



WALSH ENGINEERING & PRODUCTION CORP.

Petroleum Engineering Consulting
Lease Management
Contract Pumping

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November 25, 2024

New Mexico Oil Conservation Division (NMOCD)
Attn: Brad Jones, Environmental Specialist
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Re: Treatment Zone

T-N-T Environmental, Inc (OGRID 22099)

Permit NM 1-008

Location: SE/4 of Section 7 and SE/4 of Section 8 (3 evaporation ponds) and the SW/4 SE/4 and SE/4 NW/4 of Section 5 and NE/4 NW/4 of 8 (Landfarm), Township 25 North, Range 3 West, NMPM, Rio Arriba County, New Mexico

Mr. Jones,

On October 29, 2024, Walsh Engineering & Production on behalf of TNT Environmental took one random soil sample @ three (3) feet below the native ground surface in cells 1 through 14 shown on Exhibit 1. The analytical analysis table, sample map and the Envirotech analytical report are attached.

Please let me know if you have any questions.

Thank you,

Arleen Smith
Regulatory
Walsh Engineering & Production
505-215-6662
arleen@walsheng.net

Attached:

- Analytical Analysis Table – Exhibit 1
- Envirotech Analytical Report - Exhibit 2
- Sample Map - Exhibit 3

TNT LANDFARM		fEEM0112335451	VADOSE		CELL #1
Laboratory Analysis Results					
		1 st VZ Sampling April 30, 2024	2 nd VZ Sampling July 31, 2024	3 rd VZ Sampling Oct. 31, 2024	5-year VZ Monitoring
	REPORTING LIMIT	RESULTS	RESULTS	RESULTS	RESULTS
TPH 8015					
GRO		20.0	20.0	20.0	
DRO		25.0	25.0	25.0	
ORO		50.0	50.0	50.0	
TOTAL TPH	2,500 mg	95.0	95.0	95.0	
BTEX 8021B					
Benzene	10 mg/kg	0.0250	0.0250	0.0250	
Ethylbenzene		0.0250	0.0250	0.0250	
Toluene		0.0250	0.0250	0.0250	
Total Xylenes		0.0250	0.0250	0.0250	
Total BTEX	50 mg/kg	0.1	0.1	0.1	
Chloride		22.4			
METALS					
Arsenic				0.500	
Barium				78.0	
Cadmium				0.250	
Calcium				5320	
Chromium				9.78	
Copper				3.85	
Iron				9330	
Lead				1.84	
Magnesium				2270	
Manganese				253	
Mercury				0.250	
Potassium				957	
Selenium				1.25	
Silver				0.250	
Sodium				279	
Zinc				20.2	
ANIONS					
Fluoride				2.50	
Chloride				37.9	
Nitrite-N				2.50	
Nitrate-N				2.50	
o-Phosphate-P				2.50	
Sulfate				226	
ABBREVIATIONS					
mg/kg – milligrams/kilogram			GRO – Gasoline Range Organics		
mg/l – Milligrams per liter			DRO – Diesel Range Organics		
TPH – Total Petroleum Hydrocarbons			ORO – Oil Range Organics		
BTEX – Benzene, Toluene, Ethylbenzene, Xylenes					

TNT LANDFARM		fEEM0112335451		VADOSE	CELL #2
Laboratory Analysis Results					
		1 st VZ Sampling April 30, 2024	2 nd VZ Sampling July 31, 2024	3 rd VZ Sampling Oct. 31, 2024	5-year VZ Monitoring
	REPORTING LIMIT	RESULTS	RESULTS	RESULTS	RESULTS
TPH 8015					
GRO		20.0	20.0	20.0	
DRO		25.0	25.0	25.0	
ORO		50.0	50.0	50.0	
TOTAL TPH	2,500 mg	95.0	95.0	95.0	
BTEX 8021B					
Benzene	10 mg/kg	0.0250	0.0250	0.0250	
Ethylbenzene		0.0250	0.0250	0.0250	
Toluene		0.0250	0.0250	0.0250	
Total Xylenes		0.0250	0.0250	0.0250	
Total BTEX	50 mg/kg	0.1	0.1	0.1	
Chloride		20.0			
METALS					
Arsenic				0.500	
Barium				75.6	
Cadmium				0.250	
Calcium				5460	
Chromium				10.1	
Copper				3.78	
Iron				9100	
Lead				1.94	
Magnesium				2210	
Manganese				307	
Mercury				0.250	
Potassium				818	
Selenium				1.25	
Silver				0.250	
Sodium				212	
Zinc				19.5	
ANIONS					
Fluoride				2.50	
Chloride				20.0	
Nitrite-N				2.50	
Nitrate-N				2.50	
o-Phosphate-P				2.50	
Sulfate				145	
ABBREVIATIONS					
mg/kg – milligrams/kilogram			GRO – Gasoline Range Organics		
mg/l – Milligrams per liter			DRO – Diesel Range Organics		
TPH – Total Petroleum Hydrocarbons			ORO – Oil Range Organics		
BTEX – Benzene, Toluene, Ethylbenzene, Xylenes					

TNT LANDFARM		fEEM0112335451		VADOSE	CELL #3
Laboratory Analysis Results					
		1 st VZ Sampling April 30, 2024	2 nd VZ Sampling July 31, 2024	3 rd VZ Sampling Oct.31, 2024	5-year VZ Monitoring
	REPORTING LIMIT	RESULTS	RESULTS	RESULTS	RESULTS
TPH 8015					
GRO		20.0	20.0	20.0	
DRO		25.0	25.0	25.0	
ORO		50.0	50.0	50.0	
TOTAL TPH	2,500 mg	95.0	95.0	95.0	
BTEX 8021B					
Benzene	10 mg/kg	0.0250	0.0250	0.0250	
Ethylbenzene		0.0250	0.0250	0.0250	
Toluene		0.0250	0.0250	0.0250	
Total Xylenes		0.0250	0.0250	0.0250	
Total BTEX	50 mg/kg	0.1	0.1	0.1	
Chloride		28.4			
METALS					
Arsenic				0.500	
Barium				94.0	
Cadmium				0.250	
Calcium				8290	
Chromium				17.6	
Copper				8.80	
Iron				15600	
Lead				2.84	
Magnesium				4240	
Manganese				461	
Mercury				0.250	
Potassium				1920	
Selenium				1.25	
Silver				0.250	
Sodium				163	
Zinc				37.8	
ANIONS					
Fluoride				12.4	
Chloride				26.9	
Nitrite-N				2.50	
Nitrate-N				2.50	
o-Phosphate-P				2.50	
Sulfate				22.0	
ABBREVIATIONS					
mg/kg – milligrams/kilogram mg/l – Milligrams per liter TPH – Total Petroleum Hydrocarbons BTEX – Benzene, Toluene, Ethylbenzene, Xylenes			GRO – Gasoline Range Organics DRO – Diesel Range Organics ORO – Oil Range Organics		

TNT LANDFARM		fEEM0112335451		VADOSE	CELL #4
Laboratory Analysis Results					
		1 st VZ Sampling April 30, 2024	2 nd VZ Sampling July 31, 2024	3 rd VZ Sampling Oct.31, 2024	5-year VZ Monitoring
	REPORTING LIMIT	RESULTS	RESULTS	RESULTS	RESULTS
TPH 8015					
GRO		20.0	20.0	20.0	
DRO		25.0	25.0	25.0	
ORO		50.0	50.0	50.0	
TOTAL TPH	2,500 mg	95.0	95.0	95.0	
BTEX 8021B					
Benzene	10 mg/kg	0.0250	0.0250	0.0250	
Ethylbenzene		0.0250	0.0250	0.0250	
Toluene		0.0250	0.0250	0.0250	
Total Xylenes		0.0250	0.0250	0.0250	
Total BTEX	50 mg/kg	0.1	0.1	0.1	
Chloride		70.1			
METALS					
Arsenic				0.500	
Barium				53.4	
Cadmium				0.250	
Calcium				3150	
Chromium				9.16	
Iron				8680	
Lead				1.82	
Magnesium				1950	
Manganese				246	
Mercury				0.250	
Potassium				760	
Selenium				1.25	
Silver				0.250	
Sodium				175	
Zinc				17.2	
ANIONS					
Fluoride				2.50	
Chloride				20.0	
Nitrite-N				2.50	
Nitrate-N				2.50	
o-Phosphate-P				2.50	
Sulfate				20.0	
ABBREVIATIONS					
mg/kg – milligrams/kilogram			GRO – Gasoline Range Organics		
mg/l – Milligrams per liter			DRO – Diesel Range Organics		
TPH – Total Petroleum Hydrocarbons			ORO – Oil Range Organics		
BTEX – Benzene, Toluene, Ethylbenzene, Xylenes					

TNT LANDFARM		fEEM0112335451		VADOSE	CELL #5
Laboratory Analysis Results					
		1 st VZ Sampling April 30, 2024	2 nd VZ Sampling July 31, 2024	3 rd VZ Sampling Oct.31, 2024	5-year VZ Monitoring
	REPORTING LIMIT	RESULTS	RESULTS	RESULTS	RESULTS
TPH 8015					
GRO		20.0	20.0	20.0	
DRO		25.0	25.0	25.0	
ORO		50.0	50.0	50.0	
TOTAL TPH	2,500 mg	95.0	95.0	95.0	
BTEX 8021B					
Benzene	10 mg/kg	0.0250	0.0250	0.0250	
Ethylbenzene		0.0250	0.0250	0.0250	
Toluene		0.0250	0.0250	0.0250	
Total Xylenes		0.0250	0.0250	0.0250	
Total BTEX	50 mg/kg	0.1	0.1	0.1	
Chloride		34.3			
METALS					
Arsenic				0.500	
Barium				77.3	
Cadmium				0.250	
Calcium				4370	
Chromium				14.5	
Copper				7.33	
Iron				13300	
Lead				2.54	
Magnesium				3540	
Manganese				407	
Mercury				0.250	
Potassium				1750	
Selenium				1.25	
Silver				0.250	
Sodium				213	
Zinc				31.9	
ANIONS					
Fluoride				6.16	
Chloride				49.1	
Nitrite-N				2.50	
Nitrate-N				24.4	
o-Phosphate-P				2.50	
Sulfate				74.9	
ABBREVIATIONS					
mg/kg – milligrams/kilogram mg/l – Milligrams per liter TPH – Total Petroleum Hydrocarbons BTEX – Benzene, Toluene, Ethylbenzene, Xylenes			GRO – Gasoline Range Organics DRO – Diesel Range Organics ORO – Oil Range Organics		

TNT LANDFARM		fEEM0112335451		VADOSE	CELL #6
Laboratory Analysis Results					
		1 st VZ Sampling April 30, 2024	2 nd VZ Sampling July 31, 2024	3 rd VZ Sampling Oct.31, 2024	5-year VZ Monitoring
	REPORTING LIMIT	RESULTS	RESULTS	RESULTS	RESULTS
TPH 8015					
GRO		20.0	20.0	20.0	
DRO		25.0	25.0	25.0	
ORO		50.0	50.0	50.0	
TOTAL TPH	2,500 mg	95.0	95.0	95.0	
BTEX 8021B					
Benzene	10 mg/kg	0.0250	0.0250	0.0250	
Ethylbenzene		0.0250	0.0250	0.0250	
Toluene		0.0250	0.0250	0.0250	
Total Xylenes		0.0250	0.0250	0.0250	
Total BTEX	50 mg/kg	0.1	0.1	0.1	
Chloride		29.1			
METALS					
Arsenic				0.500	
Barium				43.6	
Cadmium				0.250	
Calcium				1780	
Chromium				4.85	
Copper				1.75	
Iron				5070	
Lead				1.14	
Magnesium				1010	
Manganese				135	
Mercury				0.250	
Potassium				310	
Selenium				1.25	
Silver				0.250	
Sodium				207	
Zinc				9.27	
ANIONS					
Fluoride				2.50	
Chloride				20.0	
Nitrite-N				2.50	
Nitrate-N				2.50	
o-Phosphate-P				2.50	
Sulfate				21.7	

ABBREVIATIONS

mg/kg – milligrams/kilogram
 mg/l – Milligrams per liter
 TPH – Total Petroleum Hydrocarbons
 BTEX – Benzene, Toluene, Ethylbenzene, Xylenes

GRO – Gasoline Range Organics
 DRO – Diesel Range Organics
 ORO – Oil Range Organics

TNT LANDFARM		fEEM0112335451		VADOSE	CELL #7
Laboratory Analysis Results					
		1 st VZ Sampling April 30, 2024	2 nd VZ Sampling July 31, 2024	3 rd VZ Sampling Oct.31, 2024	5-year VZ Monitoring
	REPORTING LIMIT	RESULTS	RESULTS	RESULTS	RESULTS
TPH 8015					
GRO		20.0	20.0	20.0	
DRO		25.0	25.0	25.0	
ORO		50.0	50.0	50.0	
TOTAL TPH	2,500 mg	95.0	95.0	95.0	
BTEX 8021B					
Benzene	10 mg/kg	0.0250	0.0250	0.0250	
Ethylbenzene		0.0250	0.0250	0.0250	
Toluene		0.0250	0.0250	0.0250	
Total Xylenes		0.0250	0.0250	0.0250	
Total BTEX	50 mg/kg	0.1	0.1	0.1	
Chloride		305			
METALS					
Arsenic				0.500	
Barium				125	
Cadmium				0.250	
Calcium				5310	
Chromium				23.9	
Copper				13.0	
Iron				36100	
Lead				3.24	
Magnesium				10100	
Manganese				588	
Mercury				0.250	
Potassium				4310	
Selenium				1.37	
Silver				0.250	
Sodium				362	
Zinc				54.9	
ANIONS					
Fluoride				18.6	
Chloride				245	
Nitrite-N				2.50	
Nitrate-N				7.09	
o-Phosphate-P				2.50	
Sulfate				173	
ABBREVIATIONS					
mg/kg – milligrams/kilogram mg/l – Milligrams per liter TPH – Total Petroleum Hydrocarbons BTEX – Benzene, Toluene, Ethylbenzene, Xylenes			GRO – Gasoline Range Organics DRO – Diesel Range Organics ORO – Oil Range Organics		

TNT LANDFARM		fEEM0112335451		VADOSE	CELL #8
Laboratory Analysis Results					
		1 st VZ Sampling April 30, 2024	2 nd VZ Sampling July 31, 2024	3 rd VZ Sampling Oct.31, 2024	5-year VZ Monitoring
	REPORTING LIMIT	RESULTS	RESULTS	RESULTS	RESULTS
TPH 8015					
GRO		20.0	20.0	20.0	
DRO		25.0	25.0	25.0	
ORO		50.0	50.0	50.0	
TOTAL TPH	2,500 mg	95.0	95.0	95.0	
BTEX 8021B					
Benzene	10 mg/kg	0.0250	0.0250	0.0250	
Ethylbenzene		0.0250	0.0250	0.0250	
Toluene		0.0250	0.0250	0.0250	
Total Xylenes		0.0250	0.0250	0.0250	
Total BTEX	50 mg/kg	0.1	0.1	0.1	
Chloride		288			
METALS					
Arsenic				0.500	
Barium				142	
Cadmium				0.250	
Calcium				14300	
Chromium				20.0	
Copper				9.79	
Iron				16700	
Lead				2.93	
Magnesium				7780	
Manganese				385	
Mercury				0.250	
Potassium				3300	
Selenium				1.25	
Silver				0.250	
Sodium				208	
Zinc				45.7	
ANIONS					
Fluoride				13.5	
Chloride				51.4	
Nitrite-N				2.50	
Nitrate-N				18.3	
o-Phosphate-P				2.50	
Sulfate				27.5	
ABBREVIATIONS					
mg/kg – milligrams/kilogram			GRO – Gasoline Range Organics		
mg/l – Milligrams per liter			DRO – Diesel Range Organics		
TPH – Total Petroleum Hydrocarbons			ORO – Oil Range Organics		
BTEX – Benzene, Toluene, Ethylbenzene, Xylenes					

TNT LANDFARM		fEEM0112335451		VADOSE	CELL #9
Laboratory Analysis Results					
		1 st VZ Sampling April 30, 2024	2 nd VZ Sampling July 31, 2024	3 rd VZ Sampling Oct.31, 2024	5-year VZ Monitoring
	REPORTING LIMIT	RESULTS	RESULTS	RESULTS	RESULTS
TPH 8015					
GRO		20.0	20.0	20.0	
DRO		25.0	25.0	25.0	
ORO		50.0	50.0	50.0	
TOTAL TPH	2,500 mg	95.0	95.0	95.0	
BTEX 8021B					
Benzene	10 mg/kg	0.0250	0.0250	0.0250	
Ethylbenzene		0.0250	0.0250	0.0250	
Toluene		0.0250	0.0250	0.0250	
Total Xylenes		0.0250	0.0250	0.0250	
Total BTEX	50 mg/kg	0.1	0.1	0.1	
Chloride		24.1			
METALS					
Arsenic				0.500	
Barium				92.4	
Cadmium				0.250	
Calcium				8040	
Chromium				15.9	
Copper				8.12	
Iron				13800	
Lead				2.44	
Magnesium				3830	
Manganese				319	
Mercury				0.250	
Potassium				2560	
Selenium				1.25	
Silver				0.250	
Sodium				418	
Zinc				36.4	
ANIONS					
Fluoride				11.6	
Chloride				20.0	
Nitrite-N				2.50	
Nitrate-N				2.50	
o-Phosphate-P				2.50	
Sulfate				237	
ABBREVIATIONS					
mg/kg – milligrams/kilogram			GRO – Gasoline Range Organics		
mg/l – Milligrams per liter			DRO – Diesel Range Organics		
TPH – Total Petroleum Hydrocarbons			ORO – Oil Range Organics		
BTEX – Benzene, Toluene, Ethylbenzene, Xylenes					

TNT LANDFARM		FEEM0112335451		VADOSE	CELL #10
Laboratory Analysis Results					
		1 st VZ Sampling April 30, 2024	2 nd VZ Sampling July 31, 2024	3 rd VZ Sampling Oct.31, 2024	5-year VZ Monitoring
	REPORTING LIMIT	RESULTS	RESULTS	RESULTS	RESULTS
TPH 8015					
GRO		20.0	20.0	20.0	
DRO		25.0	25.0	25.0	
ORO		50.0	50.0	50.0	
TOTAL TPH	2,500 mg	95.0	95.0	95.0	
BTEX 8021B					
Benzene	10 mg/kg	0.0250	0.0250	0.0250	
Ethylbenzene		0.0250	0.0250	0.0250	
Toluene		0.0250	0.0250	0.0250	
Total Xylenes		0.0250	0.0250	0.0250	
Total BTEX	50 mg/kg	0.1	0.1	0.1	
Chloride		20.0			
METALS					
Arsenic				0.500	
Barium				53.5	
Cadmium				0.250	
Calcium				3010	
Chromium				5.74	
Copper				1.46	
Iron				5450	
Lead				1.15	
Magnesium				1340	
Manganese				170	
Mercury				0.250	
Potassium				458	
Selenium				1.25	
Silver				0.250	
Sodium				145	
Zinc				10.1	
ANIONS					
Fluoride				2.50	
Chloride				45.5	
Nitrite-N				2.50	
Nitrate-N				2.50	
o-Phosphate-P				2.50	
Sulfate				67.0	
ABBREVIATIONS					
mg/kg – milligrams/kilogram			GRO – Gasoline Range Organics		
mg/l – Milligrams per liter			DRO – Diesel Range Organics		
TPH – Total Petroleum Hydrocarbons			ORO – Oil Range Organics		
BTEX – Benzene, Toluene, Ethylbenzene, Xylenes					

TNT LANDFARM		fEEM0112335451		VADOSE	CELL #11
Laboratory Analysis Results					
		1 st VZ Sampling April 30, 2024	2 nd VZ Sampling July 31, 2024	3 rd VZ Sampling Oct.31, 2024	5-year VZ Monitoring
	REPORTING LIMIT	RESULTS	RESULTS	RESULTS	RESULTS
TPH 8015					
GRO		20.0	20.0	20.0	
DRO		25.0	25.0	25.0	
ORO		50.0	50.0	50.0	
TOTAL TPH	2,500 mg	95.0	95.0	95.0	
BTEX 8021B					
Benzene	10 mg/kg	0.0250	0.0250	0.0250	
Ethylbenzene		0.0250	0.0250	0.0250	
Toluene		0.0250	0.0250	0.0250	
Total Xylenes		0.0250	0.0250	0.0250	
Total BTEX	50 mg/kg	0.1	0.1	0.1	
Chloride		419			
METALS					
Arsenic				0.500	
Barium				116	
Cadmium				0.250	
Calcium				6670	
Chromium				19.5	
Copper				8.30	
Iron				26700	
Lead				3.29	
Magnesium				7130	
Manganese				480	
Mercury				0.250	
Potassium				3330	
Selenium				1.25	
Silver				0.250	
Sodium				635	
Zinc				42.9	
ANIONS					
Fluoride				8.10	
Chloride				73.4	
Nitrite-N				2.50	
Nitrate-N				2.50	
o-Phosphate-P				2.50	
Sulfate				125	
ABBREVIATIONS					
mg/kg – milligrams/kilogram mg/l – Milligrams per liter TPH – Total Petroleum Hydrocarbons BTEX – Benzene, Toluene, Ethylbenzene, Xylenes			GRO – Gasoline Range Organics DRO – Diesel Range Organics ORO – Oil Range Organics		

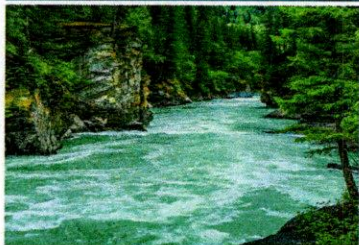
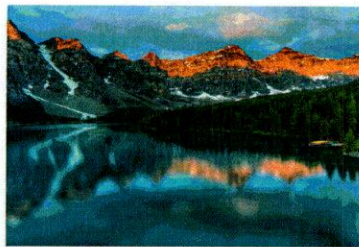
TNT LANDFARM		fEEM0112335451		VADOSE	CELL #12
Laboratory Analysis Results					
		1 st VZ Sampling April 30, 2024	2 nd VZ Sampling July 31, 2024	3 rd VZ Sampling Oct.31, 2024	5-year VZ Monitoring
	REPORTING LIMIT	RESULTS	RESULTS	RESULTS	RESULTS
TPH 8015					
GRO		20.0	20.0	20.0	
DRO		25.0	25.0	25.0	
ORO		50.0	50.0	50.0	
TOTAL TPH	2,500 mg	95.0	95.0	95.0	
BTEX 8021B					
Benzene	10 mg/kg	0.0250	0.0250	0.0250	
Ethylbenzene		0.0250	0.0250	0.0250	
Toluene		0.0250	0.0250	0.0250	
Total Xylenes		0.0250	0.0250	0.0250	
Total BTEX	50 mg/kg	0.1	0.1	0.1	
Chloride		90.8			
METALS					
Arsenic				0.500	
Barium				149	
Cadmium				0.250	
Calcium				4370	
Chromium				19.9	
Copper				8.30	
Iron				16400	
Lead				3.15	
Magnesium				7350	
Manganese				410	
Mercury				0.250	
Potassium				4780	
Selenium				1.25	
Silver				0.250	
Sodium				651	
Zinc				48.3	
ANIONS					
Fluoride				26.5	
Chloride				145	
Nitrite-N				2.50	
Nitrate-N				2.50	
o-Phosphate-P				2.50	
Sulfate				317	
ABBREVIATIONS					
mg/kg – milligrams/kilogram mg/l – Milligrams per liter TPH – Total Petroleum Hydrocarbons BTEX – Benzene, Toluene, Ethylbenzene, Xylenes			GRO – Gasoline Range Organics DRO – Diesel Range Organics ORO – Oil Range Organics		

TNT LANDFARM		fEEM0112335451		VADOSE	CELL #13
Laboratory Analysis Results					
		1 st VZ Sampling April 30, 2024	2 nd VZ Sampling July 31, 2024	3 rd VZ Sampling Oct.31, 2024	5-year VZ Monitoring
	REPORTING LIMIT	RESULTS	RESULTS	RESULTS	RESULTS
TPH 8015					
GRO		20.0	20.0	20.0	
DRO		25.0	25.0	25.0	
ORO		50.0	50.0	50.0	
TOTAL TPH	2,500 mg	95.0	95.0	95.0	
BTEX 8021B					
Benzene	10 mg/kg	0.0250	0.0250	0.0250	
Ethylbenzene		0.0250	0.0250	0.0250	
Toluene		0.0250	0.0250	0.0250	
Total Xylenes		0.0250	0.0250	0.0250	
Total BTEX	50 mg/kg	0.1	0.1	0.1	
Chloride		90.8			
METALS					
Arsenic				0.500	
Barium				80.0	
Cadmium				0.250	
Calcium				18200	
Chromium				15.5	
Copper				18.6	
Iron				15200	
Lead				3.17	
Magnesium				3250	
Manganese				372	
Mercury				0.250	
Potassium				2420	
Selenium				1.25	
Silver				0.250	
Sodium				231	
Zinc				36.0	
ANIONS					
Fluoride				3.01	
Chloride				20.0	
Nitrite-N				2.50	
Nitrate-N				2.50	
o-Phosphate-P				2.50	
Sulfate				20.0	
ABBREVIATIONS					
mg/kg – milligrams/kilogram			GRO – Gasoline Range Organics		
mg/l – Milligrams per liter			DRO – Diesel Range Organics		
TPH – Total Petroleum Hydrocarbons			ORO – Oil Range Organics		
BTEX – Benzene, Toluene, Ethylbenzene, Xylenes					

TNT LANDFARM		FEEM0112335451		VADOSE	CELL #14
Laboratory Analysis Results					
		1 st VZ Sampling April 30, 2024	2 nd VZ Sampling July 31, 2024	3 rd VZ Sampling Oct.31, 2024	5-year VZ Monitoring
	REPORTING LIMIT	RESULTS	RESULTS	RESULTS	RESULTS
TPH 8015					
GRO		20.0	20.0	20.0	
DRO		25.0	25.0	25.0	
ORO		50.0	50.0	50.0	
TOTAL TPH	2,500 mg	95.0	95.0	95.0	
BTEX 8021B					
Benzene	10 mg/kg	0.0250	0.0250	0.0250	
Ethylbenzene		0.0250	0.0250	0.0250	
Toluene		0.0250	0.0250	0.0250	
Total Xylenes		0.0250	0.0250	0.0250	
Total BTEX	50 mg/kg	0.1	0.1	0.1	
Chloride		69.4			
METALS					
Arsenic				0.500	
Barium				79.1	
Cadmium				0.250	
Calcium				7010	
Chromium				13.2	
Copper				6.02	
Iron				12000	
Lead				2.33	
Magnesium				2980	
Manganese				368	
Mercury				0.250	
Potassium				1480	
Selenium				1.25	
Silver				0.250	
Sodium				281	
Zinc				28.0	
ANIONS					
Fluoride				4.61	
Chloride				22.9	
Nitrite-N				2.50	
Nitrate-N				2.50	
o-Phosphate-P				2.50	
Sulfate				141	
ABBREVIATIONS					
mg/kg – milligrams/kilogram			GRO – Gasoline Range Organics		
mg/l – Milligrams per liter			DRO – Diesel Range Organics		
TPH – Total Petroleum Hydrocarbons			ORO – Oil Range Organics		
BTEX – Benzene, Toluene, Ethylbenzene, Xylenes					

Exhibit 2

Report to:
Clay Green



5796 U.S. Hwy 64
Farmington, NM 87401

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



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

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,

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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 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

Sample Summary

TNT Environmental	Project Name:	TNT Landfarm 3rd Vadose	Reported:
PO Box 2530	Project Number:	17009-0001	
Farmington NM, 87499	Project Manager:	Clay Green	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 Vdose	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	Project Name:	TNT Landfarm 3rd Vadose	Reported:
PO Box 2530	Project Number:	17009-0001	11/7/2024 12:55:08PM
Farmington NM, 87499	Project Manager:	Clay Green	

Cell 1 Vadose

E410367-01

Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	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	
Surrogate: Bromofluorobenzene	99.1 %	70-130		10/31/24	11/04/24	
Surrogate: 1,2-Dichloroethane-d4	96.9 %	70-130		10/31/24	11/04/24	
Surrogate: Toluene-d8	104 %	70-130		10/31/24	11/04/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2444128
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/31/24	11/04/24	
Surrogate: Bromofluorobenzene	99.1 %	70-130		10/31/24	11/04/24	
Surrogate: 1,2-Dichloroethane-d4	96.9 %	70-130		10/31/24	11/04/24	
Surrogate: Toluene-d8	104 %	70-130		10/31/24	11/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Surrogate: n-Nonane	103 %	50-200		10/31/24	11/05/24	
Total Metals by EPA 6010C						
	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	Reported: 11/7/2024 12:55:08PM
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Cell 1 Vadose

E410367-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: DT		Batch: 2445020
Fluoride	ND	2.50	1	11/04/24	11/04/24	
Chloride	37.9	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	226	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	Reported: 11/7/2024 12:55:08PM
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Cell 2 Vadose

E410367-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	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	
Surrogate: Bromofluorobenzene	98.4 %	70-130		10/31/24	11/04/24	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		10/31/24	11/04/24	
Surrogate: Toluene-d8	105 %	70-130		10/31/24	11/04/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2444128
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/31/24	11/04/24	
Surrogate: Bromofluorobenzene	98.4 %	70-130		10/31/24	11/04/24	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		10/31/24	11/04/24	
Surrogate: Toluene-d8	105 %	70-130		10/31/24	11/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Surrogate: n-Nonane	113 %	50-200		10/31/24	11/05/24	
Total Metals by EPA 6010C						
	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	Project Name:	TNT Landfarm 3rd Vadose	
PO Box 2530	Project Number:	17009-0001	Reported:
Farmington NM, 87499	Project Manager:	Clay Green	11/7/2024 12:55:08PM

Cell 2 Vadose**E410367-02**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	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	145	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	Reported: 11/7/2024 12:55:08PM
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Cell 3 Vadose

E410367-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	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	
Surrogate: Bromofluorobenzene		101 %	70-130	10/31/24	11/04/24	
Surrogate: 1,2-Dichloroethane-d4		97.0 %	70-130	10/31/24	11/04/24	
Surrogate: Toluene-d8		105 %	70-130	10/31/24	11/04/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2444128
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/31/24	11/04/24	
Surrogate: Bromofluorobenzene		101 %	70-130	10/31/24	11/04/24	
Surrogate: 1,2-Dichloroethane-d4		97.0 %	70-130	10/31/24	11/04/24	
Surrogate: Toluene-d8		105 %	70-130	10/31/24	11/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Surrogate: n-Nonane		113 %	50-200	10/31/24	11/05/24	
Total Metals by EPA 6010C						
	mg/kg	mg/kg		Analyst: LS		Batch: 2444133
Arsenic	ND	0.500	1	10/31/24	11/01/24	
Barium	94.0	6.25	1	10/31/24	11/01/24	
Cadmium	ND	0.250	1	10/31/24	11/01/24	
Calcium	8290	25.0	1	10/31/24	11/01/24	
Chromium	17.6	0.500	1	10/31/24	11/01/24	
Copper	8.80	0.500	1	10/31/24	11/01/24	
Iron	15600	50.0	1	10/31/24	11/01/24	
Lead	2.84	0.250	1	10/31/24	11/01/24	
Magnesium	4240	25.0	1	10/31/24	11/01/24	
Manganese	461	5.00	20	10/31/24	11/04/24	
Mercury	ND	0.250	1	10/31/24	11/01/24	
Potassium	1920	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	163	50.0	1	10/31/24	11/01/24	
Zinc	37.8	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	Reported: 11/7/2024 12:55:08PM
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Cell 3 Vadose**E410367-03**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2445020	
Fluoride	12.4	2.50	1	11/04/24	11/04/24	
Chloride	26.9	20.0	1	11/04/24	11/04/24	
Nitrite-N	ND	2.50	1	11/04/24	11/04/24	
Nitrate-N	5.12	2.50	1	11/04/24	11/04/24	
o-Phosphate-P	ND	2.50	1	11/04/24	11/04/24	
Sulfate	22.0	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	Reported: 11/7/2024 12:55:08PM
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Cell 4 Vadose

E410367-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	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	
Surrogate: Bromofluorobenzene		100 %	70-130	10/31/24	11/04/24	
Surrogate: 1,2-Dichloroethane-d4		96.3 %	70-130	10/31/24	11/04/24	
Surrogate: Toluene-d8		106 %	70-130	10/31/24	11/04/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2444128
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/31/24	11/04/24	
Surrogate: Bromofluorobenzene		100 %	70-130	10/31/24	11/04/24	
Surrogate: 1,2-Dichloroethane-d4		96.3 %	70-130	10/31/24	11/04/24	
Surrogate: Toluene-d8		106 %	70-130	10/31/24	11/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Surrogate: n-Nonane		103 %	50-200	10/31/24	11/05/24	
Total Metals by EPA 6010C						
	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	Project Name:	TNT Landfarm 3rd Vadose	
PO Box 2530	Project Number:	17009-0001	Reported:
Farmington NM, 87499	Project Manager:	Clay Green	11/7/2024 12:55:08PM

Cell 4 Vadose**E410367-04**

Analyte	Reporting		Dilution	Prepared	Analyzed	Notes
	Result	Limit				
Anions by EPA 300.0/9056A	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

Reported:
11/7/2024 12:55:08PM

Cell 5 Vadose

E410367-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	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	
Surrogate: Bromofluorobenzene	101 %	70-130		10/31/24	11/04/24	
Surrogate: 1,2-Dichloroethane-d4	94.3 %	70-130		10/31/24	11/04/24	
Surrogate: Toluene-d8	104 %	70-130		10/31/24	11/04/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2444128
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/31/24	11/04/24	
Surrogate: Bromofluorobenzene	101 %	70-130		10/31/24	11/04/24	
Surrogate: 1,2-Dichloroethane-d4	94.3 %	70-130		10/31/24	11/04/24	
Surrogate: Toluene-d8	104 %	70-130		10/31/24	11/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Surrogate: n-Nonane	107 %	50-200		10/31/24	11/05/24	
Total Metals by EPA 6010C						
	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	Reported: 11/7/2024 12:55:08PM
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Cell 5 Vadose

E410367-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2445020
Fluoride	6.16	2.50	1	11/04/24	11/04/24	
Chloride	49.1	20.0	1	11/04/24	11/04/24	
Nitrite-N	ND	2.50	1	11/04/24	11/04/24	
Nitrate-N	24.4	2.50	1	11/04/24	11/04/24	
o-Phosphate-P	ND	2.50	1	11/04/24	11/04/24	
Sulfate	74.9	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	Reported: 11/7/2024 12:55:08PM
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Cell 6 Vadose

E410367-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	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	
Surrogate: Bromofluorobenzene		101 %	70-130	10/31/24	11/04/24	
Surrogate: 1,2-Dichloroethane-d4		93.6 %	70-130	10/31/24	11/04/24	
Surrogate: Toluene-d8		103 %	70-130	10/31/24	11/04/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2444128
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/31/24	11/04/24	
Surrogate: Bromofluorobenzene		101 %	70-130	10/31/24	11/04/24	
Surrogate: 1,2-Dichloroethane-d4		93.6 %	70-130	10/31/24	11/04/24	
Surrogate: Toluene-d8		103 %	70-130	10/31/24	11/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Surrogate: n-Nonane		110 %	50-200	10/31/24	11/05/24	
Total Metals by EPA 6010C						
	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	Project Name:	TNT Landfarm 3rd Vadose	
PO Box 2530	Project Number:	17009-0001	Reported:
Farmington NM, 87499	Project Manager:	Clay Green	11/7/2024 12:55:08PM

Cell 6 Vadose

E410367-06

Analyte	Reporting					Notes
	Result	Limit	Dilution	Prepared	Analyzed	
Anions by EPA 300.0/9056A	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	21.7	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	Reported: 11/7/2024 12:55:08PM
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Cell 7 Vadose

E410367-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	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	
Surrogate: Bromofluorobenzene	99.9 %	70-130		10/31/24	11/04/24	
Surrogate: 1,2-Dichloroethane-d4	92.5 %	70-130		10/31/24	11/04/24	
Surrogate: Toluene-d8	103 %	70-130		10/31/24	11/04/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2444128
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/31/24	11/04/24	
Surrogate: Bromofluorobenzene	99.9 %	70-130		10/31/24	11/04/24	
Surrogate: 1,2-Dichloroethane-d4	92.5 %	70-130		10/31/24	11/04/24	
Surrogate: Toluene-d8	103 %	70-130		10/31/24	11/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Surrogate: n-Nonane	109 %	50-200		10/31/24	11/05/24	
Total Metals by EPA 6010C						
	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	Project Name:	TNT Landfarm 3rd Vadose	
PO Box 2530	Project Number:	17009-0001	Reported:
Farmington NM, 87499	Project Manager:	Clay Green	11/7/2024 12:55:08PM

Cell 7 Vadose

E410367-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2445020
Fluoride	18.6	2.50	1	11/04/24	11/04/24	
Chloride	245	20.0	1	11/04/24	11/04/24	
Nitrite-N	ND	2.50	1	11/04/24	11/04/24	
Nitrate-N	7.09	2.50	1	11/04/24	11/04/24	
o-Phosphate-P	ND	2.50	1	11/04/24	11/04/24	
Sulfate	173	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	Reported: 11/7/2024 12:55:08PM
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Cell 8 Vdose

E410367-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	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	
Surrogate: Bromofluorobenzene	99.5 %	70-130		10/31/24	11/04/24	
Surrogate: 1,2-Dichloroethane-d4	98.0 %	70-130		10/31/24	11/04/24	
Surrogate: Toluene-d8	103 %	70-130		10/31/24	11/04/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2444128
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/31/24	11/04/24	
Surrogate: Bromofluorobenzene	99.5 %	70-130		10/31/24	11/04/24	
Surrogate: 1,2-Dichloroethane-d4	98.0 %	70-130		10/31/24	11/04/24	
Surrogate: Toluene-d8	103 %	70-130		10/31/24	11/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Surrogate: n-Nonane	116 %	50-200		10/31/24	11/05/24	
Total Metals by EPA 6010C						
	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	Project Name:	TNT Landfarm 3rd Vadose	
PO Box 2530	Project Number:	17009-0001	Reported:
Farmington NM, 87499	Project Manager:	Clay Green	11/7/2024 12:55:08PM

Cell 8 Vdose

E410367-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	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	Reported: 11/7/2024 12:55:08PM
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Cell 9 Vadose

E410367-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	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	
Surrogate: Bromofluorobenzene	99.4 %	70-130		10/31/24	11/04/24	
Surrogate: 1,2-Dichloroethane-d4	97.5 %	70-130		10/31/24	11/04/24	
Surrogate: Toluene-d8	106 %	70-130		10/31/24	11/04/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2444128
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/31/24	11/04/24	
Surrogate: Bromofluorobenzene	99.4 %	70-130		10/31/24	11/04/24	
Surrogate: 1,2-Dichloroethane-d4	97.5 %	70-130		10/31/24	11/04/24	
Surrogate: Toluene-d8	106 %	70-130		10/31/24	11/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Surrogate: n-Nonane	119 %	50-200		10/31/24	11/05/24	
Total Metals by EPA 6010C						
	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	Project Name:	TNT Landfarm 3rd Vadose	
PO Box 2530	Project Number:	17009-0001	Reported:
Farmington NM, 87499	Project Manager:	Clay Green	11/7/2024 12:55:08PM

Cell 9 Vadose

E410367-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	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	Project Name:	TNT Landfarm 3rd Vadose	Reported:
PO Box 2530	Project Number:	17009-0001	11/7/2024 12:55:08PM
Farmington NM, 87499	Project Manager:	Clay Green	

Cell 10 Vadose

E410367-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	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	
Surrogate: Bromofluorobenzene	97.3 %	70-130		10/31/24	11/04/24	
Surrogate: 1,2-Dichloroethane-d4	96.8 %	70-130		10/31/24	11/04/24	
Surrogate: Toluene-d8	103 %	70-130		10/31/24	11/04/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2444128
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/31/24	11/04/24	
Surrogate: Bromofluorobenzene	97.3 %	70-130		10/31/24	11/04/24	
Surrogate: 1,2-Dichloroethane-d4	96.8 %	70-130		10/31/24	11/04/24	
Surrogate: Toluene-d8	103 %	70-130		10/31/24	11/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Surrogate: n-Nonane	106 %	50-200		10/31/24	11/05/24	
Total Metals by EPA 6010C						
	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	Project Name:	TNT Landfarm 3rd Vadose	
PO Box 2530	Project Number:	17009-0001	Reported:
Farmington NM, 87499	Project Manager:	Clay Green	11/7/2024 12:55:08PM

Cell 10 Vadose**E410367-10**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2445020
Fluoride	ND	2.50	1	11/04/24	11/04/24	
Chloride	45.5	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	67.0	20.0	1	11/04/24	11/04/24	



Sample Data

TNT Environmental	Project Name:	TNT Landfarm 3rd Vadose	Reported:
PO Box 2530	Project Number:	17009-0001	11/7/2024 12:55:08PM
Farmington NM, 87499	Project Manager:	Clay Green	

Cell 11 Vadose

E410367-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatiles Organic Compounds by EPA 8260B						
	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	
Surrogate: Bromofluorobenzene	98.5 %	70-130		10/31/24	11/04/24	
Surrogate: 1,2-Dichloroethane-d4	98.7 %	70-130		10/31/24	11/04/24	
Surrogate: Toluene-d8	104 %	70-130		10/31/24	11/04/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2444128
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/31/24	11/04/24	
Surrogate: Bromofluorobenzene	98.5 %	70-130		10/31/24	11/04/24	
Surrogate: 1,2-Dichloroethane-d4	98.7 %	70-130		10/31/24	11/04/24	
Surrogate: Toluene-d8	104 %	70-130		10/31/24	11/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Surrogate: n-Nonane	111 %	50-200		10/31/24	11/05/24	
Total Metals by EPA 6010C						
	mg/kg	mg/kg		Analyst: LS		Batch: 2444133
Arsenic	ND	0.500	1	10/31/24	11/01/24	
Barium	116	6.25	1	10/31/24	11/01/24	
Cadmium	ND	0.250	1	10/31/24	11/01/24	
Calcium	6670	25.0	1	10/31/24	11/01/24	
Chromium	19.5	0.500	1	10/31/24	11/01/24	
Copper	8.30	0.500	1	10/31/24	11/01/24	
Iron	26700	1000	20	10/31/24	11/04/24	
Lead	3.29	0.250	1	10/31/24	11/01/24	
Magnesium	7130	500	20	10/31/24	11/04/24	
Manganese	480	5.00	20	10/31/24	11/04/24	
Mercury	ND	0.250	1	10/31/24	11/01/24	
Potassium	3330	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	635	50.0	1	10/31/24	11/01/24	
Zinc	42.9	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	Reported: 11/7/2024 12:55:08PM
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Cell 11 Vadose

E410367-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2445020	
Fluoride	8.10	2.50	1	11/04/24	11/04/24	
Chloride	73.4	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	125	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

Reported:
11/7/2024 12:55:08PM

Cell 12 Vadose

E410367-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatiles Organic Compounds by EPA 8260B						
	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	
Surrogate: Bromofluorobenzene	99.8 %	70-130		10/31/24	11/04/24	
Surrogate: 1,2-Dichloroethane-d4	94.7 %	70-130		10/31/24	11/04/24	
Surrogate: Toluene-d8	106 %	70-130		10/31/24	11/04/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2444128
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/31/24	11/04/24	
Surrogate: Bromofluorobenzene	99.8 %	70-130		10/31/24	11/04/24	
Surrogate: 1,2-Dichloroethane-d4	94.7 %	70-130		10/31/24	11/04/24	
Surrogate: Toluene-d8	106 %	70-130		10/31/24	11/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Surrogate: n-Nonane	120 %	50-200		10/31/24	11/05/24	
Total Metals by EPA 6010C						
	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	Reported: 11/7/2024 12:55:08PM
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Cell 12 Vadose

E410367-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2445020	
Fluoride	26.5	2.50	1	11/04/24	11/04/24	
Chloride	145	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	317	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

Reported:
11/7/2024 12:55:08PM

Cell 13 Vadose

E410367-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatiles Organic Compounds by EPA 8260B						
	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	
Surrogate: Bromofluorobenzene	99.1 %	70-130		10/31/24	11/04/24	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		10/31/24	11/04/24	
Surrogate: Toluene-d8	105 %	70-130		10/31/24	11/04/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2444128
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/31/24	11/04/24	
Surrogate: Bromofluorobenzene	99.1 %	70-130		10/31/24	11/04/24	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		10/31/24	11/04/24	
Surrogate: Toluene-d8	105 %	70-130		10/31/24	11/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Surrogate: n-Nonane	112 %	50-200		10/31/24	11/05/24	
Total Metals by EPA 6010C						
	mg/kg	mg/kg		Analyst: LS		Batch: 2444133
Arsenic	ND	0.500	1	10/31/24	11/01/24	
Barium	80.0	6.25	1	10/31/24	11/01/24	
Cadmium	ND	0.250	1	10/31/24	11/01/24	
Calcium	18200	250	10	10/31/24	11/04/24	
Chromium	15.5	0.500	1	10/31/24	11/01/24	
Copper	18.6	0.500	1	10/31/24	11/01/24	
Iron	15200	50.0	1	10/31/24	11/01/24	
Lead	3.17	0.250	1	10/31/24	11/01/24	
Magnesium	3250	25.0	1	10/31/24	11/01/24	
Manganese	372	2.50	10	10/31/24	11/04/24	
Mercury	ND	0.250	1	10/31/24	11/01/24	
Potassium	2420	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	231	50.0	1	10/31/24	11/01/24	
Zinc	36.0	2.50	1	10/31/24	11/01/24	



Sample Data

TNT Environmental	Project Name:	TNT Landfarm 3rd Vadose	Reported: 11/7/2024 12:55:08PM
PO Box 2530	Project Number:	17009-0001	
Farmington NM, 87499	Project Manager:	Clay Green	

Cell 13 Vadose

E410367-13

Analyte	Reporting					
	Result	Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	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

Reported:
11/7/2024 12:55:08PM

Cell 14 Vadose

E410367-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatiles Organic Compounds by EPA 8260B						
	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	
Surrogate: Bromofluorobenzene	99.2 %	70-130		10/31/24	11/04/24	
Surrogate: 1,2-Dichloroethane-d4	95.1 %	70-130		10/31/24	11/04/24	
Surrogate: Toluene-d8	104 %	70-130		10/31/24	11/04/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2444128
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/31/24	11/04/24	
Surrogate: Bromofluorobenzene	99.2 %	70-130		10/31/24	11/04/24	
Surrogate: 1,2-Dichloroethane-d4	95.1 %	70-130		10/31/24	11/04/24	
Surrogate: Toluene-d8	104 %	70-130		10/31/24	11/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Surrogate: n-Nonane	115 %	50-200		10/31/24	11/05/24	
Total Metals by EPA 6010C						
	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	Reported: 11/7/2024 12:55:08PM
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Cell 14 Vadose**E410367-14**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	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	Project Name:	TNT Landfarm 3rd Vadose	Reported:
PO Box 2530	Project Number:	17009-0001	
Farmington NM, 87499	Project Manager:	Clay Green	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
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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-BS1)

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	Project Name:	TNT Landfarm 3rd Vadose	Reported:
PO Box 2530	Project Number:	17009-0001	
Farmington NM, 87499	Project Manager:	Clay Green	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
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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	Reported: 11/7/2024 12:55:08PM
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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
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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	Reported: 11/7/2024 12:55:08PM
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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
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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
Sodium	471	50.0	500	94.2	80-120
Zinc	58.2	2.50	62.5	93.1	80-120

L4

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
Calcium	5280	25.0	1250	5000	22.0	75-125
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
Lead	8.17	0.250	6.25	3.39	76.4	75-125
Magnesium	3790	25.0	1250	2910	70.4	75-125
Manganese	227	2.50	6.25	203	395	75-125
Mercury	17.8	0.250	25.0	ND	71.1	75-125
Potassium	2810	25.0	125	2740	60.0	75-125
Selenium	23.8	1.25	31.3	ND	76.2	75-125
Silver	1.64	0.250	2.50	ND	65.5	75-125
Sodium	524	50.0	500	172	70.3	75-125
Zinc	81.7	2.50	62.5	27.4	87.0	75-125

M2

M2

M2

M2

M4

M2

M4

M2

M2

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
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
Magnesium	3900	25.0	1250	2910	79.2	75-125	2.86	20

M2

M2



QC Summary Data

TNT Environmental	Project Name:	TNT Landfarm 3rd Vadose	Reported:
PO Box 2530	Project Number:	17009-0001	
Farmington NM, 87499	Project Manager:	Clay Green	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
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Matrix Spike Dup (2444133-MSD1)

Source: E410321-01

Prepared: 10/31/24 Analyzed: 11/04/24

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	Project Name:	TNT Landfarm 3rd Vadose	Reported:
PO Box 2530	Project Number:	17009-0001	
Farmington NM, 87499	Project Manager:	Clay Green	11/7/2024 12:55:08PM

Anions by EPA 300.0/9056A

Analyst: DT

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

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	Project Name:	TNT Landfarm 3rd Vadose	
PO Box 2530	Project Number:	17009-0001	Reported:
Farmington NM, 87499	Project Manager:	Clay Green	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		Bill To		Lab Use Only		TAT		EPA Program						
Project: TNT Landfarm 3rd Vadose		Attention: TNT Environmental		Lab Use Only		1D 2D 3D Standard		CWA SDWA						
Project Manager: Clay Green		Address: PO Box 2530		Lab Use Only		X								
Address: PO Box 2530		City, State, Zip		Analysis and Method				RCRA						
City, State, Zip: Farmington NM 87499		Phone:						State						
Email: Clay@walsheng.net, Shawna.Arleen, Marie		Email:						NM CO UT AZ TX						
Report due by:								X						
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	GRU/GRU by 8013	GRU/GRU by 8015	STEL by 8021	VOC by 8260	Metals 6010	Chloride 8000	Major Cat/An	RCRA Heavy Metals	Remarks
9:10	10-29-24	S	1	Cell 1 Vadose	1	X	X	X				X	X	On Ice
9:37				Cell 2 Vadose	2	X	X	X				X	X	On Ice
9:45				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 veracity 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 8 °C on subsequent days.				
Relinquished by: (Signature) <i>Clay Green</i> Date: 10-29-24 Time: 14:18										Received by: (Signature) <i>Not Sent</i> Date: 10-29-24 Time: 14:18				
Relinquished by: (Signature)										Received by: (Signature)				
Relinquished by: (Signature)										Received by: (Signature)				
Sample Matrix: g - Soil, sd - Solid, Sy - 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 3rd Vadose				Attention: TNT Environmental				Lab WO#				1D 2D 3D Standard				CWA SDWA			
Project Manager: Clay Green				Address: PO Box 2530				Job Number				X				RCRA			
Address: PO Box 2530				City, State, Zip				E-410347											
City, State, Zip: Farmington NM 87499				Phone:				1709-0001											
Phone:				Email:				Analysis and Method											
Email: clay@walsheing.net, shawna, Aileen, Marie				Report due by:															
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	Major Cat/An	RCRA 6 Heavy Metals	State: NM CO UT AZ TX					
10:46	10-29-24	S	4		14	X	X	X				X	X	Remarks					
10:57					12	X	X	X				X	X	Onsite					
11:12					13	X	X	X				X	X	Onsite					
11:21					14	X	X	X				X	X	Onsite					
Additional Instructions:																			
1. (field sample), 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.																			
Reinquinshed by: (Signature)				Date		Time		Received by: (Signature)				Date		Time		Lab Use Only			
Reinquinshed by: (Signature)				Date		Time		Received by: (Signature)				Date		Time		Received on site: W/NI			
Reinquinshed by: (Signature)				Date		Time		Received by: (Signature)				Date		Time		I1 I2 I3			
Sample Matrix: S - Soil, SS - Solid Sg - Sludge, A - Aqueous, O - Other				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.													
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: 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

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

Carrier: Clay GreenSample 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 InstructionComments/Resolution

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

Date



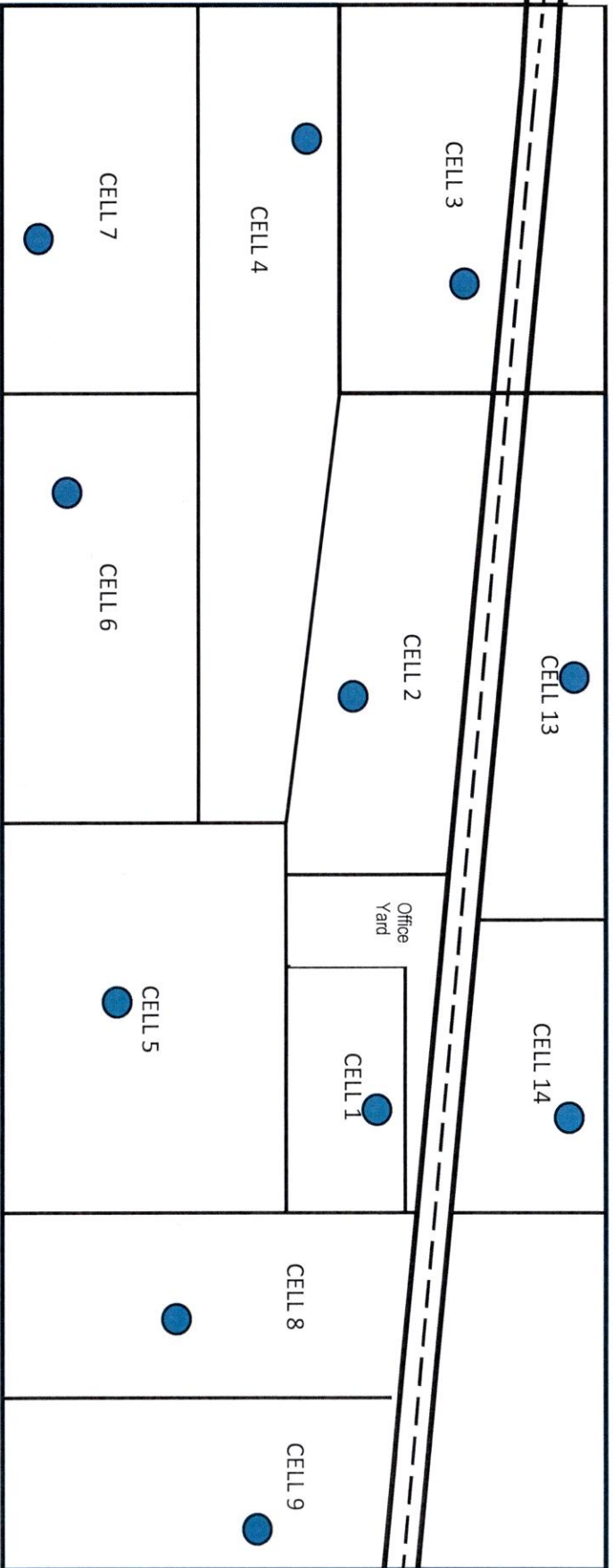
envirotech Inc.

Permit – NM 1-008

One Random Soil Sample
Each Individual Cell

Exhibit 3

Hwy 537



Vadose Zone Legend

● 3 Feet Soil Sampled

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

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/oed/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 407161

CONDITIONS

Operator: T-N-T ENVIRONMENTAL INC PO Box 2530 Farmington, NM 87499	OGRID: 22099
	Action Number: 407161
	Action Type: [C-137] Non-Fee SWMF Submittal (SWMF NON-FEE SUBMITTAL)

CONDITIONS

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