenzene	ND	0.0250	1	04/24/24	04/24/24	
Toluene	ND	0.0250	1	04/24/24	04/24/24	
o-Xylene	ND	0.0250	1	04/24/24	04/24/24	
p,m-Xylene	ND	0.0500	1	04/24/24	04/24/24	
Total Xylenes	ND	0.0250	1	04/24/24	04/24/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		89.9 %	70-130	04/24/24	04/24/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2417040
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/24/24	04/24/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		77.5 %	70-130	04/24/24	04/24/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2417042
Diesel Range Organics (C10-C28)	ND	25.0	1	04/24/24	04/25/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/24/24	04/25/24	
<i>Surrogate: n-Nonane</i>						
		93.2 %	50-200	04/24/24	04/25/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: JM		Batch: 2417044
Chloride	ND	20.0	1	04/24/24	04/24/24	



### Sample Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm Project Number: 17009-C-0001 Project Manager: Clay Green	<b>Reported:</b> 4/29/2024 1:29:56PM
--	---	---

**Cell 11 Vadose  
E404237-11**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2417040
Benzene	ND	0.0250	1	04/24/24	04/24/24	
Ethylbenzene	ND	0.0250	1	04/24/24	04/24/24	
Toluene	ND	0.0250	1	04/24/24	04/24/24	
o-Xylene	ND	0.0250	1	04/24/24	04/24/24	
p,m-Xylene	ND	0.0500	1	04/24/24	04/24/24	
Total Xylenes	ND	0.0250	1	04/24/24	04/24/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		91.0 %	70-130	04/24/24	04/24/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2417040
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/24/24	04/24/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		77.1 %	70-130	04/24/24	04/24/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2417042
Diesel Range Organics (C10-C28)	ND	25.0	1	04/24/24	04/25/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/24/24	04/25/24	
<i>Surrogate: n-Nonane</i>						
		97.4 %	50-200	04/24/24	04/25/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: JM		Batch: 2417044
Chloride	419	20.0	1	04/24/24	04/24/24	



### Sample Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm Project Number: 17009-C-0001 Project Manager: Clay Green	<b>Reported:</b> 4/29/2024 1:29:56PM
--	---	---

**Cell 12 Vadose**  
**E404237-12**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2417040
Benzene	ND	0.0250	1	04/24/24	04/24/24	
Ethylbenzene	ND	0.0250	1	04/24/24	04/24/24	
Toluene	ND	0.0250	1	04/24/24	04/24/24	
o-Xylene	ND	0.0250	1	04/24/24	04/24/24	
p,m-Xylene	ND	0.0500	1	04/24/24	04/24/24	
Total Xylenes	ND	0.0250	1	04/24/24	04/24/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		90.7 %	70-130	04/24/24	04/24/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2417040
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/24/24	04/24/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		77.7 %	70-130	04/24/24	04/24/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2417042
Diesel Range Organics (C10-C28)	ND	25.0	1	04/24/24	04/25/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/24/24	04/25/24	
<i>Surrogate: n-Nonane</i>						
		101 %	50-200	04/24/24	04/25/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: JM		Batch: 2417044
Chloride	90.8	20.0	1	04/24/24	04/24/24	



### Sample Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm Project Number: 17009-C-0001 Project Manager: Clay Green	<b>Reported:</b> 4/29/2024 1:29:56PM
--	---	---

**Cell 13 Vadose**  
**E404237-13**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2417040
Benzene	ND	0.0250	1	04/24/24	04/24/24	
Ethylbenzene	ND	0.0250	1	04/24/24	04/24/24	
Toluene	ND	0.0250	1	04/24/24	04/24/24	
o-Xylene	ND	0.0250	1	04/24/24	04/24/24	
p,m-Xylene	ND	0.0500	1	04/24/24	04/24/24	
Total Xylenes	ND	0.0250	1	04/24/24	04/24/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		91.4 %	70-130	04/24/24	04/24/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2417040
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/24/24	04/24/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		79.3 %	70-130	04/24/24	04/24/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2417042
Diesel Range Organics (C10-C28)	ND	25.0	1	04/24/24	04/25/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/24/24	04/25/24	
<i>Surrogate: n-Nonane</i>						
		97.0 %	50-200	04/24/24	04/25/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: JM		Batch: 2417044
Chloride	ND	20.0	1	04/24/24	04/24/24	



### Sample Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm Project Number: 17009-C-0001 Project Manager: Clay Green	<b>Reported:</b> 4/29/2024 1:29:56PM
--	---	---

**Cell 14 Vadose**  
**E404237-14**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2417040
Benzene	ND	0.0250	1	04/24/24	04/24/24	
Ethylbenzene	ND	0.0250	1	04/24/24	04/24/24	
Toluene	ND	0.0250	1	04/24/24	04/24/24	
o-Xylene	ND	0.0250	1	04/24/24	04/24/24	
p,m-Xylene	ND	0.0500	1	04/24/24	04/24/24	
Total Xylenes	ND	0.0250	1	04/24/24	04/24/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		90.9 %	70-130	04/24/24	04/24/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2417040
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/24/24	04/24/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		79.4 %	70-130	04/24/24	04/24/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2417042
Diesel Range Organics (C10-C28)	ND	25.0	1	04/24/24	04/25/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/24/24	04/25/24	
<i>Surrogate: n-Nonane</i>						
		88.5 %	50-200	04/24/24	04/25/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: JM		Batch: 2417044
Chloride	69.4	20.0	1	04/24/24	04/24/24	



### QC Summary Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm Project Number: 17009-C-0001 Project Manager: Clay Green	<b>Reported:</b> 4/29/2024 1:29:56PM
--	---	---

#### Volatile Organics by EPA 8021B

Analyst: BA

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

**Blank (2417040-BLK1)**

Prepared: 04/24/24 Analyzed: 04/24/24

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	7.33		8.00		91.7	70-130			

**LCS (2417040-BS1)**

Prepared: 04/24/24 Analyzed: 04/24/24

Benzene	4.57	0.0250	5.00		91.5	70-130			
Ethylbenzene	4.45	0.0250	5.00		89.1	70-130			
Toluene	4.57	0.0250	5.00		91.4	70-130			
o-Xylene	4.52	0.0250	5.00		90.3	70-130			
p,m-Xylene	9.11	0.0500	10.0		91.1	70-130			
Total Xylenes	13.6	0.0250	15.0		90.8	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.39		8.00		92.4	70-130			

**Matrix Spike (2417040-MS1)**

Source: E404237-03

Prepared: 04/24/24 Analyzed: 04/24/24

Benzene	5.33	0.0250	5.00	ND	107	54-133			
Ethylbenzene	5.18	0.0250	5.00	ND	104	61-133			
Toluene	5.32	0.0250	5.00	ND	106	61-130			
o-Xylene	5.27	0.0250	5.00	ND	105	63-131			
p,m-Xylene	10.6	0.0500	10.0	ND	106	63-131			
Total Xylenes	15.9	0.0250	15.0	ND	106	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.33		8.00		91.6	70-130			

**Matrix Spike Dup (2417040-MSD1)**

Source: E404237-03

Prepared: 04/24/24 Analyzed: 04/24/24

Benzene	5.41	0.0250	5.00	ND	108	54-133	1.47	20	
Ethylbenzene	5.26	0.0250	5.00	ND	105	61-133	1.49	20	
Toluene	5.39	0.0250	5.00	ND	108	61-130	1.37	20	
o-Xylene	5.34	0.0250	5.00	ND	107	63-131	1.43	20	
p,m-Xylene	10.7	0.0500	10.0	ND	107	63-131	1.46	20	
Total Xylenes	16.1	0.0250	15.0	ND	107	63-131	1.45	20	
Surrogate: 4-Bromochlorobenzene-PID	7.34		8.00		91.8	70-130			



### QC Summary Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm Project Number: 17009-C-0001 Project Manager: Clay Green	<b>Reported:</b> 4/29/2024 1:29:56PM
--	---	---

#### Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

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

**Blank (2417040-BLK1)**

Prepared: 04/24/24 Analyzed: 04/24/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.65		8.00		83.1	70-130			

**LCS (2417040-BS2)**

Prepared: 04/24/24 Analyzed: 04/24/24

Gasoline Range Organics (C6-C10)	38.5	20.0	50.0		77.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.69		8.00		83.6	70-130			

**Matrix Spike (2417040-MS2)**

Source: E404237-03

Prepared: 04/24/24 Analyzed: 04/24/24

Gasoline Range Organics (C6-C10)	39.7	20.0	50.0	ND	79.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.62		8.00		82.8	70-130			

**Matrix Spike Dup (2417040-MSD2)**

Source: E404237-03

Prepared: 04/24/24 Analyzed: 04/24/24

Gasoline Range Organics (C6-C10)	36.4	20.0	50.0	ND	72.8	70-130	8.63	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.58		8.00		82.3	70-130			



### QC Summary Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm Project Number: 17009-C-0001 Project Manager: Clay Green	<b>Reported:</b> 4/29/2024 1:29:56PM
--	---	---

#### Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

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

**Blank (2417042-BLK1)**

Prepared: 04/24/24 Analyzed: 04/24/24

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	48.7		50.0		97.3	50-200			

**LCS (2417042-BS1)**

Prepared: 04/24/24 Analyzed: 04/24/24

Diesel Range Organics (C10-C28)	263	25.0	250		105	38-132			
Surrogate: <i>n</i> -Nonane	48.7		50.0		97.4	50-200			

**Matrix Spike (2417042-MS1)**

Source: E404237-04

Prepared: 04/24/24 Analyzed: 04/24/24

Diesel Range Organics (C10-C28)	265	25.0	250	ND	106	38-132			
Surrogate: <i>n</i> -Nonane	49.2		50.0		98.4	50-200			

**Matrix Spike Dup (2417042-MSD1)**

Source: E404237-04

Prepared: 04/24/24 Analyzed: 04/24/24

Diesel Range Organics (C10-C28)	273	25.0	250	ND	109	38-132	3.14	20	
Surrogate: <i>n</i> -Nonane	51.0		50.0		102	50-200			



### QC Summary Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm Project Number: 17009-C-0001 Project Manager: Clay Green	<b>Reported:</b> 4/29/2024 1:29:56PM
--	---	---

#### Anions by EPA 300.0/9056A

Analyst: JM

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

**Blank (2417044-BLK1)**

Prepared: 04/24/24 Analyzed: 04/24/24

Chloride ND 20.0

**LCS (2417044-BS1)**

Prepared: 04/24/24 Analyzed: 04/24/24

Chloride 250 20.0 250 100 90-110

**Matrix Spike (2417044-MS1)**

Source: E404237-07

Prepared: 04/24/24 Analyzed: 04/24/24

Chloride 550 20.0 250 305 97.9 80-120

**Matrix Spike Dup (2417044-MSD1)**

Source: E404237-07

Prepared: 04/24/24 Analyzed: 04/24/24

Chloride 560 20.0 250 305 102 80-120 1.80 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 PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm Project Number: 17009-C-0001 Project Manager: Clay Green	<b>Reported:</b> 04/29/24 13:29
--	---	------------------------------------

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.



Client: TNT Environmental		<b>Bill To</b>		Lab Use Only			TAT			EPA Program				
Project: TNT Landfarm				Lab WO# <b>E404237</b>			Job Number <b>17009-C-0001</b>			1D	2D	3D	Standard	CWA
Project Manager: Clay Green		Attention: TNT Environmental		Analysis and Method						X				
Address: PO Box 2530		Address: PO Box 2530												
City, State, Zip Farmington NM 87499		City, State, Zip											RCRA	
Phone:		Phone:												
Email: Clay@walsheng.net, Shawna, Arleen, Marie		Email:											State	
Report due by:		Report due by:												

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	EPA method 418.1	1D	2D	3D	Standard	CWA	SDWA	RCRA	State	Remarks	
10:15	4-23-24	S	1	Cell 1	Vadose			X			X	X										
10:35				Cell 2	Vadose																	
10:44				Cell 3	Vadose																	
10:54				Cell 4	Vadose																	
11:05				Cell 5	Vadose																	
11:15				Cell 6	Vadose																	
11:25				Cell 7	Vadose																	
12:00				Cell 8	Vadose																	
12:15				Cell 9	Vadose																	
11:33				Cell 10	Vadose																	

**Additional Instructions:** vts. ice in cooler - y 4/23/24

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature) <i>[Signature]</i>		Date	Time	Received by: (Signature) <i>[Signature]</i>		Date	Time	Lab Use Only Received on ice: <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <b>4.0</b>			
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 30 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.

Client: TNT Environmental Project: TNT Landfarm Project Manager: Clay Green Address: PO Box 2530 City, State, Zip Farmington NM 87499 Phone: Email: Clay@walsheng.net, Shawna, Arleen, Marie Report due by:	<b>Bill To</b> Attention: TNT Environmental Address: PO Box 2530 City, State, Zip Phone: Email:	<b>Lab Use Only</b> Lab WO# <u>E 404237</u> Job Number <u>17009-C-0001</u>	<b>TAT</b> 1D 2D 3D Standard X	<b>EPA Program</b> CWA SDWA RCRA
--	--	--	--------------------------------------	--

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Analysis and Method							State					Remarks	
						DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	EPA method 418.1	NM	CO	UT	AZ	TX		
11:50	4-23-24	S	1	Cell 11 Vadose	11			X			X	X							
11:40				Cell 12 Vadose	12			X			X	X							
12:25				Cell 13 Vadose	13			X			X	X							
12:35				Cell 14 Vadose	14			X			X	X							

**Additional Instructions:** *vis. ice in cooler - u 4/23/24*

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.						Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.					
Relinquished by: (Signature) <i>[Signature]</i> Date <u>4-23-24</u> Time <u>14:10</u>						Received by: (Signature) <i>[Signature]</i> Date <u>04/23/24</u> Time <u>14:12</u>					
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 30 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: 4/23/2024 3:24:59PM

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: 04/23/24 14:12	Work Order ID: E404237
Phone: (505) 860-6215	Date Logged In: 04/23/24 15:16	Logged In By: Alexa Michaels
Email: clay@walsheng.net	Due Date: 04/30/24 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

Carrier: Clay Green

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

**Comments/Resolution**

Client changed 418.1 analysis to GRO, DRO, ORO by 8015

**Sample 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? If yes, the recorded temp is 4°C, i.e., 6°±2°C Yes

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

- 13. If no visible ice, record the temperature. Actual sample temperature: 4°C

**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? No
  - 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.

Client: TNT Environmental		Bill To		Lab Use Only			TAT			EPA Program		
Project: TNT Landfarm		Attention: TNT Environmental		Lab WO#	Job Number		1D	2D	3D	Standard	CWA	SDWA
Project Manager: Clay Green		Address: PO Box 2530		E 404237	17009-C-0001					X		
Address: PO Box 2530		City, State, Zip		Analysis and Method								
City, State, Zip Farmington NM 87499		Phone:		DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	EPA method 816.1	RCRA	
Email: Clay@walsheng.net, Shawna, Arleen, Marie		Email:		State								
Report due by:				NM	CO	UT	AZ	TX				
				X								

Time Sampled	Date Sampled	Matrix	No of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	EPA method 816.1	Remarks
10:15	4-23-24	S	1	Cell 1 Vadose	1	X	X	X			X	X	
10:35				Cell 2 Vadose	2								
10:44				Cell 3 Vadose	3								
10:54				Cell 4 Vadose	4								
11:05				Cell 5 Vadose	5								
11:15				Cell 6 Vadose	6								
11:25				Cell 7 Vadose	7								
12:00				Cell 8 Vadose	8								
12:15				Cell 9 Vadose	9								
11:33				Cell 10 Vadose	10								

Additional Instructions: vts. ice in cooler - y 4/23/24 4/23/24 per. C. Green

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only Received on ice: <input checked="" type="radio"/> Y / <input type="radio"/> N  T1 _____ T2 _____ T3 _____  AVG Temp °C 4.0
<i>[Signature]</i>	4-23-24	14:10	<i>[Signature]</i>	04/23/24	14:12	
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 30 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.



Client: TNT Environmental		Bill To		Lab Use Only			TAT			EPA Program							
Project: TNT Landfarm		Attention: TNT Environmental		Lab WO#		Job Number		1D	2D	3D	Standard	CWA	SDWA				
Project Manager: Clay Green		Address: PO Box 2530		E 404237		17009-C-000					X						
Address: PO Box 2530		City, State, Zip		Analysis and Method									RCRA				
City, State, Zip Farmington NM 87499		Phone:															
Phone:		Email:											State				
Email: Clay@walsheng.net, Shawna, Arleen, Marie													NM	CO	UT	AZ	TX
Report due by:													X				

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 3000	EPA Method 418.1	Remarks
11:50	4-23-24	S	1	Cell 11 Vadose	11	X	X	X			X	X	
11:40				Cell 12 Vadose	12			X			X	X	
12:25				Cell 13 Vadose	13			X			X	X	
12:35				Cell 14 Vadose	14			X			X	X	

Additional Instructions: vls. ice in cooler -y 4/23/24 4/23/24 per C. Green

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only Received on ice: (Y) / N T1 _____ T2 _____ T3 _____ AVG Temp °C 4.0
<i>[Signature]</i>	4-23-24	14:10	<i>[Signature]</i>	04/23/24	14:12	
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 30 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.



Report to:  
Clay Green



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

### TNT Environmental

Project Name: TNT Landfarm 2nd Vadose

Work Order: E407254

Job Number: 17009-C-0001

Received: 7/31/2024

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
8/7/24

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: 8/7/24

Clay Green  
PO Box 2530  
Farmington, NM 87499



Project Name: TNT Landfarm 2nd Vadose  
Workorder: E407254  
Date Received: 7/31/2024 3:05:00PM

Clay Green,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/31/2024 3:05:00PM, under the Project Name: TNT Landfarm 2nd Vadose.

The analytical test results summarized in this report with the Project Name: TNT Landfarm 2nd Vadose 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,

**Walter Hinchman**  
Laboratory Director  
Office: 505-632-1881  
Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
Laboratory Administrator  
Office: 505-632-1881  
[rainaschwanz@envirotech-inc.com](mailto:rainaschwanz@envirotech-inc.com)

Field Offices:

**Southern New Mexico Area**

**Lynn Jarboe**  
Laboratory Technical Representative  
Office: 505-421-LABS(5227)  
Cell: 505-320-4759  
[ljjarboe@envirotech-inc.com](mailto:ljjarboe@envirotech-inc.com)

**Michelle Gonzales**  
Client Representative  
Office: 505-421-LABS(5227)  
Cell: 505-947-8222  
[mgonzales@envirotech-inc.com](mailto:mgonzales@envirotech-inc.com)

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

# Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
Cell 1 Vadose	5
Cell 2 Vadose	6
Cell 3 Vadose	7
Cell 4 Vadose	8
Cell 5 Vadose	9
Cell 6 Vadose	10
Cell 7 Vadose	11
Cell 8 Vadose	12
Cell 9 Vadose	13
Cell 10 Vadose	14
Cell 11 Vadose	15
Cell 12 Vadose	16
Cell 13 Vadose	17
Cell 14 Vadose	18
QC Summary Data	19
QC - Volatile Organic Compounds by EPA8260B	19
QC - Nonhalogenated Organics by EPA 8015D - GRO	20
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	21
Definitions and Notes	22
Chain of Custody etc.	23

### Sample Summary

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm 2nd Vadose Project Number: 17009-C-0001 Project Manager: Clay Green	<b>Reported:</b> 08/07/24 08:46
--	--	------------------------------------

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Cell 1 Vadose	E407254-01A	Soil	07/31/24	07/31/24	Glass Jar, 2 oz.
Cell 2 Vadose	E407254-02A	Soil	07/31/24	07/31/24	Glass Jar, 2 oz.
Cell 3 Vadose	E407254-03A	Soil	07/31/24	07/31/24	Glass Jar, 2 oz.
Cell 4 Vadose	E407254-04A	Soil	07/31/24	07/31/24	Glass Jar, 2 oz.
Cell 5 Vadose	E407254-05A	Soil	07/31/24	07/31/24	Glass Jar, 2 oz.
Cell 6 Vadose	E407254-06A	Soil	07/31/24	07/31/24	Glass Jar, 2 oz.
Cell 7 Vadose	E407254-07A	Soil	07/31/24	07/31/24	Glass Jar, 2 oz.
Cell 8 Vadose	E407254-08A	Soil	07/31/24	07/31/24	Glass Jar, 2 oz.
Cell 9 Vadose	E407254-09A	Soil	07/31/24	07/31/24	Glass Jar, 2 oz.
Cell 10 Vadose	E407254-10A	Soil	07/31/24	07/31/24	Glass Jar, 2 oz.
Cell 11 Vadose	E407254-11A	Soil	07/31/24	07/31/24	Glass Jar, 2 oz.
Cell 12 Vadose	E407254-12A	Soil	07/31/24	07/31/24	Glass Jar, 2 oz.
Cell 13 Vadose	E407254-13A	Soil	07/31/24	07/31/24	Glass Jar, 2 oz.
Cell 14 Vadose	E407254-14A	Soil	07/31/24	07/31/24	Glass Jar, 2 oz.

### Sample Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm 2nd Vadose Project Number: 17009-C-0001 Project Manager: Clay Green	<b>Reported:</b> 8/7/2024 8:46:22AM
--	--	--

**Cell 1 Vadose**  
**E407254-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>		mg/kg	mg/kg	Analyst: RKS		Batch: 2431106
Benzene	ND	0.0250	1	08/01/24	08/02/24	
Ethylbenzene	ND	0.0250	1	08/01/24	08/02/24	
Toluene	ND	0.0250	1	08/01/24	08/02/24	
o-Xylene	ND	0.0250	1	08/01/24	08/02/24	
p,m-Xylene	ND	0.0500	1	08/01/24	08/02/24	
Total Xylenes	ND	0.0250	1	08/01/24	08/02/24	
<i>Surrogate: Bromofluorobenzene</i>		103 %	70-130	08/01/24	08/02/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.9 %	70-130	08/01/24	08/02/24	
<i>Surrogate: Toluene-d8</i>		97.9 %	70-130	08/01/24	08/02/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>		mg/kg	mg/kg	Analyst: RKS		Batch: 2431106
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/24	08/02/24	
<i>Surrogate: Bromofluorobenzene</i>		103 %	70-130	08/01/24	08/02/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.9 %	70-130	08/01/24	08/02/24	
<i>Surrogate: Toluene-d8</i>		97.9 %	70-130	08/01/24	08/02/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>		mg/kg	mg/kg	Analyst: KM		Batch: 2431110
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/24	08/01/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/24	08/01/24	
<i>Surrogate: n-Nonane</i>		109 %	50-200	08/01/24	08/01/24	

### Sample Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm 2nd Vadose Project Number: 17009-C-0001 Project Manager: Clay Green	<b>Reported:</b> 8/7/2024 8:46:22AM
--	--	--

**Cell 2 Vadose**  
**E407254-02**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>		mg/kg	mg/kg	Analyst: RKS		Batch: 2431106
Benzene	ND	0.0250	1	08/01/24	08/02/24	
Ethylbenzene	ND	0.0250	1	08/01/24	08/02/24	
Toluene	ND	0.0250	1	08/01/24	08/02/24	
o-Xylene	ND	0.0250	1	08/01/24	08/02/24	
p,m-Xylene	ND	0.0500	1	08/01/24	08/02/24	
Total Xylenes	ND	0.0250	1	08/01/24	08/02/24	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	08/01/24	08/02/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.5 %	70-130	08/01/24	08/02/24	
<i>Surrogate: Toluene-d8</i>		98.6 %	70-130	08/01/24	08/02/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>		mg/kg	mg/kg	Analyst: RKS		Batch: 2431106
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/24	08/02/24	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	08/01/24	08/02/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.5 %	70-130	08/01/24	08/02/24	
<i>Surrogate: Toluene-d8</i>		98.6 %	70-130	08/01/24	08/02/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>		mg/kg	mg/kg	Analyst: KM		Batch: 2431110
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/24	08/01/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/24	08/01/24	
<i>Surrogate: n-Nonane</i>		109 %	50-200	08/01/24	08/01/24	



### Sample Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm 2nd Vadose Project Number: 17009-C-0001 Project Manager: Clay Green	<b>Reported:</b> 8/7/2024 8:46:22AM
--	--	--

**Cell 3 Vadose**

**E407254-03**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2431106
Benzene	ND	0.0250	1	08/01/24	08/01/24	
Ethylbenzene	ND	0.0250	1	08/01/24	08/01/24	
Toluene	ND	0.0250	1	08/01/24	08/01/24	
o-Xylene	ND	0.0250	1	08/01/24	08/01/24	
p,m-Xylene	ND	0.0500	1	08/01/24	08/01/24	
Total Xylenes	ND	0.0250	1	08/01/24	08/01/24	
<i>Surrogate: Bromofluorobenzene</i>		103 %	70-130	08/01/24	08/01/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.9 %	70-130	08/01/24	08/01/24	
<i>Surrogate: Toluene-d8</i>		99.2 %	70-130	08/01/24	08/01/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2431106
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/24	08/01/24	
<i>Surrogate: Bromofluorobenzene</i>		103 %	70-130	08/01/24	08/01/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.9 %	70-130	08/01/24	08/01/24	
<i>Surrogate: Toluene-d8</i>		99.2 %	70-130	08/01/24	08/01/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: KM		Batch: 2431110
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/24	08/01/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/24	08/01/24	
<i>Surrogate: n-Nonane</i>		103 %	50-200	08/01/24	08/01/24	



### Sample Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm 2nd Vadose Project Number: 17009-C-0001 Project Manager: Clay Green	<b>Reported:</b> 8/7/2024 8:46:22AM
--	--	--

**Cell 4 Vadose**

**E407254-04**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2431106
Benzene	ND	0.0250	1	08/01/24	08/02/24	
Ethylbenzene	ND	0.0250	1	08/01/24	08/02/24	
Toluene	ND	0.0250	1	08/01/24	08/02/24	
o-Xylene	ND	0.0250	1	08/01/24	08/02/24	
p,m-Xylene	ND	0.0500	1	08/01/24	08/02/24	
Total Xylenes	ND	0.0250	1	08/01/24	08/02/24	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	08/01/24	08/02/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.4 %	70-130	08/01/24	08/02/24	
<i>Surrogate: Toluene-d8</i>		98.2 %	70-130	08/01/24	08/02/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2431106
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/24	08/02/24	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	08/01/24	08/02/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.4 %	70-130	08/01/24	08/02/24	
<i>Surrogate: Toluene-d8</i>		98.2 %	70-130	08/01/24	08/02/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: KM		Batch: 2431110
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/24	08/01/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/24	08/01/24	
<i>Surrogate: n-Nonane</i>		108 %	50-200	08/01/24	08/01/24	



### Sample Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm 2nd Vadose Project Number: 17009-C-0001 Project Manager: Clay Green	<b>Reported:</b> 8/7/2024 8:46:22AM
--	--	--

**Cell 5 Vadose**

**E407254-05**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2431106	
Benzene	ND	0.0250	1	08/01/24	08/02/24	
Ethylbenzene	ND	0.0250	1	08/01/24	08/02/24	
Toluene	ND	0.0250	1	08/01/24	08/02/24	
o-Xylene	ND	0.0250	1	08/01/24	08/02/24	
p,m-Xylene	ND	0.0500	1	08/01/24	08/02/24	
Total Xylenes	ND	0.0250	1	08/01/24	08/02/24	
<i>Surrogate: Bromofluorobenzene</i>		100 %	70-130	08/01/24	08/02/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		93.0 %	70-130	08/01/24	08/02/24	
<i>Surrogate: Toluene-d8</i>		98.5 %	70-130	08/01/24	08/02/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2431106	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/24	08/02/24	
<i>Surrogate: Bromofluorobenzene</i>		100 %	70-130	08/01/24	08/02/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		93.0 %	70-130	08/01/24	08/02/24	
<i>Surrogate: Toluene-d8</i>		98.5 %	70-130	08/01/24	08/02/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2431110	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/24	08/01/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/24	08/01/24	
<i>Surrogate: n-Nonane</i>		107 %	50-200	08/01/24	08/01/24	



### Sample Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm 2nd Vadose Project Number: 17009-C-0001 Project Manager: Clay Green	<b>Reported:</b> 8/7/2024 8:46:22AM
--	--	--

**Cell 6 Vadose**  
**E407254-06**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2431106
Benzene	ND	0.0250	1	08/01/24	08/02/24	
Ethylbenzene	ND	0.0250	1	08/01/24	08/02/24	
Toluene	ND	0.0250	1	08/01/24	08/02/24	
o-Xylene	ND	0.0250	1	08/01/24	08/02/24	
p,m-Xylene	ND	0.0500	1	08/01/24	08/02/24	
Total Xylenes	ND	0.0250	1	08/01/24	08/02/24	
<i>Surrogate: Bromofluorobenzene</i>		99.7 %	70-130	08/01/24	08/02/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		93.7 %	70-130	08/01/24	08/02/24	
<i>Surrogate: Toluene-d8</i>		98.6 %	70-130	08/01/24	08/02/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2431106
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/24	08/02/24	
<i>Surrogate: Bromofluorobenzene</i>		99.7 %	70-130	08/01/24	08/02/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		93.7 %	70-130	08/01/24	08/02/24	
<i>Surrogate: Toluene-d8</i>		98.6 %	70-130	08/01/24	08/02/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: KM		Batch: 2431110
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/24	08/01/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/24	08/01/24	
<i>Surrogate: n-Nonane</i>		109 %	50-200	08/01/24	08/01/24	



### Sample Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm 2nd Vadose Project Number: 17009-C-0001 Project Manager: Clay Green	<b>Reported:</b> 8/7/2024 8:46:22AM
--	--	--

**Cell 7 Vadose**  
**E407254-07**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2431106
Benzene	ND	0.0250	1	08/01/24	08/02/24	
Ethylbenzene	ND	0.0250	1	08/01/24	08/02/24	
Toluene	ND	0.0250	1	08/01/24	08/02/24	
o-Xylene	ND	0.0250	1	08/01/24	08/02/24	
p,m-Xylene	ND	0.0500	1	08/01/24	08/02/24	
Total Xylenes	ND	0.0250	1	08/01/24	08/02/24	
<i>Surrogate: Bromofluorobenzene</i>		103 %	70-130	08/01/24	08/02/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.8 %	70-130	08/01/24	08/02/24	
<i>Surrogate: Toluene-d8</i>		99.7 %	70-130	08/01/24	08/02/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2431106
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/24	08/02/24	
<i>Surrogate: Bromofluorobenzene</i>		103 %	70-130	08/01/24	08/02/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.8 %	70-130	08/01/24	08/02/24	
<i>Surrogate: Toluene-d8</i>		99.7 %	70-130	08/01/24	08/02/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: KM		Batch: 2431110
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/24	08/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/24	08/02/24	
<i>Surrogate: n-Nonane</i>		106 %	50-200	08/01/24	08/02/24	



### Sample Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm 2nd Vadose Project Number: 17009-C-0001 Project Manager: Clay Green	<b>Reported:</b> 8/7/2024 8:46:22AM
--	--	--

**Cell 8 Vadose**  
**E407254-08**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2431106
Benzene	ND	0.0250	1	08/01/24	08/02/24	
Ethylbenzene	ND	0.0250	1	08/01/24	08/02/24	
Toluene	ND	0.0250	1	08/01/24	08/02/24	
o-Xylene	ND	0.0250	1	08/01/24	08/02/24	
p,m-Xylene	ND	0.0500	1	08/01/24	08/02/24	
Total Xylenes	ND	0.0250	1	08/01/24	08/02/24	
<i>Surrogate: Bromofluorobenzene</i>		103 %	70-130	08/01/24	08/02/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.3 %	70-130	08/01/24	08/02/24	
<i>Surrogate: Toluene-d8</i>		99.0 %	70-130	08/01/24	08/02/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2431106
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/24	08/02/24	
<i>Surrogate: Bromofluorobenzene</i>		103 %	70-130	08/01/24	08/02/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.3 %	70-130	08/01/24	08/02/24	
<i>Surrogate: Toluene-d8</i>		99.0 %	70-130	08/01/24	08/02/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: KM		Batch: 2431110
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/24	08/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/24	08/02/24	
<i>Surrogate: n-Nonane</i>		107 %	50-200	08/01/24	08/02/24	



### Sample Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm 2nd Vadose Project Number: 17009-C-0001 Project Manager: Clay Green	<b>Reported:</b> 8/7/2024 8:46:22AM
--	--	--

**Cell 9 Vadose**  
**E407254-09**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>		mg/kg	mg/kg	Analyst: RKS		Batch: 2431106
Benzene	ND	0.0250	1	08/01/24	08/02/24	
Ethylbenzene	ND	0.0250	1	08/01/24	08/02/24	
Toluene	ND	0.0250	1	08/01/24	08/02/24	
o-Xylene	ND	0.0250	1	08/01/24	08/02/24	
p,m-Xylene	ND	0.0500	1	08/01/24	08/02/24	
Total Xylenes	ND	0.0250	1	08/01/24	08/02/24	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	08/01/24	08/02/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.2 %	70-130	08/01/24	08/02/24	
<i>Surrogate: Toluene-d8</i>		98.9 %	70-130	08/01/24	08/02/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>		mg/kg	mg/kg	Analyst: RKS		Batch: 2431106
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/24	08/02/24	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	08/01/24	08/02/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.2 %	70-130	08/01/24	08/02/24	
<i>Surrogate: Toluene-d8</i>		98.9 %	70-130	08/01/24	08/02/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>		mg/kg	mg/kg	Analyst: KM		Batch: 2431110
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/24	08/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/24	08/02/24	
<i>Surrogate: n-Nonane</i>		98.3 %	50-200	08/01/24	08/02/24	

### Sample Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm 2nd Vadose Project Number: 17009-C-0001 Project Manager: Clay Green	<b>Reported:</b> 8/7/2024 8:46:22AM
--	--	--

**Cell 10 Vadose**  
**E407254-10**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>		mg/kg	mg/kg	Analyst: RKS		Batch: 2431106
Benzene	ND	0.0250	1	08/01/24	08/02/24	
Ethylbenzene	ND	0.0250	1	08/01/24	08/02/24	
Toluene	ND	0.0250	1	08/01/24	08/02/24	
o-Xylene	ND	0.0250	1	08/01/24	08/02/24	
p,m-Xylene	ND	0.0500	1	08/01/24	08/02/24	
Total Xylenes	ND	0.0250	1	08/01/24	08/02/24	
<i>Surrogate: Bromofluorobenzene</i>		104 %	70-130	08/01/24	08/02/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.8 %	70-130	08/01/24	08/02/24	
<i>Surrogate: Toluene-d8</i>		99.7 %	70-130	08/01/24	08/02/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>		mg/kg	mg/kg	Analyst: RKS		Batch: 2431106
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/24	08/02/24	
<i>Surrogate: Bromofluorobenzene</i>		104 %	70-130	08/01/24	08/02/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.8 %	70-130	08/01/24	08/02/24	
<i>Surrogate: Toluene-d8</i>		99.7 %	70-130	08/01/24	08/02/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>		mg/kg	mg/kg	Analyst: KM		Batch: 2431110
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/24	08/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/24	08/02/24	
<i>Surrogate: n-Nonane</i>		112 %	50-200	08/01/24	08/02/24	

### Sample Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm 2nd Vadose Project Number: 17009-C-0001 Project Manager: Clay Green	<b>Reported:</b> 8/7/2024 8:46:22AM
--	--	--

**Cell 11 Vadose**

**E407254-11**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2431106
Benzene	ND	0.0250	1	08/01/24	08/02/24	
Ethylbenzene	ND	0.0250	1	08/01/24	08/02/24	
Toluene	ND	0.0250	1	08/01/24	08/02/24	
o-Xylene	ND	0.0250	1	08/01/24	08/02/24	
p,m-Xylene	ND	0.0500	1	08/01/24	08/02/24	
Total Xylenes	ND	0.0250	1	08/01/24	08/02/24	
<i>Surrogate: Bromofluorobenzene</i>		99.7 %	70-130	08/01/24	08/02/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.3 %	70-130	08/01/24	08/02/24	
<i>Surrogate: Toluene-d8</i>		96.5 %	70-130	08/01/24	08/02/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2431106
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/24	08/02/24	
<i>Surrogate: Bromofluorobenzene</i>		99.7 %	70-130	08/01/24	08/02/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.3 %	70-130	08/01/24	08/02/24	
<i>Surrogate: Toluene-d8</i>		96.5 %	70-130	08/01/24	08/02/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: KM		Batch: 2431110
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/24	08/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/24	08/02/24	
<i>Surrogate: n-Nonane</i>		106 %	50-200	08/01/24	08/02/24	



### Sample Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm 2nd Vadose Project Number: 17009-C-0001 Project Manager: Clay Green	<b>Reported:</b> 8/7/2024 8:46:22AM
--	--	--

**Cell 12 Vadose**  
**E407254-12**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2431106
Benzene	ND	0.0250	1	08/01/24	08/02/24	
Ethylbenzene	ND	0.0250	1	08/01/24	08/02/24	
Toluene	ND	0.0250	1	08/01/24	08/02/24	
o-Xylene	ND	0.0250	1	08/01/24	08/02/24	
p,m-Xylene	ND	0.0500	1	08/01/24	08/02/24	
Total Xylenes	ND	0.0250	1	08/01/24	08/02/24	
<i>Surrogate: Bromofluorobenzene</i>		103 %	70-130	08/01/24	08/02/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.5 %	70-130	08/01/24	08/02/24	
<i>Surrogate: Toluene-d8</i>		98.2 %	70-130	08/01/24	08/02/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2431106
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/24	08/02/24	
<i>Surrogate: Bromofluorobenzene</i>		103 %	70-130	08/01/24	08/02/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.5 %	70-130	08/01/24	08/02/24	
<i>Surrogate: Toluene-d8</i>		98.2 %	70-130	08/01/24	08/02/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: KM		Batch: 2431110
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/24	08/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/24	08/02/24	
<i>Surrogate: n-Nonane</i>		108 %	50-200	08/01/24	08/02/24	



### Sample Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm 2nd Vadose Project Number: 17009-C-0001 Project Manager: Clay Green	<b>Reported:</b> 8/7/2024 8:46:22AM
--	--	--

**Cell 13 Vadose**  
**E407254-13**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>		mg/kg	mg/kg	Analyst: RKS		Batch: 2431106
Benzene	ND	0.0250	1	08/01/24	08/02/24	
Ethylbenzene	ND	0.0250	1	08/01/24	08/02/24	
Toluene	ND	0.0250	1	08/01/24	08/02/24	
o-Xylene	ND	0.0250	1	08/01/24	08/02/24	
p,m-Xylene	ND	0.0500	1	08/01/24	08/02/24	
Total Xylenes	ND	0.0250	1	08/01/24	08/02/24	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	08/01/24	08/02/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.8 %	70-130	08/01/24	08/02/24	
<i>Surrogate: Toluene-d8</i>		98.3 %	70-130	08/01/24	08/02/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>		mg/kg	mg/kg	Analyst: RKS		Batch: 2431106
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/24	08/02/24	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	08/01/24	08/02/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.8 %	70-130	08/01/24	08/02/24	
<i>Surrogate: Toluene-d8</i>		98.3 %	70-130	08/01/24	08/02/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>		mg/kg	mg/kg	Analyst: KM		Batch: 2431110
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/24	08/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/24	08/02/24	
<i>Surrogate: n-Nonane</i>		106 %	50-200	08/01/24	08/02/24	

### Sample Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm 2nd Vadose Project Number: 17009-C-0001 Project Manager: Clay Green	<b>Reported:</b> 8/7/2024 8:46:22AM
--	--	--

**Cell 14 Vadose**  
**E407254-14**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2431106	
Benzene	ND	0.0250	1	08/01/24	08/02/24	
Ethylbenzene	ND	0.0250	1	08/01/24	08/02/24	
Toluene	ND	0.0250	1	08/01/24	08/02/24	
o-Xylene	ND	0.0250	1	08/01/24	08/02/24	
p,m-Xylene	ND	0.0500	1	08/01/24	08/02/24	
Total Xylenes	ND	0.0250	1	08/01/24	08/02/24	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	08/01/24	08/02/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.5 %	70-130	08/01/24	08/02/24	
<i>Surrogate: Toluene-d8</i>		100 %	70-130	08/01/24	08/02/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2431106	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/24	08/02/24	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	08/01/24	08/02/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.5 %	70-130	08/01/24	08/02/24	
<i>Surrogate: Toluene-d8</i>		100 %	70-130	08/01/24	08/02/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2431110	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/01/24	08/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/24	08/02/24	
<i>Surrogate: n-Nonane</i>		110 %	50-200	08/01/24	08/02/24	

### QC Summary Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm 2nd Vadose Project Number: 17009-C-0001 Project Manager: Clay Green	<b>Reported:</b> 8/7/2024 8:46:22AM
--	--	--

#### Volatile Organic Compounds by EPA 8260B

Analyst: RKS

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

#### Blank (2431106-BLK1)

Prepared: 08/01/24 Analyzed: 08/01/24

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: Bromofluorobenzene	0.516		0.500		103		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.471		0.500		94.2		70-130		
Surrogate: Toluene-d8	0.501		0.500		100		70-130		

#### LCS (2431106-BS1)

Prepared: 08/01/24 Analyzed: 08/01/24

Benzene	2.40	0.0250	2.50		95.9		70-130		
Ethylbenzene	2.58	0.0250	2.50		103		70-130		
Toluene	2.41	0.0250	2.50		96.2		70-130		
o-Xylene	2.58	0.0250	2.50		103		70-130		
p,m-Xylene	5.15	0.0500	5.00		103		70-130		
Total Xylenes	7.73	0.0250	7.50		103		70-130		
Surrogate: Bromofluorobenzene	0.510		0.500		102		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.480		0.500		95.9		70-130		
Surrogate: Toluene-d8	0.509		0.500		102		70-130		

#### Matrix Spike (2431106-MS1)

Source: E407254-03

Prepared: 08/01/24 Analyzed: 08/01/24

Benzene	2.23	0.0250	2.50	ND	89.3		48-131		
Ethylbenzene	2.37	0.0250	2.50	ND	94.7		45-135		
Toluene	2.21	0.0250	2.50	ND	88.2		48-130		
o-Xylene	2.46	0.0250	2.50	ND	98.2		43-135		
p,m-Xylene	4.91	0.0500	5.00	ND	98.2		43-135		
Total Xylenes	7.36	0.0250	7.50	ND	98.2		43-135		
Surrogate: Bromofluorobenzene	0.523		0.500		105		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.477		0.500		95.3		70-130		
Surrogate: Toluene-d8	0.497		0.500		99.3		70-130		

#### Matrix Spike Dup (2431106-MSD1)

Source: E407254-03

Prepared: 08/01/24 Analyzed: 08/01/24

Benzene	2.31	0.0250	2.50	ND	92.6		48-131	3.65	23
Ethylbenzene	2.49	0.0250	2.50	ND	99.8		45-135	5.18	27
Toluene	2.32	0.0250	2.50	ND	92.7		48-130	5.02	24
o-Xylene	2.56	0.0250	2.50	ND	102		43-135	4.03	27
p,m-Xylene	5.10	0.0500	5.00	ND	102		43-135	3.86	27
Total Xylenes	7.66	0.0250	7.50	ND	102		43-135	3.91	27
Surrogate: Bromofluorobenzene	0.522		0.500		104		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.464		0.500		92.8		70-130		
Surrogate: Toluene-d8	0.499		0.500		99.8		70-130		



### QC Summary Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm 2nd Vadose Project Number: 17009-C-0001 Project Manager: Clay Green	<b>Reported:</b> 8/7/2024 8:46:22AM
--	--	--

#### Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

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

**Blank (2431106-BLK1)**

Prepared: 08/01/24 Analyzed: 08/01/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.516		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.471		0.500		94.2	70-130			
Surrogate: Toluene-d8	0.501		0.500		100	70-130			

**LCS (2431106-BS2)**

Prepared: 08/01/24 Analyzed: 08/01/24

Gasoline Range Organics (C6-C10)	44.9	20.0	50.0		89.8	70-130			
Surrogate: Bromofluorobenzene	0.519		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.463		0.500		92.6	70-130			
Surrogate: Toluene-d8	0.498		0.500		99.5	70-130			

**Matrix Spike (2431106-MS2)**

Source: E407254-03

Prepared: 08/01/24 Analyzed: 08/01/24

Gasoline Range Organics (C6-C10)	46.2	20.0	50.0	ND	92.4	70-130			
Surrogate: Bromofluorobenzene	0.538		0.500		108	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.470		0.500		93.9	70-130			
Surrogate: Toluene-d8	0.508		0.500		102	70-130			

**Matrix Spike Dup (2431106-MSD2)**

Source: E407254-03

Prepared: 08/01/24 Analyzed: 08/02/24

Gasoline Range Organics (C6-C10)	50.2	20.0	50.0	ND	100	70-130	8.24	20	
Surrogate: Bromofluorobenzene	0.535		0.500		107	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.461		0.500		92.1	70-130			
Surrogate: Toluene-d8	0.511		0.500		102	70-130			



### QC Summary Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm 2nd Vadose Project Number: 17009-C-0001 Project Manager: Clay Green	<b>Reported:</b> 8/7/2024 8:46:22AM
--	--	--

#### Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

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

**Blank (2431110-BLK1)**

Prepared: 08/01/24 Analyzed: 08/01/24

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n-Nonane</i>	55.4		50.0		111	50-200			

**LCS (2431110-BS1)**

Prepared: 08/01/24 Analyzed: 08/01/24

Diesel Range Organics (C10-C28)	269	25.0	250		108	38-132			
Surrogate: <i>n-Nonane</i>	57.0		50.0		114	50-200			

**Matrix Spike (2431110-MS1)**

Source: E407254-07

Prepared: 08/01/24 Analyzed: 08/01/24

Diesel Range Organics (C10-C28)	266	25.0	250	ND	106	38-132			
Surrogate: <i>n-Nonane</i>	56.4		50.0		113	50-200			

**Matrix Spike Dup (2431110-MSD1)**

Source: E407254-07

Prepared: 08/01/24 Analyzed: 08/01/24

Diesel Range Organics (C10-C28)	276	25.0	250	ND	110	38-132	3.49	20	
Surrogate: <i>n-Nonane</i>	57.8		50.0		116	50-200			

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 PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm 2nd Vadose Project Number: 17009-C-0001 Project Manager: Clay Green	<b>Reported:</b> 08/07/24 08:46
--	--	------------------------------------

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.



Client: TNT Environmental		Bill To		Lab Use Only			TAT			EPA Program		
Project: TNT Landfarm 2nd Vadose		Attention: TNT Environmental		Lab WO#	Job Number		1D	2D	3D	Standard	CWA	SDWA
Project Manager: Clay Green		Address: PO Box 2530		E407254	17009-C-0001					X		
Address: PO Box 2530		City, State, Zip		Analysis and Method								
City, State, Zip Farmington NM 87499		Phone:		DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	EPA method 418.1	RCRA	
Phone:		Email:		State								
Email: Clay@walsheng.net, Shawna, Arleen, Marie				NM CO UT AZ TX								
Report due by:				X								

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	EPA method 418.1	1D	2D	3D	Standard	Remarks
1040	7/31/24	S	1	Cell 1 Vadose	1	X	X	X									On Ice
1049				Cell 2 Vadose	2	X	X	X									On Ice
1038				Cell 3 Vadose	3	X	X	X									On Ice
1106				Cell 4 Vadose	4	X	X	X									On Ice
1116				Cell 5 Vadose	5	X	X	X									On Ice
1125				Cell 6 Vadose	6	X	X	X									On Ice
1133				Cell 7 Vadose	7	X	X	X									On Ice
1221				Cell 8 Vadose	8	X	X	X									On Ice
1233				Cell 9 Vadose	9	X	X	X									On Ice
1146				Cell 10 Vadose	10	X	X	X									On Ice

**Additional Instructions:**

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.   
 Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only				
		7/31	15:05			7/31/24	1505	Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N				
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1 _____ T2 _____ T3 _____				
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	AVG Temp °C: <u>4</u>				

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 30 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: 7/31/2024 4:12:58PM

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: 07/31/24 15:05 Work Order ID: E407254
Phone: (505) 860-6215 Date Logged In: 07/31/24 15:38 Logged In By: Noe Soto
Email: clay@walsheng.net Due Date: 08/07/24 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

Carrier: Clay Green

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

Sample 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? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

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

- 13. If no visible ice, record the temperature. Actual sample temperature: 4°C

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

Empty box for client instruction.

Comments/Resolution

Large empty box for comments/resolution.

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

Date



envirotech Inc.

Report to:  
Clay Green



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

### TNT Environmental

Project Name: TNT Landfarm 3rd Vadose

Work Order: E410367

Job Number: 17009-0001

Received: 10/29/2024

Revision: 3

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
11/7/24

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: 11/7/24

Clay Green  
PO Box 2530  
Farmington, NM 87499

Project Name: TNT Landfarm 3rd Vadose  
Workorder: E410367  
Date Received: 10/29/2024 2:18:00PM

Clay Green,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/29/2024 2:18:00PM, under the Project Name: TNT Landfarm 3rd Vadose.

The analytical test results summarized in this report with the Project Name: TNT Landfarm 3rd Vadose 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,

**Walter Hinchman**  
Laboratory Director  
Office: 505-632-1881  
Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
Laboratory Administrator  
Office: 505-632-1881  
[rainaschwanz@envirotech-inc.com](mailto:rainaschwanz@envirotech-inc.com)

Field Offices:

**Southern New Mexico Area**

**Lynn Jarboe**  
Laboratory Technical Representative  
Office: 505-421-LABS(5227)  
Cell: 505-320-4759  
[ljjarboe@envirotech-inc.com](mailto:ljjarboe@envirotech-inc.com)

**Michelle Gonzales**  
Client Representative  
Office: 505-421-LABS(5227)  
Cell: 505-947-8222  
[mgonzales@envirotech-inc.com](mailto:mgonzales@envirotech-inc.com)

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

# Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	5
Sample Data	6
Cell 1 Vadose	6
Cell 2 Vadose	8
Cell 3 Vadose	10
Cell 4 Vadose	12
Cell 5 Vadose	14
Cell 6 Vadose	16
Cell 7 Vadose	18
Cell 8 Vdose	20
Cell 9 Vadose	22
Cell 10 Vadose	24
Cell 11 Vadose	26
Cell 12 Vadose	28
Cell 13 Vadose	30
Cell 14 Vadose	32
QC Summary Data	34
QC - Volatile Organic Compounds by EPA8260B	34
QC - Nonhalogenated Organics by EPA 8015D - GRO	35
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	36
QC - Total Metals by EPA 6010C	37
QC - Anions by EPA 300.0/9056A	39

## Table of Contents (continued)

Definitions and Notes	40
Chain of Custody etc.	41

### Sample Summary

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm 3rd Vadose Project Number: 17009-0001 Project Manager: Clay Green	<b>Reported:</b> 11/07/24 12:55
--	--	------------------------------------

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Cell 1 Vadose	E410367-01A	Soil	10/29/24	10/29/24	Glass Jar, 2 oz.
Cell 2 Vadose	E410367-02A	Soil	10/29/24	10/29/24	Glass Jar, 2 oz.
Cell 3 Vadose	E410367-03A	Soil	10/29/24	10/29/24	Glass Jar, 2 oz.
Cell 4 Vadose	E410367-04A	Soil	10/29/24	10/29/24	Glass Jar, 2 oz.
Cell 5 Vadose	E410367-05A	Soil	10/29/24	10/29/24	Glass Jar, 2 oz.
Cell 6 Vadose	E410367-06A	Soil	10/29/24	10/29/24	Glass Jar, 2 oz.
Cell 7 Vadose	E410367-07A	Soil	10/29/24	10/29/24	Glass Jar, 2 oz.
Cell 8 Vadose	E410367-08A	Soil	10/29/24	10/29/24	Glass Jar, 2 oz.
Cell 9 Vadose	E410367-09A	Soil	10/29/24	10/29/24	Glass Jar, 2 oz.
Cell 10 Vadose	E410367-10A	Soil	10/29/24	10/29/24	Glass Jar, 2 oz.
Cell 11 Vadose	E410367-11A	Soil	10/29/24	10/29/24	Glass Jar, 2 oz.
Cell 12 Vadose	E410367-12A	Soil	10/29/24	10/29/24	Glass Jar, 2 oz.
Cell 13 Vadose	E410367-13A	Soil	10/29/24	10/29/24	Glass Jar, 2 oz.
Cell 14 Vadose	E410367-14A	Soil	10/29/24	10/29/24	Glass Jar, 2 oz.

### Sample Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm 3rd Vadose Project Number: 17009-0001 Project Manager: Clay Green	<b>Reported:</b> 11/7/2024 12:55:08PM
--	--	--

**Cell 1 Vadose**  
**E410367-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>		mg/kg	mg/kg	Analyst: IY		Batch: 2444128
Benzene	ND	0.0250	1	10/31/24	11/04/24	
Ethylbenzene	ND	0.0250	1	10/31/24	11/04/24	
Toluene	ND	0.0250	1	10/31/24	11/04/24	
o-Xylene	ND	0.0250	1	10/31/24	11/04/24	
p,m-Xylene	ND	0.0500	1	10/31/24	11/04/24	
Total Xylenes	ND	0.0250	1	10/31/24	11/04/24	
<i>Surrogate: Bromofluorobenzene</i>		99.1 %	70-130	10/31/24	11/04/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.9 %	70-130	10/31/24	11/04/24	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	10/31/24	11/04/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>		mg/kg	mg/kg	Analyst: IY		Batch: 2444128
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/31/24	11/04/24	
<i>Surrogate: Bromofluorobenzene</i>		99.1 %	70-130	10/31/24	11/04/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.9 %	70-130	10/31/24	11/04/24	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	10/31/24	11/04/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>		mg/kg	mg/kg	Analyst: NV		Batch: 2444141
Diesel Range Organics (C10-C28)	ND	25.0	1	10/31/24	11/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/31/24	11/05/24	
<i>Surrogate: n-Nonane</i>		103 %	50-200	10/31/24	11/05/24	
<b>Total Metals by EPA 6010C</b>		mg/kg	mg/kg	Analyst: LS		Batch: 2444133
Arsenic	ND	0.500	1	10/31/24	11/01/24	
Barium	78.0	6.25	1	10/31/24	11/01/24	
Cadmium	ND	0.250	1	10/31/24	11/01/24	
Calcium	5320	25.0	1	10/31/24	11/01/24	
Chromium	9.78	0.500	1	10/31/24	11/01/24	
Copper	3.85	0.500	1	10/31/24	11/01/24	
Iron	9330	50.0	1	10/31/24	11/01/24	
Lead	1.84	0.250	1	10/31/24	11/01/24	
Magnesium	2270	25.0	1	10/31/24	11/01/24	
Manganese	253	2.50	10	10/31/24	11/04/24	
Mercury	ND	0.250	1	10/31/24	11/01/24	
Potassium	957	250	10	10/31/24	11/04/24	
Selenium	ND	1.25	1	10/31/24	11/01/24	
Silver	ND	0.250	1	10/31/24	11/01/24	
Sodium	279	50.0	1	10/31/24	11/01/24	
Zinc	20.2	2.50	1	10/31/24	11/01/24	



### Sample Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm 3rd Vadose Project Number: 17009-0001 Project Manager: Clay Green	<b>Reported:</b> 11/7/2024 12:55:08PM
--	--	--

**Cell 1 Vadose**

**E410367-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2445020	
Fluoride	ND	2.50	1	11/04/24	11/04/24	
Chloride	<b>37.9</b>	20.0	1	11/04/24	11/04/24	
Nitrite-N	ND	2.50	1	11/04/24	11/04/24	
Nitrate-N	ND	2.50	1	11/04/24	11/04/24	
o-Phosphate-P	ND	2.50	1	11/04/24	11/04/24	
Sulfate	<b>226</b>	20.0	1	11/04/24	11/04/24	



### Sample Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm 3rd Vadose Project Number: 17009-0001 Project Manager: Clay Green	<b>Reported:</b> 11/7/2024 12:55:08PM
--	--	--

**Cell 2 Vadose**  
**E410367-02**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2444128
Benzene	ND	0.0250	1	10/31/24	11/04/24	
Ethylbenzene	ND	0.0250	1	10/31/24	11/04/24	
Toluene	ND	0.0250	1	10/31/24	11/04/24	
o-Xylene	ND	0.0250	1	10/31/24	11/04/24	
p,m-Xylene	ND	0.0500	1	10/31/24	11/04/24	
Total Xylenes	ND	0.0250	1	10/31/24	11/04/24	
<i>Surrogate: Bromofluorobenzene</i>		98.4 %	70-130	10/31/24	11/04/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	10/31/24	11/04/24	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	10/31/24	11/04/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2444128
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/31/24	11/04/24	
<i>Surrogate: Bromofluorobenzene</i>		98.4 %	70-130	10/31/24	11/04/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	10/31/24	11/04/24	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	10/31/24	11/04/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2444141
Diesel Range Organics (C10-C28)	ND	25.0	1	10/31/24	11/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/31/24	11/05/24	
<i>Surrogate: n-Nonane</i>		113 %	50-200	10/31/24	11/05/24	
<b>Total Metals by EPA 6010C</b>						
	mg/kg	mg/kg		Analyst: LS		Batch: 2444133
Arsenic	ND	0.500	1	10/31/24	11/01/24	
Barium	75.6	6.25	1	10/31/24	11/01/24	
Cadmium	ND	0.250	1	10/31/24	11/01/24	
Calcium	5460	25.0	1	10/31/24	11/01/24	
Chromium	10.1	0.500	1	10/31/24	11/01/24	
Copper	3.78	0.500	1	10/31/24	11/01/24	
Iron	9100	50.0	1	10/31/24	11/01/24	
Lead	1.94	0.250	1	10/31/24	11/01/24	
Magnesium	2210	25.0	1	10/31/24	11/01/24	
Manganese	307	2.50	10	10/31/24	11/04/24	
Mercury	ND	0.250	1	10/31/24	11/01/24	
Potassium	818	250	10	10/31/24	11/04/24	
Selenium	ND	1.25	1	10/31/24	11/01/24	
Silver	ND	0.250	1	10/31/24	11/01/24	
Sodium	212	50.0	1	10/31/24	11/01/24	
Zinc	19.5	2.50	1	10/31/24	11/01/24	



### Sample Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm 3rd Vadose Project Number: 17009-0001 Project Manager: Clay Green	<b>Reported:</b> 11/7/2024 12:55:08PM
--	--	--

**Cell 2 Vadose**

**E410367-02**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Anions by EPA 300.0/9056A</b>				Analyst: DT		Batch: 2445020
Fluoride	ND	2.50	1	11/04/24	11/04/24	
Chloride	ND	20.0	1	11/04/24	11/04/24	
Nitrite-N	ND	2.50	1	11/04/24	11/04/24	
Nitrate-N	ND	2.50	1	11/04/24	11/04/24	
o-Phosphate-P	ND	2.50	1	11/04/24	11/04/24	
Sulfate	<b>145</b>	20.0	1	11/04/24	11/04/24	



### Sample Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm 3rd Vadose Project Number: 17009-0001 Project Manager: Clay Green	<b>Reported:</b> 11/7/2024 12:55:08PM
--	--	--

**Cell 3 Vadose**  
**E410367-03**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>		mg/kg	mg/kg	Analyst: IY		Batch: 2444128
Benzene	ND	0.0250	1	10/31/24	11/04/24	
Ethylbenzene	ND	0.0250	1	10/31/24	11/04/24	
Toluene	ND	0.0250	1	10/31/24	11/04/24	
o-Xylene	ND	0.0250	1	10/31/24	11/04/24	
p,m-Xylene	ND	0.0500	1	10/31/24	11/04/24	
Total Xylenes	ND	0.0250	1	10/31/24	11/04/24	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	10/31/24	11/04/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.0 %	70-130	10/31/24	11/04/24	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	10/31/24	11/04/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>		mg/kg	mg/kg	Analyst: IY		Batch: 2444128
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/31/24	11/04/24	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	10/31/24	11/04/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.0 %	70-130	10/31/24	11/04/24	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	10/31/24	11/04/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>		mg/kg	mg/kg	Analyst: NV		Batch: 2444141
Diesel Range Organics (C10-C28)	ND	25.0	1	10/31/24	11/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/31/24	11/05/24	
<i>Surrogate: n-Nonane</i>		113 %	50-200	10/31/24	11/05/24	
<b>Total Metals by EPA 6010C</b>		mg/kg	mg/kg	Analyst: LS		Batch: 2444133
Arsenic	ND	0.500	1	10/31/24	11/01/24	
Barium	<b>94.0</b>	6.25	1	10/31/24	11/01/24	
Cadmium	ND	0.250	1	10/31/24	11/01/24	
Calcium	<b>8290</b>	25.0	1	10/31/24	11/01/24	
Chromium	<b>17.6</b>	0.500	1	10/31/24	11/01/24	
Copper	<b>8.80</b>	0.500	1	10/31/24	11/01/24	
Iron	<b>15600</b>	50.0	1	10/31/24	11/01/24	
Lead	<b>2.84</b>	0.250	1	10/31/24	11/01/24	
Magnesium	<b>4240</b>	25.0	1	10/31/24	11/01/24	
Manganese	<b>461</b>	5.00	20	10/31/24	11/04/24	
Mercury	ND	0.250	1	10/31/24	11/01/24	
Potassium	<b>1920</b>	250	10	10/31/24	11/04/24	
Selenium	ND	1.25	1	10/31/24	11/01/24	
Silver	ND	0.250	1	10/31/24	11/01/24	
Sodium	<b>163</b>	50.0	1	10/31/24	11/01/24	
Zinc	<b>37.8</b>	2.50	1	10/31/24	11/01/24	



### Sample Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm 3rd Vadose Project Number: 17009-0001 Project Manager: Clay Green	<b>Reported:</b> 11/7/2024 12:55:08PM
--	--	--

**Cell 3 Vadose**

**E410367-03**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2445020	
Fluoride	<b>12.4</b>	2.50	1	11/04/24	11/04/24	
Chloride	<b>26.9</b>	20.0	1	11/04/24	11/04/24	
Nitrite-N	ND	2.50	1	11/04/24	11/04/24	
Nitrate-N	<b>5.12</b>	2.50	1	11/04/24	11/04/24	
o-Phosphate-P	ND	2.50	1	11/04/24	11/04/24	
Sulfate	<b>22.0</b>	20.0	1	11/04/24	11/04/24	



### Sample Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm 3rd Vadose Project Number: 17009-0001 Project Manager: Clay Green	<b>Reported:</b> 11/7/2024 12:55:08PM
--	--	--

**Cell 4 Vadose**

**E410367-04**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2444128
Benzene	ND	0.0250	1	10/31/24	11/04/24	
Ethylbenzene	ND	0.0250	1	10/31/24	11/04/24	
Toluene	ND	0.0250	1	10/31/24	11/04/24	
o-Xylene	ND	0.0250	1	10/31/24	11/04/24	
p,m-Xylene	ND	0.0500	1	10/31/24	11/04/24	
Total Xylenes	ND	0.0250	1	10/31/24	11/04/24	
<i>Surrogate: Bromofluorobenzene</i>		100 %	70-130	10/31/24	11/04/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.3 %	70-130	10/31/24	11/04/24	
<i>Surrogate: Toluene-d8</i>		106 %	70-130	10/31/24	11/04/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2444128
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/31/24	11/04/24	
<i>Surrogate: Bromofluorobenzene</i>		100 %	70-130	10/31/24	11/04/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.3 %	70-130	10/31/24	11/04/24	
<i>Surrogate: Toluene-d8</i>		106 %	70-130	10/31/24	11/04/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2444141
Diesel Range Organics (C10-C28)	ND	25.0	1	10/31/24	11/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/31/24	11/05/24	
<i>Surrogate: n-Nonane</i>		103 %	50-200	10/31/24	11/05/24	
<b>Total Metals by EPA 6010C</b>						
	mg/kg	mg/kg		Analyst: LS		Batch: 2444133
Arsenic	ND	0.500	1	10/31/24	11/01/24	
Barium	53.4	6.25	1	10/31/24	11/01/24	
Cadmium	ND	0.250	1	10/31/24	11/01/24	
Calcium	3150	25.0	1	10/31/24	11/01/24	
Chromium	9.16	0.500	1	10/31/24	11/01/24	
Copper	3.22	0.500	1	10/31/24	11/01/24	
Iron	8680	50.0	1	10/31/24	11/01/24	
Lead	1.82	0.250	1	10/31/24	11/01/24	
Magnesium	1950	25.0	1	10/31/24	11/01/24	
Manganese	246	2.50	10	10/31/24	11/04/24	
Mercury	ND	0.250	1	10/31/24	11/01/24	
Potassium	760	250	10	10/31/24	11/04/24	
Selenium	ND	1.25	1	10/31/24	11/01/24	
Silver	ND	0.250	1	10/31/24	11/01/24	
Sodium	175	50.0	1	10/31/24	11/01/24	
Zinc	17.2	2.50	1	10/31/24	11/01/24	



### Sample Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm 3rd Vadose Project Number: 17009-0001 Project Manager: Clay Green	<b>Reported:</b> 11/7/2024 12:55:08PM
--	--	--

**Cell 4 Vadose**

**E410367-04**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2445020	
Fluoride	ND	2.50	1	11/04/24	11/04/24	
Chloride	ND	20.0	1	11/04/24	11/04/24	
Nitrite-N	ND	2.50	1	11/04/24	11/04/24	
Nitrate-N	ND	2.50	1	11/04/24	11/04/24	
o-Phosphate-P	ND	2.50	1	11/04/24	11/04/24	
Sulfate	ND	20.0	1	11/04/24	11/04/24	



### Sample Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm 3rd Vadose Project Number: 17009-0001 Project Manager: Clay Green	<b>Reported:</b> 11/7/2024 12:55:08PM
--	--	--

**Cell 5 Vadose**  
**E410367-05**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2444128
Benzene	ND	0.0250	1	10/31/24	11/04/24	
Ethylbenzene	ND	0.0250	1	10/31/24	11/04/24	
Toluene	ND	0.0250	1	10/31/24	11/04/24	
o-Xylene	ND	0.0250	1	10/31/24	11/04/24	
p,m-Xylene	ND	0.0500	1	10/31/24	11/04/24	
Total Xylenes	ND	0.0250	1	10/31/24	11/04/24	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	10/31/24	11/04/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.3 %	70-130	10/31/24	11/04/24	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	10/31/24	11/04/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2444128
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/31/24	11/04/24	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	10/31/24	11/04/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.3 %	70-130	10/31/24	11/04/24	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	10/31/24	11/04/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2444141
Diesel Range Organics (C10-C28)	ND	25.0	1	10/31/24	11/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/31/24	11/05/24	
<i>Surrogate: n-Nonane</i>		107 %	50-200	10/31/24	11/05/24	
<b>Total Metals by EPA 6010C</b>						
	mg/kg	mg/kg		Analyst: LS		Batch: 2444133
Arsenic	ND	0.500	1	10/31/24	11/01/24	
Barium	77.3	6.25	1	10/31/24	11/01/24	
Cadmium	ND	0.250	1	10/31/24	11/01/24	
Calcium	4370	25.0	1	10/31/24	11/01/24	
Chromium	14.5	0.500	1	10/31/24	11/01/24	
Copper	7.33	0.500	1	10/31/24	11/01/24	
Iron	13300	50.0	1	10/31/24	11/01/24	
Lead	2.54	0.250	1	10/31/24	11/01/24	
Magnesium	3540	25.0	1	10/31/24	11/01/24	
Manganese	407	2.50	10	10/31/24	11/04/24	
Mercury	ND	0.250	1	10/31/24	11/01/24	
Potassium	1750	250	10	10/31/24	11/04/24	
Selenium	ND	1.25	1	10/31/24	11/01/24	
Silver	ND	0.250	1	10/31/24	11/01/24	
Sodium	213	50.0	1	10/31/24	11/01/24	
Zinc	31.9	2.50	1	10/31/24	11/01/24	



### Sample Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm 3rd Vadose Project Number: 17009-0001 Project Manager: Clay Green	<b>Reported:</b> 11/7/2024 12:55:08PM
--	--	--

**Cell 5 Vadose**

**E410367-05**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2445020	
Fluoride	<b>6.16</b>	2.50	1	11/04/24	11/04/24	
Chloride	<b>49.1</b>	20.0	1	11/04/24	11/04/24	
Nitrite-N	ND	2.50	1	11/04/24	11/04/24	
Nitrate-N	<b>24.4</b>	2.50	1	11/04/24	11/04/24	
o-Phosphate-P	ND	2.50	1	11/04/24	11/04/24	
Sulfate	<b>74.9</b>	20.0	1	11/04/24	11/04/24	



### Sample Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm 3rd Vadose Project Number: 17009-0001 Project Manager: Clay Green	<b>Reported:</b> 11/7/2024 12:55:08PM
--	--	--

**Cell 6 Vadose**  
**E410367-06**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2444128
Benzene	ND	0.0250	1	10/31/24	11/04/24	
Ethylbenzene	ND	0.0250	1	10/31/24	11/04/24	
Toluene	ND	0.0250	1	10/31/24	11/04/24	
o-Xylene	ND	0.0250	1	10/31/24	11/04/24	
p,m-Xylene	ND	0.0500	1	10/31/24	11/04/24	
Total Xylenes	ND	0.0250	1	10/31/24	11/04/24	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	10/31/24	11/04/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		93.6 %	70-130	10/31/24	11/04/24	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	10/31/24	11/04/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2444128
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/31/24	11/04/24	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	10/31/24	11/04/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		93.6 %	70-130	10/31/24	11/04/24	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	10/31/24	11/04/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2444141
Diesel Range Organics (C10-C28)	ND	25.0	1	10/31/24	11/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/31/24	11/05/24	
<i>Surrogate: n-Nonane</i>		110 %	50-200	10/31/24	11/05/24	
<b>Total Metals by EPA 6010C</b>						
	mg/kg	mg/kg		Analyst: LS		Batch: 2444133
Arsenic	ND	0.500	1	10/31/24	11/01/24	
Barium	43.6	6.25	1	10/31/24	11/01/24	
Cadmium	ND	0.250	1	10/31/24	11/01/24	
Calcium	1780	25.0	1	10/31/24	11/01/24	
Chromium	4.85	0.500	1	10/31/24	11/01/24	
Copper	1.75	0.500	1	10/31/24	11/01/24	
Iron	5070	50.0	1	10/31/24	11/01/24	
Lead	1.14	0.250	1	10/31/24	11/01/24	
Magnesium	1010	25.0	1	10/31/24	11/01/24	
Manganese	135	2.50	10	10/31/24	11/04/24	
Mercury	ND	0.250	1	10/31/24	11/01/24	
Potassium	310	250	10	10/31/24	11/04/24	
Selenium	ND	1.25	1	10/31/24	11/01/24	
Silver	ND	0.250	1	10/31/24	11/01/24	
Sodium	207	50.0	1	10/31/24	11/01/24	
Zinc	9.27	2.50	1	10/31/24	11/01/24	



### Sample Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm 3rd Vadose Project Number: 17009-0001 Project Manager: Clay Green	<b>Reported:</b> 11/7/2024 12:55:08PM
--	--	--

**Cell 6 Vadose**

**E410367-06**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2445020	
Fluoride	ND	2.50	1	11/04/24	11/04/24	
Chloride	ND	20.0	1	11/04/24	11/04/24	
Nitrite-N	ND	2.50	1	11/04/24	11/04/24	
Nitrate-N	ND	2.50	1	11/04/24	11/04/24	
o-Phosphate-P	ND	2.50	1	11/04/24	11/04/24	
Sulfate	<b>21.7</b>	20.0	1	11/04/24	11/04/24	



### Sample Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm 3rd Vadose Project Number: 17009-0001 Project Manager: Clay Green	<b>Reported:</b> 11/7/2024 12:55:08PM
--	--	--

**Cell 7 Vadose**  
**E410367-07**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2444128
Benzene	ND	0.0250	1	10/31/24	11/04/24	
Ethylbenzene	ND	0.0250	1	10/31/24	11/04/24	
Toluene	ND	0.0250	1	10/31/24	11/04/24	
o-Xylene	ND	0.0250	1	10/31/24	11/04/24	
p,m-Xylene	ND	0.0500	1	10/31/24	11/04/24	
Total Xylenes	ND	0.0250	1	10/31/24	11/04/24	
<i>Surrogate: Bromofluorobenzene</i>		99.9 %	70-130	10/31/24	11/04/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		92.5 %	70-130	10/31/24	11/04/24	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	10/31/24	11/04/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2444128
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/31/24	11/04/24	
<i>Surrogate: Bromofluorobenzene</i>		99.9 %	70-130	10/31/24	11/04/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		92.5 %	70-130	10/31/24	11/04/24	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	10/31/24	11/04/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2444141
Diesel Range Organics (C10-C28)	ND	25.0	1	10/31/24	11/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/31/24	11/05/24	
<i>Surrogate: n-Nonane</i>		109 %	50-200	10/31/24	11/05/24	
<b>Total Metals by EPA 6010C</b>						
	mg/kg	mg/kg		Analyst: LS		Batch: 2444133
Arsenic	ND	0.500	1	10/31/24	11/01/24	
Barium	125	6.25	1	10/31/24	11/01/24	
Cadmium	ND	0.250	1	10/31/24	11/01/24	
Calcium	5310	25.0	1	10/31/24	11/01/24	
Chromium	23.9	0.500	1	10/31/24	11/01/24	
Copper	13.0	0.500	1	10/31/24	11/01/24	
Iron	36100	500	10	10/31/24	11/04/24	
Lead	3.24	0.250	1	10/31/24	11/01/24	
Magnesium	10100	250	10	10/31/24	11/04/24	
Manganese	588	5.00	20	10/31/24	11/04/24	
Mercury	ND	0.250	1	10/31/24	11/01/24	
Potassium	4310	250	10	10/31/24	11/04/24	
Selenium	1.37	1.25	1	10/31/24	11/01/24	
Silver	ND	0.250	1	10/31/24	11/01/24	
Sodium	362	50.0	1	10/31/24	11/01/24	
Zinc	54.9	2.50	1	10/31/24	11/01/24	



### Sample Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm 3rd Vadose Project Number: 17009-0001 Project Manager: Clay Green	<b>Reported:</b> 11/7/2024 12:55:08PM
--	--	--

**Cell 7 Vadose**

**E410367-07**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2445020	
Fluoride	<b>18.6</b>	2.50	1	11/04/24	11/04/24	
Chloride	<b>245</b>	20.0	1	11/04/24	11/04/24	
Nitrite-N	ND	2.50	1	11/04/24	11/04/24	
Nitrate-N	<b>7.09</b>	2.50	1	11/04/24	11/04/24	
o-Phosphate-P	ND	2.50	1	11/04/24	11/04/24	
Sulfate	<b>173</b>	20.0	1	11/04/24	11/04/24	



### Sample Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm 3rd Vadose Project Number: 17009-0001 Project Manager: Clay Green	<b>Reported:</b> 11/7/2024 12:55:08PM
--	--	--

**Cell 8 Vdose**  
**E410367-08**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2444128
Benzene	ND	0.0250	1	10/31/24	11/04/24	
Ethylbenzene	ND	0.0250	1	10/31/24	11/04/24	
Toluene	ND	0.0250	1	10/31/24	11/04/24	
o-Xylene	ND	0.0250	1	10/31/24	11/04/24	
p,m-Xylene	ND	0.0500	1	10/31/24	11/04/24	
Total Xylenes	ND	0.0250	1	10/31/24	11/04/24	
<i>Surrogate: Bromofluorobenzene</i>		99.5 %	70-130	10/31/24	11/04/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.0 %	70-130	10/31/24	11/04/24	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	10/31/24	11/04/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2444128
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/31/24	11/04/24	
<i>Surrogate: Bromofluorobenzene</i>		99.5 %	70-130	10/31/24	11/04/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.0 %	70-130	10/31/24	11/04/24	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	10/31/24	11/04/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2444141
Diesel Range Organics (C10-C28)	ND	25.0	1	10/31/24	11/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/31/24	11/05/24	
<i>Surrogate: n-Nonane</i>		116 %	50-200	10/31/24	11/05/24	
<b>Total Metals by EPA 6010C</b>						
	mg/kg	mg/kg		Analyst: LS		Batch: 2444133
Arsenic	ND	0.500	1	10/31/24	11/01/24	
Barium	142	6.25	1	10/31/24	11/01/24	
Cadmium	ND	0.250	1	10/31/24	11/01/24	
Calcium	14300	250	10	10/31/24	11/04/24	
Chromium	20.0	0.500	1	10/31/24	11/01/24	
Copper	9.79	0.500	1	10/31/24	11/01/24	
Iron	16700	50.0	1	10/31/24	11/01/24	
Lead	2.93	0.250	1	10/31/24	11/01/24	
Magnesium	7780	250	10	10/31/24	11/04/24	
Manganese	385	2.50	10	10/31/24	11/04/24	
Mercury	ND	0.250	1	10/31/24	11/01/24	
Potassium	3300	250	10	10/31/24	11/04/24	
Selenium	ND	1.25	1	10/31/24	11/01/24	
Silver	ND	0.250	1	10/31/24	11/01/24	
Sodium	208	50.0	1	10/31/24	11/01/24	
Zinc	45.7	2.50	1	10/31/24	11/01/24	



### Sample Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm 3rd Vadose Project Number: 17009-0001 Project Manager: Clay Green	<b>Reported:</b> 11/7/2024 12:55:08PM
--	--	--

**Cell 8 Vdose**

**E410367-08**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2445020	
Fluoride	13.5	2.50	1	11/04/24	11/04/24	
Chloride	51.4	20.0	1	11/04/24	11/04/24	
Nitrite-N	ND	2.50	1	11/04/24	11/04/24	
Nitrate-N	18.3	2.50	1	11/04/24	11/04/24	
o-Phosphate-P	ND	2.50	1	11/04/24	11/04/24	
Sulfate	27.5	20.0	1	11/04/24	11/04/24	



### Sample Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm 3rd Vadose Project Number: 17009-0001 Project Manager: Clay Green	<b>Reported:</b> 11/7/2024 12:55:08PM
--	--	--

**Cell 9 Vadose**  
**E410367-09**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>		mg/kg	mg/kg	Analyst: IY		Batch: 2444128
Benzene	ND	0.0250	1	10/31/24	11/04/24	
Ethylbenzene	ND	0.0250	1	10/31/24	11/04/24	
Toluene	ND	0.0250	1	10/31/24	11/04/24	
o-Xylene	ND	0.0250	1	10/31/24	11/04/24	
p,m-Xylene	ND	0.0500	1	10/31/24	11/04/24	
Total Xylenes	ND	0.0250	1	10/31/24	11/04/24	
<i>Surrogate: Bromofluorobenzene</i>		99.4 %	70-130	10/31/24	11/04/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.5 %	70-130	10/31/24	11/04/24	
<i>Surrogate: Toluene-d8</i>		106 %	70-130	10/31/24	11/04/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>		mg/kg	mg/kg	Analyst: IY		Batch: 2444128
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/31/24	11/04/24	
<i>Surrogate: Bromofluorobenzene</i>		99.4 %	70-130	10/31/24	11/04/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.5 %	70-130	10/31/24	11/04/24	
<i>Surrogate: Toluene-d8</i>		106 %	70-130	10/31/24	11/04/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>		mg/kg	mg/kg	Analyst: NV		Batch: 2444141
Diesel Range Organics (C10-C28)	ND	25.0	1	10/31/24	11/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/31/24	11/05/24	
<i>Surrogate: n-Nonane</i>		119 %	50-200	10/31/24	11/05/24	
<b>Total Metals by EPA 6010C</b>		mg/kg	mg/kg	Analyst: LS		Batch: 2444133
Arsenic	ND	0.500	1	10/31/24	11/01/24	
Barium	92.4	6.25	1	10/31/24	11/01/24	
Cadmium	ND	0.250	1	10/31/24	11/01/24	
Calcium	8040	25.0	1	10/31/24	11/01/24	
Chromium	15.9	0.500	1	10/31/24	11/01/24	
Copper	8.12	0.500	1	10/31/24	11/01/24	
Iron	13800	50.0	1	10/31/24	11/01/24	
Lead	2.44	0.250	1	10/31/24	11/01/24	
Magnesium	3830	25.0	1	10/31/24	11/01/24	
Manganese	319	2.50	10	10/31/24	11/04/24	
Mercury	ND	0.250	1	10/31/24	11/01/24	
Potassium	2560	250	10	10/31/24	11/04/24	
Selenium	ND	1.25	1	10/31/24	11/01/24	
Silver	ND	0.250	1	10/31/24	11/01/24	
Sodium	418	50.0	1	10/31/24	11/01/24	
Zinc	36.4	2.50	1	10/31/24	11/01/24	



### Sample Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm 3rd Vadose Project Number: 17009-0001 Project Manager: Clay Green	<b>Reported:</b> 11/7/2024 12:55:08PM
--	--	--

**Cell 9 Vadose**

**E410367-09**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2445020	
Fluoride	11.6	2.50	1	11/04/24	11/04/24	
Chloride	ND	20.0	1	11/04/24	11/04/24	
Nitrite-N	ND	2.50	1	11/04/24	11/04/24	
Nitrate-N	ND	2.50	1	11/04/24	11/04/24	
o-Phosphate-P	ND	2.50	1	11/04/24	11/04/24	
Sulfate	237	20.0	1	11/04/24	11/04/24	



### Sample Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm 3rd Vadose Project Number: 17009-0001 Project Manager: Clay Green	<b>Reported:</b> 11/7/2024 12:55:08PM
--	--	--

**Cell 10 Vadose**  
**E410367-10**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2444128
Benzene	ND	0.0250	1	10/31/24	11/04/24	
Ethylbenzene	ND	0.0250	1	10/31/24	11/04/24	
Toluene	ND	0.0250	1	10/31/24	11/04/24	
o-Xylene	ND	0.0250	1	10/31/24	11/04/24	
p,m-Xylene	ND	0.0500	1	10/31/24	11/04/24	
Total Xylenes	ND	0.0250	1	10/31/24	11/04/24	
<i>Surrogate: Bromofluorobenzene</i>		97.3 %	70-130	10/31/24	11/04/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.8 %	70-130	10/31/24	11/04/24	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	10/31/24	11/04/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2444128
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/31/24	11/04/24	
<i>Surrogate: Bromofluorobenzene</i>		97.3 %	70-130	10/31/24	11/04/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.8 %	70-130	10/31/24	11/04/24	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	10/31/24	11/04/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2444141
Diesel Range Organics (C10-C28)	ND	25.0	1	10/31/24	11/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/31/24	11/05/24	
<i>Surrogate: n-Nonane</i>		106 %	50-200	10/31/24	11/05/24	
<b>Total Metals by EPA 6010C</b>						
	mg/kg	mg/kg		Analyst: LS		Batch: 2444133
Arsenic	ND	0.500	1	10/31/24	11/01/24	
Barium	53.5	6.25	1	10/31/24	11/01/24	
Cadmium	ND	0.250	1	10/31/24	11/01/24	
Calcium	3010	25.0	1	10/31/24	11/01/24	
Chromium	5.74	0.500	1	10/31/24	11/01/24	
Copper	1.46	0.500	1	10/31/24	11/01/24	
Iron	5450	50.0	1	10/31/24	11/01/24	
Lead	1.15	0.250	1	10/31/24	11/01/24	
Magnesium	1340	25.0	1	10/31/24	11/01/24	
Manganese	170	2.50	10	10/31/24	11/04/24	
Mercury	ND	0.250	1	10/31/24	11/01/24	
Potassium	458	250	10	10/31/24	11/04/24	
Selenium	ND	1.25	1	10/31/24	11/01/24	
Silver	ND	0.250	1	10/31/24	11/01/24	
Sodium	145	50.0	1	10/31/24	11/01/24	
Zinc	10.1	2.50	1	10/31/24	11/01/24	



### Sample Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm 3rd Vadose Project Number: 17009-0001 Project Manager: Clay Green	<b>Reported:</b> 11/7/2024 12:55:08PM
--	--	--

#### Cell 10 Vadose

#### E410367-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2445020	
Fluoride	ND	2.50	1	11/04/24	11/04/24	
Chloride	<b>45.5</b>	20.0	1	11/04/24	11/04/24	
Nitrite-N	ND	2.50	1	11/04/24	11/04/24	
Nitrate-N	ND	2.50	1	11/04/24	11/04/24	
o-Phosphate-P	ND	2.50	1	11/04/24	11/04/24	
Sulfate	<b>67.0</b>	20.0	1	11/04/24	11/04/24	



### Sample Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm 3rd Vadose Project Number: 17009-0001 Project Manager: Clay Green	<b>Reported:</b> 11/7/2024 12:55:08PM
--	--	--

**Cell 11 Vadose**  
**E410367-11**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>		mg/kg	mg/kg	Analyst: IY		Batch: 2444128
Benzene	ND	0.0250	1	10/31/24	11/04/24	
Ethylbenzene	ND	0.0250	1	10/31/24	11/04/24	
Toluene	ND	0.0250	1	10/31/24	11/04/24	
o-Xylene	ND	0.0250	1	10/31/24	11/04/24	
p,m-Xylene	ND	0.0500	1	10/31/24	11/04/24	
Total Xylenes	ND	0.0250	1	10/31/24	11/04/24	
<i>Surrogate: Bromofluorobenzene</i>		98.5 %	70-130	10/31/24	11/04/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.7 %	70-130	10/31/24	11/04/24	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	10/31/24	11/04/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>		mg/kg	mg/kg	Analyst: IY		Batch: 2444128
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/31/24	11/04/24	
<i>Surrogate: Bromofluorobenzene</i>		98.5 %	70-130	10/31/24	11/04/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.7 %	70-130	10/31/24	11/04/24	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	10/31/24	11/04/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>		mg/kg	mg/kg	Analyst: NV		Batch: 2444141
Diesel Range Organics (C10-C28)	ND	25.0	1	10/31/24	11/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/31/24	11/05/24	
<i>Surrogate: n-Nonane</i>		111 %	50-200	10/31/24	11/05/24	
<b>Total Metals by EPA 6010C</b>		mg/kg	mg/kg	Analyst: LS		Batch: 2444133
Arsenic	ND	0.500	1	10/31/24	11/01/24	
Barium	<b>116</b>	6.25	1	10/31/24	11/01/24	
Cadmium	ND	0.250	1	10/31/24	11/01/24	
Calcium	<b>6670</b>	25.0	1	10/31/24	11/01/24	
Chromium	<b>19.5</b>	0.500	1	10/31/24	11/01/24	
Copper	<b>8.30</b>	0.500	1	10/31/24	11/01/24	
Iron	<b>26700</b>	1000	20	10/31/24	11/04/24	
Lead	<b>3.29</b>	0.250	1	10/31/24	11/01/24	
Magnesium	<b>7130</b>	500	20	10/31/24	11/04/24	
Manganese	<b>480</b>	5.00	20	10/31/24	11/04/24	
Mercury	ND	0.250	1	10/31/24	11/01/24	
Potassium	<b>3330</b>	500	20	10/31/24	11/04/24	
Selenium	ND	1.25	1	10/31/24	11/01/24	
Silver	ND	0.250	1	10/31/24	11/01/24	
Sodium	<b>635</b>	50.0	1	10/31/24	11/01/24	
Zinc	<b>42.9</b>	2.50	1	10/31/24	11/01/24	



### Sample Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm 3rd Vadose Project Number: 17009-0001 Project Manager: Clay Green	<b>Reported:</b> 11/7/2024 12:55:08PM
--	--	--

**Cell 11 Vadose**

**E410367-11**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2445020	
Fluoride	<b>8.10</b>	2.50	1	11/04/24	11/04/24	
Chloride	<b>73.4</b>	20.0	1	11/04/24	11/04/24	
Nitrite-N	ND	2.50	1	11/04/24	11/04/24	
Nitrate-N	ND	2.50	1	11/04/24	11/04/24	
o-Phosphate-P	ND	2.50	1	11/04/24	11/04/24	
Sulfate	<b>125</b>	20.0	1	11/04/24	11/04/24	



### Sample Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm 3rd Vadose Project Number: 17009-0001 Project Manager: Clay Green	<b>Reported:</b> 11/7/2024 12:55:08PM
--	--	--

**Cell 12 Vadose**  
**E410367-12**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>		mg/kg	mg/kg	Analyst: IY		Batch: 2444128
Benzene	ND	0.0250	1	10/31/24	11/04/24	
Ethylbenzene	ND	0.0250	1	10/31/24	11/04/24	
Toluene	ND	0.0250	1	10/31/24	11/04/24	
o-Xylene	ND	0.0250	1	10/31/24	11/04/24	
p,m-Xylene	ND	0.0500	1	10/31/24	11/04/24	
Total Xylenes	ND	0.0250	1	10/31/24	11/04/24	
<i>Surrogate: Bromofluorobenzene</i>		99.8 %	70-130	10/31/24	11/04/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.7 %	70-130	10/31/24	11/04/24	
<i>Surrogate: Toluene-d8</i>		106 %	70-130	10/31/24	11/04/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>		mg/kg	mg/kg	Analyst: IY		Batch: 2444128
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/31/24	11/04/24	
<i>Surrogate: Bromofluorobenzene</i>		99.8 %	70-130	10/31/24	11/04/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.7 %	70-130	10/31/24	11/04/24	
<i>Surrogate: Toluene-d8</i>		106 %	70-130	10/31/24	11/04/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>		mg/kg	mg/kg	Analyst: NV		Batch: 2444141
Diesel Range Organics (C10-C28)	ND	25.0	1	10/31/24	11/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/31/24	11/05/24	
<i>Surrogate: n-Nonane</i>		120 %	50-200	10/31/24	11/05/24	
<b>Total Metals by EPA 6010C</b>		mg/kg	mg/kg	Analyst: LS		Batch: 2444133
Arsenic	ND	0.500	1	10/31/24	11/01/24	
Barium	149	6.25	1	10/31/24	11/01/24	
Cadmium	ND	0.250	1	10/31/24	11/01/24	
Calcium	4370	25.0	1	10/31/24	11/01/24	
Chromium	19.9	0.500	1	10/31/24	11/01/24	
Copper	8.30	0.500	1	10/31/24	11/01/24	
Iron	16400	50.0	1	10/31/24	11/01/24	
Lead	3.15	0.250	1	10/31/24	11/01/24	
Magnesium	7350	500	20	10/31/24	11/04/24	
Manganese	410	5.00	20	10/31/24	11/04/24	
Mercury	ND	0.250	1	10/31/24	11/01/24	
Potassium	4780	500	20	10/31/24	11/04/24	
Selenium	ND	1.25	1	10/31/24	11/01/24	
Silver	ND	0.250	1	10/31/24	11/01/24	
Sodium	651	50.0	1	10/31/24	11/01/24	
Zinc	48.3	2.50	1	10/31/24	11/01/24	



### Sample Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm 3rd Vadose Project Number: 17009-0001 Project Manager: Clay Green	<b>Reported:</b> 11/7/2024 12:55:08PM
--	--	--

**Cell 12 Vadose**

**E410367-12**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2445020	
Fluoride	<b>26.5</b>	2.50	1	11/04/24	11/04/24	
Chloride	<b>145</b>	20.0	1	11/04/24	11/04/24	
Nitrite-N	ND	2.50	1	11/04/24	11/04/24	
Nitrate-N	ND	2.50	1	11/04/24	11/04/24	
o-Phosphate-P	ND	2.50	1	11/04/24	11/04/24	
Sulfate	<b>317</b>	20.0	1	11/04/24	11/04/24	



### Sample Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm 3rd Vadose Project Number: 17009-0001 Project Manager: Clay Green	<b>Reported:</b> 11/7/2024 12:55:08PM
--	--	--

**Cell 13 Vadose**  
**E410367-13**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2444128
Benzene	ND	0.0250	1	10/31/24	11/04/24	
Ethylbenzene	ND	0.0250	1	10/31/24	11/04/24	
Toluene	ND	0.0250	1	10/31/24	11/04/24	
o-Xylene	ND	0.0250	1	10/31/24	11/04/24	
p,m-Xylene	ND	0.0500	1	10/31/24	11/04/24	
Total Xylenes	ND	0.0250	1	10/31/24	11/04/24	
<i>Surrogate: Bromofluorobenzene</i>		99.1 %	70-130	10/31/24	11/04/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	10/31/24	11/04/24	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	10/31/24	11/04/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2444128
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/31/24	11/04/24	
<i>Surrogate: Bromofluorobenzene</i>		99.1 %	70-130	10/31/24	11/04/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	10/31/24	11/04/24	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	10/31/24	11/04/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2444141
Diesel Range Organics (C10-C28)	ND	25.0	1	10/31/24	11/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/31/24	11/05/24	
<i>Surrogate: n-Nonane</i>		112 %	50-200	10/31/24	11/05/24	
<b>Total Metals by EPA 6010C</b>						
	mg/kg	mg/kg		Analyst: LS		Batch: 2444133
Arsenic	ND	0.500	1	10/31/24	11/01/24	
Barium	<b>80.0</b>	6.25	1	10/31/24	11/01/24	
Cadmium	ND	0.250	1	10/31/24	11/01/24	
Calcium	<b>18200</b>	250	10	10/31/24	11/04/24	
Chromium	<b>15.5</b>	0.500	1	10/31/24	11/01/24	
Copper	<b>18.6</b>	0.500	1	10/31/24	11/01/24	
Iron	<b>15200</b>	50.0	1	10/31/24	11/01/24	
Lead	<b>3.17</b>	0.250	1	10/31/24	11/01/24	
Magnesium	<b>3250</b>	25.0	1	10/31/24	11/01/24	
Manganese	<b>372</b>	2.50	10	10/31/24	11/04/24	
Mercury	ND	0.250	1	10/31/24	11/01/24	
Potassium	<b>2420</b>	250	10	10/31/24	11/04/24	
Selenium	ND	1.25	1	10/31/24	11/01/24	
Silver	ND	0.250	1	10/31/24	11/01/24	
Sodium	<b>231</b>	50.0	1	10/31/24	11/01/24	
Zinc	<b>36.0</b>	2.50	1	10/31/24	11/01/24	



### Sample Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm 3rd Vadose Project Number: 17009-0001 Project Manager: Clay Green	<b>Reported:</b> 11/7/2024 12:55:08PM
--	--	--

**Cell 13 Vadose**

**E410367-13**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2445020	
Fluoride	3.01	2.50	1	11/04/24	11/04/24	
Chloride	ND	20.0	1	11/04/24	11/04/24	
Nitrite-N	ND	2.50	1	11/04/24	11/04/24	
Nitrate-N	ND	2.50	1	11/04/24	11/04/24	
o-Phosphate-P	ND	2.50	1	11/04/24	11/04/24	
Sulfate	ND	20.0	1	11/04/24	11/04/24	



### Sample Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm 3rd Vadose Project Number: 17009-0001 Project Manager: Clay Green	<b>Reported:</b> 11/7/2024 12:55:08PM
--	--	--

**Cell 14 Vadose**  
**E410367-14**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2444128
Benzene	ND	0.0250	1	10/31/24	11/04/24	
Ethylbenzene	ND	0.0250	1	10/31/24	11/04/24	
Toluene	ND	0.0250	1	10/31/24	11/04/24	
o-Xylene	ND	0.0250	1	10/31/24	11/04/24	
p,m-Xylene	ND	0.0500	1	10/31/24	11/04/24	
Total Xylenes	ND	0.0250	1	10/31/24	11/04/24	
<i>Surrogate: Bromofluorobenzene</i>		99.2 %	70-130	10/31/24	11/04/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.1 %	70-130	10/31/24	11/04/24	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	10/31/24	11/04/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2444128
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/31/24	11/04/24	
<i>Surrogate: Bromofluorobenzene</i>		99.2 %	70-130	10/31/24	11/04/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.1 %	70-130	10/31/24	11/04/24	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	10/31/24	11/04/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2444141
Diesel Range Organics (C10-C28)	ND	25.0	1	10/31/24	11/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/31/24	11/05/24	
<i>Surrogate: n-Nonane</i>		115 %	50-200	10/31/24	11/05/24	
<b>Total Metals by EPA 6010C</b>						
	mg/kg	mg/kg		Analyst: LS		Batch: 2444133
Arsenic	ND	0.500	1	10/31/24	11/01/24	
Barium	79.1	6.25	1	10/31/24	11/01/24	
Cadmium	ND	0.250	1	10/31/24	11/01/24	
Calcium	7010	25.0	1	10/31/24	11/01/24	
Chromium	13.2	0.500	1	10/31/24	11/01/24	
Copper	6.02	0.500	1	10/31/24	11/01/24	
Iron	12000	50.0	1	10/31/24	11/01/24	
Lead	2.33	0.250	1	10/31/24	11/01/24	
Magnesium	2980	25.0	1	10/31/24	11/01/24	
Manganese	368	5.00	20	10/31/24	11/04/24	
Mercury	ND	0.250	1	10/31/24	11/01/24	
Potassium	1480	500	20	10/31/24	11/04/24	
Selenium	ND	1.25	1	10/31/24	11/01/24	
Silver	ND	0.250	1	10/31/24	11/01/24	
Sodium	281	50.0	1	10/31/24	11/01/24	
Zinc	28.0	2.50	1	10/31/24	11/01/24	



### Sample Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm 3rd Vadose Project Number: 17009-0001 Project Manager: Clay Green	<b>Reported:</b> 11/7/2024 12:55:08PM
--	--	--

#### Cell 14 Vadose

#### E410367-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2445020	
Fluoride	4.61	2.50	1	11/04/24	11/04/24	
Chloride	22.9	20.0	1	11/04/24	11/04/24	
Nitrite-N	ND	2.50	1	11/04/24	11/04/24	
Nitrate-N	ND	2.50	1	11/04/24	11/04/24	
o-Phosphate-P	ND	2.50	1	11/04/24	11/04/24	
Sulfate	141	20.0	1	11/04/24	11/04/24	



### QC Summary Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm 3rd Vadose Project Number: 17009-0001 Project Manager: Clay Green	<b>Reported:</b> 11/7/2024 12:55:08PM
--	--	--

#### Volatile Organic Compounds by EPA 8260B

Analyst: IY

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

**Blank (2444128-BLK1)**

Prepared: 10/31/24 Analyzed: 11/04/24

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: Bromofluorobenzene	0.499		0.500		99.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.460		0.500		92.0	70-130			
Surrogate: Toluene-d8	0.515		0.500		103	70-130			

**LCS (2444128-BS1)**

Prepared: 10/31/24 Analyzed: 11/04/24

Benzene	2.17	0.0250	2.50		87.0	70-130			
Ethylbenzene	2.45	0.0250	2.50		98.1	70-130			
Toluene	2.38	0.0250	2.50		95.2	70-130			
o-Xylene	2.53	0.0250	2.50		101	70-130			
p,m-Xylene	5.10	0.0500	5.00		102	70-130			
Total Xylenes	7.63	0.0250	7.50		102	70-130			
Surrogate: Bromofluorobenzene	0.496		0.500		99.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.495		0.500		98.9	70-130			
Surrogate: Toluene-d8	0.519		0.500		104	70-130			

**LCS Dup (2444128-BSD1)**

Prepared: 10/31/24 Analyzed: 11/04/24

Benzene	2.18	0.0250	2.50		87.1	70-130	0.138	23	
Ethylbenzene	2.45	0.0250	2.50		98.1	70-130	0.00	27	
Toluene	2.38	0.0250	2.50		95.0	70-130	0.189	24	
o-Xylene	2.59	0.0250	2.50		104	70-130	2.50	27	
p,m-Xylene	5.15	0.0500	5.00		103	70-130	0.887	27	
Total Xylenes	7.74	0.0250	7.50		103	70-130	1.42	27	
Surrogate: Bromofluorobenzene	0.507		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.491		0.500		98.1	70-130			
Surrogate: Toluene-d8	0.520		0.500		104	70-130			



### QC Summary Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm 3rd Vadose Project Number: 17009-0001 Project Manager: Clay Green	<b>Reported:</b> 11/7/2024 12:55:08PM
--	--	--

#### Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

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

**Blank (2444128-BLK1)**

Prepared: 10/31/24 Analyzed: 11/04/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.499		0.500		99.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.460		0.500		92.0	70-130			
Surrogate: Toluene-d8	0.515		0.500		103	70-130			

**LCS (2444128-BS2)**

Prepared: 10/31/24 Analyzed: 11/04/24

Gasoline Range Organics (C6-C10)	56.3	20.0	50.0		113	70-130			
Surrogate: Bromofluorobenzene	0.513		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.491		0.500		98.2	70-130			
Surrogate: Toluene-d8	0.536		0.500		107	70-130			

**LCS Dup (2444128-BSD2)**

Prepared: 10/31/24 Analyzed: 11/04/24

Gasoline Range Organics (C6-C10)	53.1	20.0	50.0		106	70-130	5.82	20	
Surrogate: Bromofluorobenzene	0.501		0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.486		0.500		97.1	70-130			
Surrogate: Toluene-d8	0.532		0.500		106	70-130			



### QC Summary Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm 3rd Vadose Project Number: 17009-0001 Project Manager: Clay Green	<b>Reported:</b> 11/7/2024 12:55:08PM
--	--	--

#### Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

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

**Blank (2444141-BLK1)**

Prepared: 10/31/24 Analyzed: 11/05/24

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	52.9		50.0		106	50-200			

**LCS (2444141-BS1)**

Prepared: 10/31/24 Analyzed: 11/05/24

Diesel Range Organics (C10-C28)	245	25.0	250		98.0	38-132			
Surrogate: n-Nonane	53.2		50.0		106	50-200			

**LCS Dup (2444141-BSD1)**

Prepared: 10/31/24 Analyzed: 11/05/24

Diesel Range Organics (C10-C28)	251	25.0	250		100	38-132	2.50	20	
Surrogate: n-Nonane	52.8		50.0		106	50-200			



### QC Summary Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm 3rd Vadose Project Number: 17009-0001 Project Manager: Clay Green	<b>Reported:</b> 11/7/2024 12:55:08PM
--	--	--

#### Total Metals by EPA 6010C

Analyst: LS

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

#### Blank (2444133-BLK1)

Prepared: 10/31/24 Analyzed: 11/01/24

Arsenic	ND	0.500							
Barium	ND	6.25							
Cadmium	ND	0.250							
Calcium	ND	25.0							
Chromium	ND	0.500							
Copper	ND	0.500							
Iron	ND	50.0							
Lead	ND	0.250							
Magnesium	ND	25.0							
Manganese	ND	0.250							
Mercury	ND	0.250							
Potassium	ND	25.0							
Selenium	ND	1.25							
Silver	ND	0.250							
Sodium	ND	50.0							
Zinc	ND	2.50							

#### LCS (2444133-BS1)

Prepared: 10/31/24 Analyzed: 11/01/24

Arsenic	11.2	0.500	12.5		89.6	80-120			
Barium	300	6.25	313		95.9	80-120			
Cadmium	5.76	0.250	6.25		92.1	80-120			
Calcium	1200	25.0	1250		95.8	80-120			
Chromium	23.5	0.500	25.0		94.1	80-120			
Copper	11.7	0.500	12.5		93.7	80-120			
Iron	2420	50.0	2500		96.7	80-120			
Lead	5.88	0.250	6.25		94.1	80-120			
Magnesium	1210	25.0	1250		97.0	80-120			
Manganese	5.87	0.250	6.25		93.9	80-120			
Mercury	22.6	0.250	25.0		90.3	80-120			
Potassium	119	25.0	125		95.6	80-120			
Selenium	28.2	1.25	31.3		90.3	80-120			
Silver	2.00	0.250	2.50		79.9	80-120			L4
Sodium	471	50.0	500		94.2	80-120			
Zinc	58.2	2.50	62.5		93.1	80-120			

#### Matrix Spike (2444133-MS1)

Source: E410321-01

Prepared: 10/31/24 Analyzed: 11/01/24

Arsenic	10.9	0.500	12.5	1.33	76.6	75-125			
Barium	337	6.25	313	90.2	78.9	75-125			
Cadmium	4.66	0.250	6.25	ND	74.5	75-125			M2
Calcium	5280	25.0	1250	5000	22.0	75-125			M2
Chromium	24.4	0.500	25.0	5.24	76.8	75-125			
Copper	13.6	0.500	12.5	3.36	81.7	75-125			
Iron	8780	50.0	2500	7070	68.4	75-125			M2
Lead	8.17	0.250	6.25	3.39	76.4	75-125			
Magnesium	3790	25.0	1250	2910	70.4	75-125			M2
Manganese	227	2.50	6.25	203	395	75-125			M4
Mercury	17.8	0.250	25.0	ND	71.1	75-125			M2
Potassium	2810	250	125	2740	60.0	75-125			M4
Selenium	23.8	1.25	31.3	ND	76.2	75-125			
Silver	1.64	0.250	2.50	ND	65.5	75-125			M2
Sodium	524	50.0	500	172	70.3	75-125			M2
Zinc	81.7	2.50	62.5	27.4	87.0	75-125			

#### Matrix Spike Dup (2444133-MSD1)

Source: E410321-01

Prepared: 10/31/24 Analyzed: 11/01/24

Arsenic	11.1	0.500	12.5	1.33	78.0	75-125	1.55	20	
Barium	340	6.25	313	90.2	79.9	75-125	0.887	20	
Cadmium	4.61	0.250	6.25	ND	73.7	75-125	1.08	20	M2
Calcium	6260	25.0	1250	5000	101	75-125	17.1	20	
Chromium	24.7	0.500	25.0	5.24	77.9	75-125	1.11	20	
Copper	13.7	0.500	12.5	3.36	82.4	75-125	0.625	20	
Iron	9100	50.0	2500	7070	81.4	75-125	3.64	20	
Lead	8.07	0.250	6.25	3.39	74.8	75-125	1.23	20	M2
Magnesium	3900	25.0	1250	2910	79.2	75-125	2.86	20	



### QC Summary Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm 3rd Vadose Project Number: 17009-0001 Project Manager: Clay Green	<b>Reported:</b> 11/7/2024 12:55:08PM
--	--	--

#### Total Metals by EPA 6010C

Analyst: LS

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

**Matrix Spike Dup (2444133-MSD1)**

Source: E410321-01

Prepared: 10/31/24 Analyzed: 11/04/24

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Manganese	215	2.50	6.25	203	194	75-125	5.70	20	M4
Mercury	18.0	0.250	25.0	ND	72.0	75-125	1.24	20	M2
Potassium	2850	250	125	2740	92.0	75-125	1.41	20	M2
Selenium	24.0	1.25	31.3	ND	76.7	75-125	0.680	20	
Silver	1.68	0.250	2.50	ND	67.2	75-125	2.56	20	M2
Sodium	527	50.0	500	172	71.0	75-125	0.714	20	M2
Zinc	94.7	2.50	62.5	27.4	108	75-125	14.7	20	



### QC Summary Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm 3rd Vadose Project Number: 17009-0001 Project Manager: Clay Green	<b>Reported:</b> 11/7/2024 12:55:08PM
--	--	--

#### Anions by EPA 300.0/9056A

Analyst: DT

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

#### Blank (2445020-BLK1)

Prepared: 11/04/24 Analyzed: 11/04/24

Fluoride	ND	2.50							
Chloride	ND	20.0							
Nitrite-N	ND	2.50							
Nitrate-N	ND	2.50							
o-Phosphate-P	ND	2.50							
Sulfate	ND	20.0							

#### LCS (2445020-BS1)

Prepared: 11/04/24 Analyzed: 11/05/24

Fluoride	26.4	2.50	25.0		106	90-110			
Chloride	255	20.0	250		102	90-110			
Nitrite-N	27.0	2.50	25.0		108	90-110			
Nitrate-N	27.3	2.50	25.0		109	90-110			
o-Phosphate-P	132	2.50	125		105	90-110			
Sulfate	262	20.0	250		105	90-110			

#### LCS Dup (2445020-BSD1)

Prepared: 11/04/24 Analyzed: 11/04/24

Fluoride	26.3	2.50	25.0		105	90-110	0.714	20	
Chloride	254	20.0	250		101	90-110	0.497	20	
Nitrite-N	26.7	2.50	25.0		107	90-110	0.935	20	
Nitrate-N	27.1	2.50	25.0		108	90-110	0.652	20	
o-Phosphate-P	132	2.50	125		106	90-110	0.0531	20	
Sulfate	260	20.0	250		104	90-110	0.751	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 PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm 3rd Vadose Project Number: 17009-0001 Project Manager: Clay Green	<b>Reported:</b> 11/07/24 12:55
--	--	------------------------------------

- L4 The LCS spike recovery was below acceptance limits.
- M2 Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.
- M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.
- 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.

Client: TNT Environmental  
 Project: TNT Landfarm 3rd Vadose  
 Project Manager: Clay Green  
 Address: PO Box 2530  
 City, State, Zip: Farmington NM 87499  
 Phone:  
 Email: Clay@walsheng.net, Shawna, Arleen, Marie  
 Report due by:

**Bill To**  
 Attention: TNT Environmental  
 Address: PO Box 2530  
 City, State, Zip  
 Phone:  
 Email:

Lab/Use Only		TAT			EPA Program				
Lab:WO# <b>E410367</b>	Job: Number <b>17009-0001</b>	1D	2D	3D	Standard	CWA	SDWA		
Analysis and Method					X				
					State				
					NM	CO	UT	AZ	TX
					X				
					RCRA				

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	Major Cat/An	RCRA 8 Heavy Metals	Remarks
10:10	10-29-24	S	1	Cell 1 Vadose	1	X	X	X				X	X	On Ice
10:37				Cell 2 Vadose	2	X	X	X				X	X	On Ice
10:45				Cell 3 Vadose	3	X	X	X				X	X	On Ice
9:54				Cell 4 Vadose	4	X	X	X				X	X	On Ice
10:05				Cell 5 Vadose	5	X	X	X				X	X	On Ice
10:14				Cell 6 Vadose	6	X	X	X				X	X	On Ice
10:24				Cell 7 Vadose	7	X	X	X				X	X	On Ice
9:18				Cell 8 Vadose	8	X	X	X				X	X	On Ice
9:25				Cell 9 Vadose	9	X	X	X				X	X	On Ice
10:36				Cell 10 Vadose	10	X	X	X				X	X	On Ice

**Additional Instructions:**

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature) <i>Clay Green</i>	Date 10-29-24	Time 14:18	Received by: (Signature) <i>Noe</i>	Date 10-29-24	Time 14:18	Lab/Use Only Received on ice: Y / N T1 _____ T2 _____ T3 _____ AVG Temp °C _____
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 30 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.

2 of 2

7/31/2025 10:10:37 AM

Received by: OCD - 6/3/2025 12:14:58 PM

Page 41 of 43

Page 336 of 375

Client: TNT Environmental  
 Project: TNT Landfarm 3rd Vadose  
 Project Manager: Clay Green  
 Address: PO Box 2530  
 City, State, Zip: Farmington NM 87499  
 Phone: \_\_\_\_\_  
 Email: Clay@walsheng.net, Shawna, Arleen, Marie

**Bill To**  
 Attention: TNT Environmental  
 Address: PO Box 2530  
 City, State, Zip: \_\_\_\_\_  
 Phone: \_\_\_\_\_  
 Email: \_\_\_\_\_

Lab Use Only		TAT			EPA Program		
Lab WO#	Job Number	1D	2D	3D	Standard	CWA	SDWA
<u>E410347</u>	<u>1709.0001</u>				X		
Analysis and Method							RCRA
DRO/ORO by 8015							
GRO/DRO by 8015							
BTEX by 8021							
VOC by 8260							
Metals 6010							
Chloride 300.0							
Major Cat/An							
RCRA 8 Heavy Metals							
State							
NM							
CO							
UT							
AZ							
TX							

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	Major Cat/An	RCRA 8 Heavy Metals	1D	2D	3D	Standard	CWA	SDWA	Remarks	
10:46	10-29-24	S	1		11	X	X	X				X	X								On/ice
10:57			1		12	X	X	X				X	X								On/ice
11:12			1		13	X	X	X				X	X								On/ice
11:21			1		14	X	X	X				X	X								On/ice

**Additional Instructions:**

1. (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: Clay Green

Inquired by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Received on ice: Y / N
<u>[Signature]</u>	10-29-24	14:18	<u>[Signature]</u>	10-29-24	14:18	Y / N
Inquired by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Received on ice: Y / N
Inquired by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Received on ice: Y / N

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA  
 Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.  
 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.

2 of 2

### Envirotech Analytical Laboratory

Printed: 10/30/2024 9:56:17AM

#### 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:	10/29/24 14:18	Work Order ID:	E410367
Phone:	(505) 860-6215	Date Logged In:	10/30/24 09:51	Logged In By:	Caitlin Mars
Email:	clay@walsheng.net	Due Date:	11/05/24 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

Carrier: Clay Green

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

#### Comments/Resolution

#### Sample 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? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

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

- 13. If no visible ice, record the temperature. Actual sample temperature: 4°C

#### 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.

Report to:  
Emilee Skyles



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

### TNT Environmental

Project Name: TNT Landfarm- Vadose Zone

Work Order: E504307

Job Number: 17009-0001

Received: 4/30/2025

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
5/7/25

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: 5/7/25

Emilee Skyles  
PO Box 2530  
Farmington, NM 87499

Project Name: TNT Landfarm- Vadose Zone  
Workorder: E504307  
Date Received: 4/30/2025 10:59:00AM

Emilee Skyles,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/30/2025 10:59:00AM, under the Project Name: TNT Landfarm- Vadose Zone.

The analytical test results summarized in this report with the Project Name: 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,

**Walter Hinchman**  
Laboratory Director  
Office: 505-632-1881  
Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
Laboratory Administrator  
Office: 505-632-1881  
[rainaschwanz@envirotech-inc.com](mailto:rainaschwanz@envirotech-inc.com)

Field Offices:

**Southern New Mexico Area**

**Lynn Jarboe**  
Laboratory Technical Representative  
Office: 505-421-LABS(5227)  
Cell: 505-320-4759  
[ljjarboe@envirotech-inc.com](mailto:ljjarboe@envirotech-inc.com)

**Michelle Gonzales**  
Client Representative  
Office: 505-421-LABS(5227)  
Cell: 505-947-8222  
[mgonzales@envirotech-inc.com](mailto:mgonzales@envirotech-inc.com)

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

## Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	5
Sample Data	6
Cell 1 Vadose	6
Cell 2 Vadose	7
Cell 3 Vadose	8
Cell 4 Vadose	9
Cell 5 Vadose	10
Cell 6 Vadose	11
Cell 7 Vadose	12
Cell 8 Vadose	13
Cell 9 Vadose	14
Cell 10 Vadose	15
Cell 11 Vadose	16
Cell 12 Vadose	17
Cell 13 Vadose	18
Cell 14 Vadose	19
QC Summary Data	20
QC - Volatile Organics by EPA 8021B	20
QC - Nonhalogenated Organics by EPA 8015D - GRO	21
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	22
QC - Anions by EPA 300.0/9056A	23
Definitions and Notes	24

## Table of Contents (continued)

Chain of Custody etc.

25

### Sample Summary

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm- Vadose Zone Project Number: 17009-0001 Project Manager: Emilee Skyles	<b>Reported:</b> 05/07/25 10:46
--	---	------------------------------------

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Cell 1 Vadose	E504307-01A	Soil	04/29/25	04/30/25	Glass Jar, 2 oz.
Cell 2 Vadose	E504307-02A	Soil	04/29/25	04/30/25	Glass Jar, 2 oz.
Cell 3 Vadose	E504307-03A	Soil	04/29/25	04/30/25	Glass Jar, 2 oz.
Cell 4 Vadose	E504307-04A	Soil	04/29/25	04/30/25	Glass Jar, 2 oz.
Cell 5 Vadose	E504307-05A	Soil	04/29/25	04/30/25	Glass Jar, 2 oz.
Cell 6 Vadose	E504307-06A	Soil	04/29/25	04/30/25	Glass Jar, 2 oz.
Cell 7 Vadose	E504307-07A	Soil	04/29/25	04/30/25	Glass Jar, 2 oz.
Cell 8 Vadose	E504307-08A	Soil	04/29/25	04/30/25	Glass Jar, 2 oz.
Cell 9 Vadose	E504307-09A	Soil	04/29/25	04/30/25	Glass Jar, 2 oz.
Cell 10 Vadose	E504307-10A	Soil	04/29/25	04/30/25	Glass Jar, 2 oz.
Cell 11 Vadose	E504307-11A	Soil	04/29/25	04/30/25	Glass Jar, 2 oz.
Cell 12 Vadose	E504307-12A	Soil	04/29/25	04/30/25	Glass Jar, 2 oz.
Cell 13 Vadose	E504307-13A	Soil	04/29/25	04/30/25	Glass Jar, 2 oz.
Cell 14 Vadose	E504307-14A	Soil	04/29/25	04/30/25	Glass Jar, 2 oz.

### Sample Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm- Vadose Zone Project Number: 17009-0001 Project Manager: Emilee Skyles	<b>Reported:</b> 5/7/2025 10:46:59AM
--	---	---

**Cell 1 Vadose**  
**E504307-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2518075	
Benzene	ND	0.0250	1	04/30/25	05/01/25	
Ethylbenzene	ND	0.0250	1	04/30/25	05/01/25	
Toluene	ND	0.0250	1	04/30/25	05/01/25	
o-Xylene	ND	0.0250	1	04/30/25	05/01/25	
p,m-Xylene	ND	0.0500	1	04/30/25	05/01/25	
Total Xylenes	ND	0.0250	1	04/30/25	05/01/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		104 %	70-130	04/30/25	05/01/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2518075	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/30/25	05/01/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.5 %	70-130	04/30/25	05/01/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2518083	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/01/25	05/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/01/25	05/01/25	
<i>Surrogate: n-Nonane</i>		101 %	61-141	05/01/25	05/01/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: JM		Batch: 2518091	
Chloride	35.0	20.0	1	05/01/25	05/01/25	



### Sample Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm- Vadose Zone Project Number: 17009-0001 Project Manager: Emilee Skyles	<b>Reported:</b> 5/7/2025 10:46:59AM
--	---	---

**Cell 2 Vadose**

**E504307-02**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2518075	
Benzene	ND	0.0250	1	04/30/25	05/01/25	
Ethylbenzene	ND	0.0250	1	04/30/25	05/01/25	
Toluene	ND	0.0250	1	04/30/25	05/01/25	
o-Xylene	ND	0.0250	1	04/30/25	05/01/25	
p,m-Xylene	ND	0.0500	1	04/30/25	05/01/25	
Total Xylenes	ND	0.0250	1	04/30/25	05/01/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		105 %	70-130	04/30/25	05/01/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2518075	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/30/25	05/01/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.8 %	70-130	04/30/25	05/01/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2518083	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/01/25	05/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/01/25	05/01/25	
<i>Surrogate: n-Nonane</i>		111 %	61-141	05/01/25	05/01/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: JM		Batch: 2518091	
Chloride	122	20.0	1	05/01/25	05/01/25	



### Sample Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm- Vadose Zone Project Number: 17009-0001 Project Manager: Emilee Skyles	<b>Reported:</b> 5/7/2025 10:46:59AM
--	---	---

**Cell 3 Vadose**  
**E504307-03**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2518075
Benzene	ND	0.0250	1	04/30/25	05/01/25	
Ethylbenzene	ND	0.0250	1	04/30/25	05/01/25	
Toluene	ND	0.0250	1	04/30/25	05/01/25	
o-Xylene	ND	0.0250	1	04/30/25	05/01/25	
p,m-Xylene	ND	0.0500	1	04/30/25	05/01/25	
Total Xylenes	ND	0.0250	1	04/30/25	05/01/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	70-130	04/30/25	05/01/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2518075
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/30/25	05/01/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.2 %	70-130	04/30/25	05/01/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: NV		Batch: 2518083
Diesel Range Organics (C10-C28)	ND	25.0	1	05/01/25	05/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/01/25	05/01/25	
<i>Surrogate: n-Nonane</i>		99.0 %	61-141	05/01/25	05/01/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: JM		Batch: 2518091
Chloride	35.7	20.0	1	05/01/25	05/01/25	

### Sample Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm- Vadose Zone Project Number: 17009-0001 Project Manager: Emilee Skyles	<b>Reported:</b> 5/7/2025 10:46:59AM
--	---	---

**Cell 4 Vadose**  
**E504307-04**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2518075
Benzene	ND	0.0250	1	04/30/25	05/01/25	
Ethylbenzene	ND	0.0250	1	04/30/25	05/01/25	
Toluene	ND	0.0250	1	04/30/25	05/01/25	
o-Xylene	ND	0.0250	1	04/30/25	05/01/25	
p,m-Xylene	ND	0.0500	1	04/30/25	05/01/25	
Total Xylenes	ND	0.0250	1	04/30/25	05/01/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	04/30/25	05/01/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2518075
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/30/25	05/01/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		91.7 %	70-130	04/30/25	05/01/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2518083
Diesel Range Organics (C10-C28)	ND	25.0	1	05/01/25	05/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/01/25	05/01/25	
<i>Surrogate: n-Nonane</i>						
		98.6 %	61-141	05/01/25	05/01/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: JM		Batch: 2518091
Chloride	46.7	20.0	1	05/01/25	05/01/25	

### Sample Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm- Vadose Zone Project Number: 17009-0001 Project Manager: Emilee Skyles	<b>Reported:</b> 5/7/2025 10:46:59AM
--	---	---

**Cell 5 Vadose**  
**E504307-05**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2518075
Benzene	ND	0.0250	1	04/30/25	05/01/25	
Ethylbenzene	ND	0.0250	1	04/30/25	05/01/25	
Toluene	ND	0.0250	1	04/30/25	05/01/25	
o-Xylene	ND	0.0250	1	04/30/25	05/01/25	
p,m-Xylene	ND	0.0500	1	04/30/25	05/01/25	
Total Xylenes	ND	0.0250	1	04/30/25	05/01/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	04/30/25	05/01/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2518075
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/30/25	05/01/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		92.2 %	70-130	04/30/25	05/01/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2518083
Diesel Range Organics (C10-C28)	ND	25.0	1	05/01/25	05/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/01/25	05/01/25	
<i>Surrogate: n-Nonane</i>						
		101 %	61-141	05/01/25	05/01/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: JM		Batch: 2518091
Chloride	24.1	20.0	1	05/01/25	05/01/25	

### Sample Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm- Vadose Zone Project Number: 17009-0001 Project Manager: Emilee Skyles	<b>Reported:</b> 5/7/2025 10:46:59AM
--	---	---

**Cell 6 Vadose**  
**E504307-06**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2518075
Benzene	ND	0.0250	1	04/30/25	05/01/25	
Ethylbenzene	ND	0.0250	1	04/30/25	05/01/25	
Toluene	ND	0.0250	1	04/30/25	05/01/25	
o-Xylene	ND	0.0250	1	04/30/25	05/01/25	
p,m-Xylene	ND	0.0500	1	04/30/25	05/01/25	
Total Xylenes	ND	0.0250	1	04/30/25	05/01/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	04/30/25	05/01/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2518075
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/30/25	05/01/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		92.2 %	70-130	04/30/25	05/01/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2518083
Diesel Range Organics (C10-C28)	ND	25.0	1	05/01/25	05/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/01/25	05/01/25	
<i>Surrogate: n-Nonane</i>						
		95.3 %	61-141	05/01/25	05/01/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: JM		Batch: 2518091
Chloride	181	20.0	1	05/01/25	05/01/25	

### Sample Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm- Vadose Zone Project Number: 17009-0001 Project Manager: Emilee Skyles	<b>Reported:</b> 5/7/2025 10:46:59AM
--	---	---

**Cell 7 Vadose**  
**E504307-07**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>		mg/kg	mg/kg	Analyst: BA		Batch: 2518075
Benzene	ND	0.0250	1	04/30/25	05/01/25	
Ethylbenzene	ND	0.0250	1	04/30/25	05/01/25	
Toluene	ND	0.0250	1	04/30/25	05/01/25	
o-Xylene	ND	0.0250	1	04/30/25	05/01/25	
p,m-Xylene	ND	0.0500	1	04/30/25	05/01/25	
Total Xylenes	ND	0.0250	1	04/30/25	05/01/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	70-130	04/30/25	05/01/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>		mg/kg	mg/kg	Analyst: BA		Batch: 2518075
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/30/25	05/01/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.6 %	70-130	04/30/25	05/01/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>		mg/kg	mg/kg	Analyst: NV		Batch: 2518083
Diesel Range Organics (C10-C28)	ND	25.0	1	05/01/25	05/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/01/25	05/02/25	
<i>Surrogate: n-Nonane</i>		90.7 %	61-141	05/01/25	05/02/25	
<b>Anions by EPA 300.0/9056A</b>		mg/kg	mg/kg	Analyst: JM		Batch: 2518091
Chloride	312	20.0	1	05/01/25	05/01/25	

### Sample Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm- Vadose Zone Project Number: 17009-0001 Project Manager: Emilee Skyles	<b>Reported:</b> 5/7/2025 10:46:59AM
--	---	---

**Cell 8 Vadose**  
**E504307-08**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2518075
Benzene	ND	0.0250	1	04/30/25	05/01/25	
Ethylbenzene	ND	0.0250	1	04/30/25	05/01/25	
Toluene	ND	0.0250	1	04/30/25	05/01/25	
o-Xylene	ND	0.0250	1	04/30/25	05/01/25	
p,m-Xylene	ND	0.0500	1	04/30/25	05/01/25	
Total Xylenes	ND	0.0250	1	04/30/25	05/01/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	04/30/25	05/01/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2518075
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/30/25	05/01/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		91.8 %	70-130	04/30/25	05/01/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2518083
Diesel Range Organics (C10-C28)	ND	25.0	1	05/01/25	05/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/01/25	05/02/25	
<i>Surrogate: n-Nonane</i>						
		102 %	61-141	05/01/25	05/02/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: JM		Batch: 2518091
Chloride	213	20.0	1	05/01/25	05/01/25	

### Sample Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm- Vadose Zone Project Number: 17009-0001 Project Manager: Emilee Skyles	<b>Reported:</b> 5/7/2025 10:46:59AM
--	---	---

**Cell 9 Vadose**  
**E504307-09**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2518075
Benzene	ND	0.0250	1	04/30/25	05/01/25	
Ethylbenzene	ND	0.0250	1	04/30/25	05/01/25	
Toluene	ND	0.0250	1	04/30/25	05/01/25	
o-Xylene	ND	0.0250	1	04/30/25	05/01/25	
p,m-Xylene	ND	0.0500	1	04/30/25	05/01/25	
Total Xylenes	ND	0.0250	1	04/30/25	05/01/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	04/30/25	05/01/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2518075
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/30/25	05/01/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		92.9 %	70-130	04/30/25	05/01/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2518083
Diesel Range Organics (C10-C28)	ND	25.0	1	05/01/25	05/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/01/25	05/02/25	
<i>Surrogate: n-Nonane</i>						
		102 %	61-141	05/01/25	05/02/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: JM		Batch: 2518091
Chloride	40.0	20.0	1	05/01/25	05/01/25	

### Sample Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm- Vadose Zone Project Number: 17009-0001 Project Manager: Emilee Skyles	<b>Reported:</b> 5/7/2025 10:46:59AM
--	---	---

**Cell 10 Vadose**  
**E504307-10**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2518075
Benzene	ND	0.0250	1	04/30/25	05/01/25	
Ethylbenzene	ND	0.0250	1	04/30/25	05/01/25	
Toluene	ND	0.0250	1	04/30/25	05/01/25	
o-Xylene	ND	0.0250	1	04/30/25	05/01/25	
p,m-Xylene	ND	0.0500	1	04/30/25	05/01/25	
Total Xylenes	ND	0.0250	1	04/30/25	05/01/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	04/30/25	05/01/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2518075
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/30/25	05/01/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		91.9 %	70-130	04/30/25	05/01/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2518083
Diesel Range Organics (C10-C28)	ND	25.0	1	05/01/25	05/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/01/25	05/02/25	
<i>Surrogate: n-Nonane</i>						
		95.1 %	61-141	05/01/25	05/02/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: JM		Batch: 2518091
Chloride	ND	20.0	1	05/01/25	05/01/25	



### Sample Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm- Vadose Zone Project Number: 17009-0001 Project Manager: Emilee Skyles	<b>Reported:</b> 5/7/2025 10:46:59AM
--	---	---

**Cell 11 Vadose  
E504307-11**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2518075
Benzene	ND	0.0250	1	04/30/25	05/01/25	
Ethylbenzene	ND	0.0250	1	04/30/25	05/01/25	
Toluene	ND	0.0250	1	04/30/25	05/01/25	
o-Xylene	ND	0.0250	1	04/30/25	05/01/25	
p,m-Xylene	ND	0.0500	1	04/30/25	05/01/25	
Total Xylenes	ND	0.0250	1	04/30/25	05/01/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	04/30/25	05/01/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2518075
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/30/25	05/01/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		92.1 %	70-130	04/30/25	05/01/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2518083
Diesel Range Organics (C10-C28)	ND	25.0	1	05/01/25	05/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/01/25	05/02/25	
<i>Surrogate: n-Nonane</i>						
		102 %	61-141	05/01/25	05/02/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: JM		Batch: 2518091
Chloride	261	20.0	1	05/01/25	05/01/25	



### Sample Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm- Vadose Zone Project Number: 17009-0001 Project Manager: Emilee Skyles	<b>Reported:</b> 5/7/2025 10:46:59AM
--	---	---

**Cell 12 Vadose**  
**E504307-12**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2518075
Benzene	ND	0.0250	1	04/30/25	05/01/25	
Ethylbenzene	ND	0.0250	1	04/30/25	05/01/25	
Toluene	ND	0.0250	1	04/30/25	05/01/25	
o-Xylene	ND	0.0250	1	04/30/25	05/01/25	
p,m-Xylene	ND	0.0500	1	04/30/25	05/01/25	
Total Xylenes	ND	0.0250	1	04/30/25	05/01/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	04/30/25	05/01/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2518075
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/30/25	05/01/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		92.7 %	70-130	04/30/25	05/01/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2518083
Diesel Range Organics (C10-C28)	ND	25.0	1	05/01/25	05/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/01/25	05/02/25	
<i>Surrogate: n-Nonane</i>						
		100 %	61-141	05/01/25	05/02/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: JM		Batch: 2518091
Chloride	153	20.0	1	05/01/25	05/01/25	

### Sample Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm- Vadose Zone Project Number: 17009-0001 Project Manager: Emilee Skyles	<b>Reported:</b> 5/7/2025 10:46:59AM
--	---	---

**Cell 13 Vadose**  
**E504307-13**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2518075
Benzene	ND	0.0250	1	04/30/25	05/01/25	
Ethylbenzene	ND	0.0250	1	04/30/25	05/01/25	
Toluene	ND	0.0250	1	04/30/25	05/01/25	
o-Xylene	ND	0.0250	1	04/30/25	05/01/25	
p,m-Xylene	ND	0.0500	1	04/30/25	05/01/25	
Total Xylenes	ND	0.0250	1	04/30/25	05/01/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	04/30/25	05/01/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2518075
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/30/25	05/01/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		92.2 %	70-130	04/30/25	05/01/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2518083
Diesel Range Organics (C10-C28)	ND	25.0	1	05/01/25	05/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/01/25	05/02/25	
<i>Surrogate: n-Nonane</i>						
		96.8 %	61-141	05/01/25	05/02/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: JM		Batch: 2518091
Chloride	ND	20.0	1	05/01/25	05/01/25	



### Sample Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm- Vadose Zone Project Number: 17009-0001 Project Manager: Emilee Skyles	<b>Reported:</b> 5/7/2025 10:46:59AM
--	---	---

**Cell 14 Vadose**  
**E504307-14**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2518075
Benzene	ND	0.0250	1	04/30/25	05/01/25	
Ethylbenzene	ND	0.0250	1	04/30/25	05/01/25	
Toluene	ND	0.0250	1	04/30/25	05/01/25	
o-Xylene	ND	0.0250	1	04/30/25	05/01/25	
p,m-Xylene	ND	0.0500	1	04/30/25	05/01/25	
Total Xylenes	ND	0.0250	1	04/30/25	05/01/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	04/30/25	05/01/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2518075
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/30/25	05/01/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		93.2 %	70-130	04/30/25	05/01/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2518083
Diesel Range Organics (C10-C28)	ND	25.0	1	05/01/25	05/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/01/25	05/02/25	
<i>Surrogate: n-Nonane</i>						
		103 %	61-141	05/01/25	05/02/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: JM		Batch: 2518091
Chloride	ND	20.0	1	05/01/25	05/01/25	

### QC Summary Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm- Vadose Zone Project Number: 17009-0001 Project Manager: Emilee Skyles	Reported: 5/7/2025 10:46:59AM
--	---	----------------------------------

#### Volatile Organics by EPA 8021B

Analyst: BA

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

#### Blank (2518075-BLK1)

Prepared: 04/30/25 Analyzed: 05/01/25

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	8.32		8.00		104	70-130			

#### LCS (2518075-BS1)

Prepared: 04/30/25 Analyzed: 05/01/25

Benzene	5.37	0.0250	5.00		107	70-130			
Ethylbenzene	5.54	0.0250	5.00		111	70-130			
Toluene	5.50	0.0250	5.00		110	70-130			
o-Xylene	5.47	0.0250	5.00		109	70-130			
p,m-Xylene	11.2	0.0500	10.0		112	70-130			
Total Xylenes	16.6	0.0250	15.0		111	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.29		8.00		104	70-130			

#### Matrix Spike (2518075-MS1)

Source: E504307-02

Prepared: 04/30/25 Analyzed: 05/01/25

Benzene	5.27	0.0250	5.00	ND	105	70-130			
Ethylbenzene	5.43	0.0250	5.00	ND	109	70-130			
Toluene	5.40	0.0250	5.00	ND	108	70-130			
o-Xylene	5.37	0.0250	5.00	ND	107	70-130			
p,m-Xylene	10.9	0.0500	10.0	ND	109	70-130			
Total Xylenes	16.3	0.0250	15.0	ND	109	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.31		8.00		104	70-130			

#### Matrix Spike Dup (2518075-MSD1)

Source: E504307-02

Prepared: 04/30/25 Analyzed: 05/01/25

Benzene	5.10	0.0250	5.00	ND	102	70-130	3.46	27	
Ethylbenzene	5.24	0.0250	5.00	ND	105	70-130	3.58	26	
Toluene	5.21	0.0250	5.00	ND	104	70-130	3.57	20	
o-Xylene	5.18	0.0250	5.00	ND	103	70-130	3.64	25	
p,m-Xylene	10.5	0.0500	10.0	ND	105	70-130	3.68	23	
Total Xylenes	15.7	0.0250	15.0	ND	105	70-130	3.67	26	
Surrogate: 4-Bromochlorobenzene-PID	8.27		8.00		103	70-130			



### QC Summary Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm- Vadose Zone Project Number: 17009-0001 Project Manager: Emilee Skyles	<b>Reported:</b> 5/7/2025 10:46:59AM
--	---	---

#### Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

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

**Blank (2518075-BLK1)**

Prepared: 04/30/25 Analyzed: 05/01/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.34		8.00		91.8	70-130			

**LCS (2518075-BS2)**

Prepared: 04/30/25 Analyzed: 05/01/25

Gasoline Range Organics (C6-C10)	44.3	20.0	50.0		88.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.40		8.00		92.5	70-130			

**Matrix Spike (2518075-MS2)**

Source: E504307-02

Prepared: 04/30/25 Analyzed: 05/01/25

Gasoline Range Organics (C6-C10)	46.1	20.0	50.0	ND	92.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.47		8.00		93.3	70-130			

**Matrix Spike Dup (2518075-MSD2)**

Source: E504307-02

Prepared: 04/30/25 Analyzed: 05/01/25

Gasoline Range Organics (C6-C10)	46.5	20.0	50.0	ND	93.1	70-130	1.04	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.40		8.00		92.5	70-130			



### QC Summary Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm- Vadose Zone Project Number: 17009-0001 Project Manager: Emilee Skyles	<b>Reported:</b> 5/7/2025 10:46:59AM
--	---	---

#### Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

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

**Blank (2518083-BLK1)**

Prepared: 05/01/25 Analyzed: 05/01/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	46.1		50.0		92.2	61-141			

**LCS (2518083-BS1)**

Prepared: 05/01/25 Analyzed: 05/01/25

Diesel Range Organics (C10-C28)	274	25.0	250		110	66-144			
Surrogate: <i>n</i> -Nonane	48.7		50.0		97.4	61-141			

**Matrix Spike (2518083-MS1)**

Source: E504307-03

Prepared: 05/01/25 Analyzed: 05/01/25

Diesel Range Organics (C10-C28)	270	25.0	250	ND	108	56-156			
Surrogate: <i>n</i> -Nonane	48.6		50.0		97.1	61-141			

**Matrix Spike Dup (2518083-MSD1)**

Source: E504307-03

Prepared: 05/01/25 Analyzed: 05/01/25

Diesel Range Organics (C10-C28)	272	25.0	250	ND	109	56-156	0.796	20	
Surrogate: <i>n</i> -Nonane	48.9		50.0		97.8	61-141			



### QC Summary Data

TNT Environmental PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm- Vadose Zone Project Number: 17009-0001 Project Manager: Emilee Skyles	<b>Reported:</b> 5/7/2025 10:46:59AM
--	---	---

#### Anions by EPA 300.0/9056A

Analyst: JM

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

**Blank (2518091-BLK1)**

Prepared: 05/01/25 Analyzed: 05/01/25

Chloride ND 20.0

**LCS (2518091-BS1)**

Prepared: 05/01/25 Analyzed: 05/01/25

Chloride 253 20.0 250 101 90-110

**Matrix Spike (2518091-MS1)**

Source: E504307-07

Prepared: 05/01/25 Analyzed: 05/01/25

Chloride 555 20.0 250 312 97.5 80-120

**Matrix Spike Dup (2518091-MSD1)**

Source: E504307-07

Prepared: 05/01/25 Analyzed: 05/01/25

Chloride 568 20.0 250 312 103 80-120 2.25 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 PO Box 2530 Farmington NM, 87499	Project Name: TNT Landfarm- Vadose Zone Project Number: 17009-0001 Project Manager: Emilee Skyles	<b>Reported:</b> 05/07/25 10:46
--	---	------------------------------------

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.



Client Information				Invoice Information				Lab Use Only				TAT				State			
Client: TNT Environmental Project Name: TNT Landfarm - Vadose Zone Project Manager: Emilee Skyles Address: 180 E 12th St City, State, Zip: Durango, CO 81301 Phone: 970-946-9869 Email: lmnop.env@gmail.com				Company: TNT Environmental Address: PO Box 3520 City, State, Zip: Phone: mail: Miscellaneous:				Lab WO# E504307		Job Number 17009-0001		1D	2D	3D	Std	NM	CO	UT	TX
												Analysis and Method				EPA Program			
												SDWA	CWA	RCRA					
												Compliance	Y	or	N				
												PWSID #							
Sample Information												Sample Temp	Remarks						
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCO 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX				
10:29	4/29/25	Soil	1	Cell 1 Vadose		1	X	X	X	X						3.6			
11:00	4/29/25	Soil	1	Cell 2 Vadose		2	X	X	X	X						3.4			
11:37	4/29/25	Soil	1	Cell 3 Vadose		3	X	X	X	X						2.6			
12:39	4/29/25	Soil	1	Cell 4 Vadose		4	X	X	X	X						3.8			
13:34	4/29/25	Soil	1	Cell 5 Vadose		5	X	X	X	X						2.8			
13:07	4/29/25	Soil	1	Cell 6 Vadose		6	X	X	X	X						3.5			
12:07	4/29/25	Soil	1	Cell 7 Vadose		7	X	X	X	X						3.0			
16:00	4/29/25	Soil	1	Cell 8 Vadose		8	X	X	X	X						3.6			
15:30	4/29/25	Soil	1	Cell 9 Vadose		9	X	X	X	X						2.5			
14:02	4/29/25	Soil	1	Cell 10 Vadose		10	X	X	X	X						2.7			
Additional Instructions:																			
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: <i>[Signature]</i>																			
Relinquished by: (Signature) <i>[Signature]</i>			Date: 4/30/25		Time: 10:59 AM		Received by: (Signature) <i>[Signature]</i>			Date: 4-30-25		Time: 10:59		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:							
												Lab Use Only				Received on ice:			
																Y N			
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.																			

Client Information				Invoice Information				Lab Use Only				TAT				State										
Client: TNT Environmental Project Name: TNT Landfarm - Vadose Project Manager: Emilee Skyles Address: 180 E 12th St City, State, Zip: Durango, CO, 81301 Phone: 970-946-9869 Email: lmnop.env@gmail.com				Company: TNT Environmental Address: PO Box 3520 City, State, Zip: Phone: mail: Miscellaneous:				Lab WO# E564307		Job Number 17009-000		1D 2D 3D Std x		NM CO UT TX x												
Sample Information										Analysis and Method						EPA Program										
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TEEQ 1005 - TX	PCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA	Compliance	Y	or	N	PWSID #	Sample Temp	Remarks	
15:00	4/29/25	Soil	1	Cell 11 Vadose		11	X	X	X	X														3.1		
14:40	4/29/25	Soil	1	Cell 12 Vadose		12	X	X	X	X														3.4		
16:23	4/29/25	Soil	1	Cell 13 Vadose		13	X	X	X	X														4.0		
16:35	4/29/25	Soil	1	Cell 14 Vadose		14	X	X	X	X														3.8		
Additional Instructions:																										
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: <i>[Signature]</i>																										
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.  <b>Lab Use Only</b> Received on ice: <input checked="" type="radio"/> Y / <input type="radio"/> N										
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.																										

Released to Imaging: 7/3/2025 10:33:21 AM

Received by: OCD: 6/3/2025 12:14:58 PM

Page 26 of 92

Page 364 of 375

Envirotech Analytical Laboratory

Printed: 4/30/2025 11:22:36AM

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: 04/30/25 10:59 Work Order ID: E504307
Phone: (505) 860-6215 Date Logged In: 04/30/25 11:18 Logged In By: Caitlin Mars
Email: lmnop.env@gmail.com Due Date: 05/07/25 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

Carrier: Brian Skyles

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

Sample 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

Empty box for client instruction.

Comments/Resolution

Large empty box for comments/resolution.

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

Date



envirotech Inc.

## APPENDIX B



# New Mexico Office of the State Engineer

## Water Column/Average Depth to Water

(A  
 CLW#####  
 in the POD  
 suffix  
 indicates  
 the POD has  
 been  
 replaced  
 & no longer  
 serves a  
 water right  
 file.)

(R=POD has  
 been  
 replaced,  
 O=orphaned,  
 C=the file is  
 closed)

(quarters are  
 smallest to  
 largest)

(In feet)

POD Number	Code	Sub basin	County	Q64	Q16	Q4	Sec	Tws	Range	X	Y	Map	Well Depth	Depth Water	Water Column
<a href="#">SJ01305</a>		SJ	RA	SW	NW	SW	08	25N	03W	304876.0	4031601.0 *		750	265	485

Average Depth to Water: **265 feet**

Minimum Depth: **265 feet**

Maximum Depth: **265 feet**

**Record Count:** 1

**Basin/County Search:**

**County:** RA

**PLSS Search:**

**Range:** 03W

**Township:** 25N

**Section:** 8

\* UTM location was derived from PLSS - see Help

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



# New Mexico Office of the State Engineer Wells With Well Log Information

(A  
CLW#####  
in the  
POD suffix  
indicates the  
POD has  
been (R=POD has  
replaced & been  
no longer replaced,  
serves a O=orphaned,  
water right C=the file is  
file.) closed)

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

(NAD83 UTM in meters)

(in feet)

POD Number	Code	Sub basin	County	Source	Q64	Q16	Q4	Sec	Tws	Range	X	Y	Start Date	Finish Date	Log File Date	Borehole Depth	Depth Water First Encountered	Driller	License Number
<a href="#">SJ_01305</a>		SJ	RA	Artesian	SW	NW	SW	08	25N	03W	304876.0	4031601.0 *	1980-11-28	1980-12-15	1982-01-21	750	265	CHIVERS,BRYCE	809

**Record Count:** 1

**Basin/County Search:**

**County:** RA

**PLSS Search:**

**Range:** 03W

**Township:** 25N

**Section:** 8

\* UTM location was derived from PLSS - see Help

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

Revised June 1972

STATE ENGINEER OFFICE  
WELL RECORD

STATE ENGINEER  
SANTA FE, N.M.

Section 1. GENERAL INFORMATION

(A) Owner of well Mr. John E. Schalk '82 JAN 25 AM 11 22  
Street or Post Office Address P. O. Box 25825 Owner's Well No. \_\_\_\_\_  
City and State Albuquerque, N. M. 87125

Well was drilled under Permit No. SJ-1305-T and is located in the:

- a. SW  $\frac{1}{4}$   $\frac{1}{4}$   $\frac{1}{4}$  of Section 8 Township 25N Range 3W N.M.P.M.
- b. Tract No. \_\_\_\_\_ of Map No. \_\_\_\_\_ of the \_\_\_\_\_
- c. Lot No. \_\_\_\_\_ of Block No. \_\_\_\_\_ of the \_\_\_\_\_  
Subdivision, recorded in \_\_\_\_\_ County.
- d. X= \_\_\_\_\_ feet, Y= \_\_\_\_\_ feet, N.M. Coordinate System \_\_\_\_\_ Zone in  
the \_\_\_\_\_ Grant.

(B) Drilling Contractor C. & G. Liquid Removers License No. WD-809

Address P. O. Box 663, Bloomfield, N. M. 87413

Drilling Began 11-28-80 Completed 12-15-80 Type tools Rotary Size of hole 7 7/8 in.

Elevation of land surface or 7,112 at well is \_\_\_\_\_ ft. Total depth of well 750 ft.

Completed well is  shallow  artesian. Depth to water upon completion of well 265 ft.

Section 2. PRINCIPAL WATER-BEARING STRATA

Depth in Feet		Thickness in Feet	Description of Water-Bearing Formation	Estimated Yield (gallons per minute)
From	To			
530	620	90	Grey & White Water Sand	150 gal per min

Section 3. RECORD OF CASING

Diameter (inches)	Pounds per foot	Threads per in.	Depth in Feet		Length (feet)	Type of Shoe	Perforations	
			Top	Bottom			From	To
6 5/8	61bs	Welded	24" above Ground	750'	752	Drive Shoe	530'	620'

Section 4. RECORD OF MUDDING AND CEMENTING

Depth in Feet		Hole Diameter	Sacks of Mud	Cubic Feet of Cement	Method of Placement
From	To				
0	750	7 7/8	46		Setting on Bottom & Gravel Packed

Section 5. PLUGGING RECORD

Plugging Contractor \_\_\_\_\_  
Address \_\_\_\_\_  
Plugging Method \_\_\_\_\_  
Date Well Plugged \_\_\_\_\_  
Plugging approved by: \_\_\_\_\_  
State Engineer Representative

No.	Depth in Feet		Cubic Feet of Cement
	Top	Bottom	
1			
2			
3			
4			

STATE ENGINEER OFFICE  
 ALBUQUERQUE, N. M.  
 82 JAN 21 11:24

FOR USE OF STATE ENGINEER ONLY

Date Received 01-21-82

Quad \_\_\_\_\_ FWL \_\_\_\_\_ FSL \_\_\_\_\_

File No. SJ-1305-T Use Livestock Location No. 25N.03W.08 313 (RA)





# New Mexico Office of the State Engineer

## Active & Inactive Points of Diversion

WR File Nbr	Sub basin	Use	Diversion (acre ft per annum)	Owner	County	POD Number	Well Tag	Code	Grant	Source	(R=POD has been replaced and no longer serves this file, C=the file is closed)				(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest)				(NAD83 UTM in meters)		Map
											q64	q16	q4	Sec	Tws	Range	X	Y			
<a href="#">SJ_02431</a>	SJ	DOM	28.800	SCHMITZ LAND CO., LLC	RA	<a href="#">SJ_02431</a>					SW	SW	SW	04	25N	03W	306509.0	4032770.0 *			

**Record Count:** 1

**Filters Applied:**

**POD Search:**

**Basin:** SJ  
**POD Nbr:** 02431  
**Subbasin:** SJ

**Sorted By:** File Number(basin, nbr, suffix)

\* UTM location was derived from PLSS - see Help

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

HC - 163016 - \$54.00

Revised December 1975

IMPORTANT - READ INSTRUCTIONS ON BACK BEFORE FILLING OUT THIS FORM.

228719

# Declaration of Owner of Underground Water Right

San Juan

BASIN NAME

Declaration No. SJ-2431

Date received December 9, 1992

### STATEMENT

- Name of Declarant Tony Schmitz  
Mailing Address HRC 74 Box 115 Lindrith NM  
County of Rio Arriba, State of New Mexico
- Source of water supply Shallow Water Aquifer  
(artesian or shallow water aquifer)
- Describe well location under one of the following subheadings:  
a. SW  $\frac{1}{4}$  SW  $\frac{1}{4}$  of Sec. 4 Twp. 25N Rge. 3W N.M.P.M. in Rio Arriba County.  
b. Tract No. \_\_\_\_\_ of Map No. \_\_\_\_\_ of the \_\_\_\_\_  
c. X = \_\_\_\_\_ feet. Y = \_\_\_\_\_ feet. N. M. Coordinate System \_\_\_\_\_ Zone \_\_\_\_\_ in the \_\_\_\_\_ Grant.  
On land owned by Declarant
- Description of well: date drilled 1957 driller Stevenson depth 315 feet.  
outside diameter of casing 6 1/2 inches; original capacity 15 gal. per min.; present capacity 15 gal. per min.; pumping lift 300 feet; static water level 255 feet (above) (below) land surface;  
make and type of pump 12' Windmill  
make, type, horsepower, etc., of power plant \_\_\_\_\_  
Fractional or percentage interest claimed in well 100%
- Quantity of water appropriated and beneficially used 24 Acre Feet Per Annum  
(acre feet per acre) (acre feet per annum)  
for Livestock, House Hold purposes.
- Acreage actually irrigated \_\_\_\_\_ acres, located and described as follows (describe only lands actually irrigated):

Subdivision	Sec.	Twp.	Range	Acres Irrigated	Owner

(Note: location of well and acreage actually irrigated must be shown on plot on reverse side.)

- Water was first applied to beneficial use \_\_\_\_\_ month \_\_\_\_\_ day \_\_\_\_\_ year and since that time has been used fully and continuously on all of the above described lands or for the above described purposes except as follows: \_\_\_\_\_
- Additional statements or explanations \_\_\_\_\_

I, TONY SCHMITZ being first duly sworn upon my oath, depose and say that the above is a full and complete statement prepared in accordance with the instructions on the reverse side of this form and submitted in evidence of ownership of a valid underground water right, that I have carefully read each and all of the items contained therein and that the same are true to the best of my knowledge and belief.

Tony Schmitz declarant.  
by: \_\_\_\_\_

Subscribed and sworn to before me this 19th day of OCTOBER, A.D. 1992  
My commission expires AUG. 10, 1996 Lottie M. Davis Notary Public

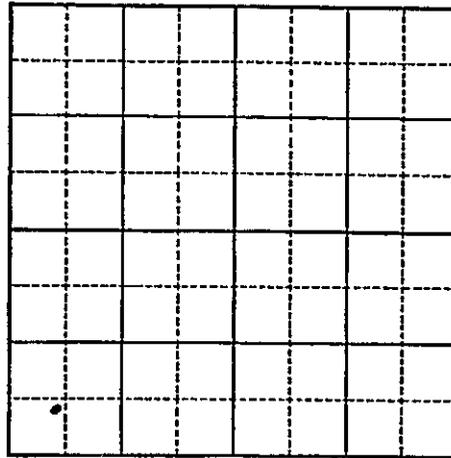
DEC 11 1992  
FIVE 100

92 DEC 9 P 1:29  
ABOUGARQUE N. MEX.

Notary Seal

Locate well and area actually irrigated as accurately as possible on following plat:

Section (s) 4, Township 25N, Range 3W, N. M. P. M.



INSTRUCTIONS

Declaration shall be executed (preferably typewritten) in triplicate and must be accompanied by a \$1.00 filing fee. Each of triplicate copies must be properly signed and attested.

A separate declaration must be filed for each well in use.

All blanks shall be filled out fully. Required information which cannot be sworn to by declarant shall be supplied by affidavit of person or persons familiar with the facts and shall be submitted herewith.

Secs. 1-3. Complete all blanks.

Sec. 4. Fill out all blanks applicable as fully as possible.

Sec. 5. Irrigation use shall be stated in acre feet of water per acre per year applied on the land. If used for domestic, municipal, or other purposes, state total quantity in acre feet used annually.

Sec. 6. Describe only the acreage actually irrigated. When necessary to clearly define irrigated acreages, describe to nearest 3/4 acre subdivision. If located on unsurveyed lands, describe by legal subdivision "as projected" from the nearest government survey corners, or describe by metes and bounds and tie survey to some permanent, easily-located natural object.

Sec. 7. Explain and give dates as nearly as possible of any years when all or part of acreage claimed was not irrigated.

Sec. 8. If well irrigates or supplies supplemental water to any other land than that described above, or if land is also irrigated from any other source, explain under this section. Give any other data necessary to fully describe water right.

If additional space is necessary, use a separate sheet or sheets and attach securely hereto.

92DEC 9

ALBUQUERQUE, N. M.  
COUNTY CLERK  
OFFICE





**STATE OF NEW MEXICO  
STATE ENGINEER OFFICE  
ALBUQUERQUE**

ELUID L. MARTINEZ  
STATE ENGINEER

DISTRICT 1  
3311 CANDELARIA, N.E. SUITE A  
ALBUQUERQUE, NM 87107

December 10, 1992

FILES: SJ-2427, SJ-2428, SJ-2429, SJ-2430, SJ-2431

Thomas Eppers  
HCR 31, Box 1139  
Roswell, NM 88201

Dear Mr. Eppers:

Enclosed are copies of Declarations of Owner of Underground Water Right for Tony Schmitz which have been accepted for filing. Under New Mexico law, a Declaration is only a statement of declarant's claim. Acceptance for filing does not constitute approval or rejection of the claim.

The 49 Declarations of Ownership of Livestock Water Dam or Tank in the name of Tony Schmitz will be forwarded to you under separate cover.

Very truly yours,

C. A. Wohlenberg  
(505) 841-9482

sjr  
Enclosures as stated  
cc: Santa Fe SEO

*See also:  
LWD 385 thru  
LWD 432*

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

General Information  
Phone: (505) 629-6116

Online Phone Directory  
<https://www.emnrd.nm.gov/oecd/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 469482

**CONDITIONS**

Operator: T-N-T ENVIRONMENTAL INC PO Box 2530 Farmington, NM 87499	OGRID: 22099
	Action Number: 469482
	Action Type: [C-137] SWMF Minor Modification (C-137A)

**CONDITIONS**

Created By	Condition	Condition Date
lbarr	TNT must meet the Table I closure criteria of 19.15.29.12 NMAC when comparing sampling results from the vadose zone for benzene, BTEX, chlorides, and TPH.	7/3/2025