



WALSH ENGINEERING & PRODUCTION CORP.

Petroleum Engineering Consulting
Lease Management
Contract Pumping

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November 17, 2023

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, NMMPM, Rio
Arriba County, New Mexico

Mr. Jones,

Walsh Engineering and Production on behalf of T-N-T Environmental, Inc., please find attached the
Vadose zone analysis results.

Please let me know if you have any questions.

Thank you,

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

TNT LANDFARM		fEEM0112335451	VADOSE		CELL #1
Laboratory Analysis Results					
		1 st VZ Sampling April 30, 2023	2 nd VZ Sampling July 31, 2023	3 rd VZ Sampling Sept. 26, 2023	5-year VZ Monitoring
	REPORTING LIMIT	RESULTS	RESULTS	RESULTS	RESULTS
TPH 8015					
GRO			20.0	20.0	
DRO			25.0	25.0	
ORO			50.0	50.0	
TOTAL TPH	2,500 mg	40.0	95.0	95.0	
BTEX 8021B					
Benzene	10 mg/kg	0.0250	0.0250	0.0250	
Toluene		0.0250	0.0250	0.0250	
Ethylbenzene		0.0250	0.0250	0.0250	
Total Xylenes		0.0250	0.0250	0.0250	
Total BTEX	50 mg/kg	0.0250	0.0250	0.0250	
METALS					
Arsenic	0.01 mg/l	0.500		0.500	
Barium	2 mg/l	80.4		83.6	
Cadmium	0.005 mg/l	0.425		0.915	
Chromium	0.05 mg/l	19.1		14.2	
Calcium		4050		2350	
Iron		14500		12,100	
Lead	0.015 mg/l	2.89		2.96	
Magnesium		4020		3130	
Selenium	0.05 mg/l	1.25		1.25	
Silver	0.05 mg/l	0.250		0.250	
Potassium		1430		974	
Sodium		223		220	
ANIONS					
Fluoride		3.41		2.50	
Chloride		29.6		20.0	
Nitrite-N		2.50		2.50	
Nitrate-N		2.50		2.52	
o-Phosphate-P		2.50		2.50	
Sulfate		177		91.0	
Mercury	0.200	20.0		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 #2
Laboratory Analysis Results					
		1 st VZ Sampling April 30, 2023	2 nd VZ Sampling July 31, 2023	3 rd VZ Sampling Sept. 26, 2023	5-year VZ Monitoring
	REPORTING LIMIT	RESULTS	RESULTS	RESULTS	RESULTS
TPH 8015					
GRO			20.0	20.0	
DRO			25.0	25.0	
ORO			50.0	50.0	
TOTAL TPH	2,500 mg	40.0	95.0	95.0	
BTEX 8021B					
Benzene	10 mg/kg	0.0250	0.0250	0.0250	
Toluene		0.0250	0.0250	0.0250	
Ethylbenzene		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	
METALS					
Arsenic	0.01 mg/l	0.838		0.500	
Barium	2 mg/l	86.4		94.9	
Cadmium	0.005 mg/l	0.250		1.51	
Chromium	0.05 mg/l	12.0		20.5	
Calcium		5870		8,520	
Iron		9750		15,600	
Lead	0.015 mg/l	1.87		3.94	
Magnesium		2250		4,970	
Selenium	0.05 mg/l	1.25		1.25	
Silver	0.05 mg/l	0.250		0.250	
Potassium		620		1,460	
Sodium		128		158	
ANIONS					
Fluoride		2.50		2.75	
Chloride		32.3		20.1	
Nitrite-N		2.50		2.50	
Nitrate-N		2.50		2.50	
o-Phosphate-P		2.50		2.50	
Sulfate		202		146	
Mercury	0.200	20.0		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 #3
Laboratory Analysis Results					
		1 st VZ Sampling April 30, 2023	2 nd VZ Sampling July 31, 2023	3 rd VZ Sampling Sept. 26, 2023	5-year VZ Monitoring
	REPORTING LIMIT	RESULTS	RESULTS	RESULTS	RESULTS
TPH 8015					
GRO			20.0	20.0	
DRO			25.0	25.0	
ORO			50.0	50.0	
TOTAL TPH	2,500 mg		95.0	95.0	
BTEX 8021B					
Benzene	10 mg/kg		0.0250	0.0250	
Toluene			0.0250	0.0250	
Ethylbenzene			0.0250	0.0250	
Total Xylenes			0.0250	0.0250	
Total BTEX	50 mg/kg		0.1	0.1	
METALS					
Arsenic	0.01 mg/l			0.500	
Barium	2 mg/l			86.2	
Cadmium	0.005 mg/l			0.930	
Chromium	0.05 mg/l			13.5	
Calcium				6,180	
Iron				11,100	
Lead	0.015 mg/l			2.77	
Magnesium				3,370	
Selenium	0.05 mg/l			1.25	
Silver	0.05 mg/l			0.250	
Potassium				920	
Sodium				164	
ANIONS					
Fluoride		2.50		2.50	
Chloride		32.3		20.0	
Nitrite-N		2.50		2.50	
Nitrate-N		2.50		2.50	
o-Phosphate-P		2.50		2.50	
Sulfate		202		64.4	
Mercury	0.200			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 #4
Laboratory Analysis Results					
		1 st VZ Sampling April 30, 2023	2 nd VZ Sampling July 31, 2023	3 rd VZ Sampling Sept. 26, 2023	5-year VZ Monitoring
	REPORTING LIMIT	RESULTS	RESULTS	RESULTS	RESULTS
TPH 8015					
GRO			20.0	20.0	
DRO			25.0	25.0	
ORO			50.0	50.0	
TOTAL TPH	2,500 mg		95.0	95.0	
BTEX 8021B					
Benzene	10 mg/kg		0.0250	0.0250	
Toluene			0.0250	0.0250	
Ethylbenzene			0.0250	0.0250	
Total Xylenes			0.0250	0.0250	
Total BTEX	50 mg/kg		0.1	0.1	
METALS					
Arsenic	0.01 mg/l			0.500	
Barium	2 mg/l			172	
Cadmium	0.005 mg/l			2.49	
Chromium	0.05 mg/l			34.8	
Calcium				6,870	
Iron				36,000	
Lead	0.015 mg/l			4.85	
Magnesium				8,340	
Selenium	0.05 mg/l			1.25	
Silver	0.05 mg/l			0.250	
Potassium				3,310	
Sodium				523	
ANIONS					
Fluoride		2.50		13.0	
Chloride		32.3		151	
Nitrite-N		2.50		2.50	
Nitrate-N		2.50		4.69	
o-Phosphate-P		2.50		2.50	
Sulfate		202		76.8	
Mercury	0.200			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, 2023	2 nd VZ Sampling July 31, 2023	3 rd VZ Sampling Sept. 26, 2023	5-year VZ Monitoring
	REPORTING LIMIT	RESULTS	RESULTS	RESULTS	RESULTS
TPH 8015					
GRO			20.0	20.0	
DRO			69.2	25.0	
ORO			90.5	50.0	
TOTAL TPH	2,500 mg		179.7	95.0	
BTEX 8021B					
Benzene	10 mg/kg		0.0250	0.0250	
Toluene			0.0250	0.0250	
Ethylbenzene			0.0250	0.0250	
Total Xylenes			0.0250	0.0250	
Total BTEX	50 mg/kg		0.1	0.1	
METALS					
Arsenic	0.01 mg/l			0.500	
Barium	2 mg/l			78.0	
Cadmium	0.005 mg/l			1.06	
Chromium	0.05 mg/l			15.7	
Calcium				2,670	
Iron				12,900	
Lead	0.015 mg/l			3.28	
Magnesium				3,580	
Selenium	0.05 mg/l			1.25	
Silver	0.05 mg/l			0.250	
Potassium				1,120	
Sodium				131	
ANIONS					
Fluoride		2.50		2.50	
Chloride		32.3		25.0	
Nitrite-N		2.50		2.50	
Nitrate-N		2.50		7.47	
o-Phosphate-P		2.50		2.50	
Sulfate		202		20.0	
Mercury	0.200			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 #6
Laboratory Analysis Results					
		1 st VZ Sampling April 30, 2023	2 nd VZ Sampling July 31, 2023	3 rd VZ Sampling Sept. 26, 2023	5-year VZ Monitoring
	REPORTING LIMIT	RESULTS	RESULTS	RESULTS	RESULTS
TPH 8015					
GRO			20.0	20.0	
DRO			25.0	25.0	
ORO			50.0	50.0	
TOTAL TPH	2,500 mg		95.0	95.0	
BTEX 8021B					
Benzene	10 mg/kg		0.0250	0.0250	
Toluene			0.0250	0.0250	
Ethylbenzene			0.0250	0.0250	
Total Xylenes			0.0250	0.0250	
Total BTEX	50 mg/kg		0.1	0.1	
METALS					
Arsenic	0.01 mg/l			0.500	
Barium	2 mg/l			128	
Cadmium	0.005 mg/l			1.78	
Chromium	0.05 mg/l			24.1	
Calcium				11,000	
Iron				26,500	
Lead	0.015 mg/l			4.31	
Magnesium				5,990	
Selenium	0.05 mg/l			1.25	
Silver	0.05 mg/l			0.250	
Potassium				1,770	
Sodium				196	
ANIONS					
Fluoride		2.50		3.54	
Chloride		32.3		26.0	
Nitrite-N		2.50		2.50	
Nitrate-N		2.50		2.50	
o-Phosphate-P		2.50		2.50	
Sulfate		202		193	
Mercury	0.200			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 #7
Laboratory Analysis Results					
		1 st VZ Sampling April 30, 2023	2 nd VZ Sampling July 31, 2023	3 rd VZ Sampling Sept. 26, 2023	5-year VZ Monitoring
	REPORTING LIMIT	RESULTS	RESULTS	RESULTS	RESULTS
TPH 8015					
GRO			20.0	20.0	
DRO			67.3	25.0	
ORO			67.4	50.0	
TOTAL TPH	2,500 mg		154.7	95.0	
BTEX 8021B					
Benzene	10 mg/kg		0.0250	0.0250	
Toluene			0.0250	0.0250	
Ethylbenzene			0.0250	0.0250	
Total Xylenes			0.0250	0.0250	
Total BTEX	50 mg/kg		0.1	0.1	
METALS					
Arsenic	0.01 mg/l			0.500	
Barium	2 mg/l			87.4	
Cadmium	0.005 mg/l			1.13	
Chromium	0.05 mg/l			17.7	
Calcium				4,580	
Iron				13,500	
Lead	0.015 mg/l			3.36	
Magnesium				4,200	
Selenium	0.05 mg/l			1.25	
Silver	0.05 mg/l			0.250	
Potassium				1,470	
Sodium				179	
ANIONS					
Fluoride		2.50		4.29	
Chloride		32.3		57.5	
Nitrite-N		2.50		2.50	
Nitrate-N		2.50		4.06	
o-Phosphate-P		2.50		2.50	
Sulfate		202		31.1	
Mercury	0.200			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 #8
Laboratory Analysis Results					
		1 st VZ Sampling April 30, 2023	2 nd VZ Sampling July 31, 2023	3 rd VZ Sampling Sept. 26, 2023	5-year VZ Monitoring
	REPORTING LIMIT	RESULTS	RESULTS	RESULTS	RESULTS
TPH 8015					
GRO			20.0	20.0	
DRO			25.0	25.0	
ORO			50.0	50.0	
TOTAL TPH	2,500 mg		95.0	95.0	
BTEX 8021B					
Benzene	10 mg/kg		0.0250	0.0250	
Toluene			0.0250	0.0250	
Ethylbenzene			0.0250	0.0250	
Total Xylenes			0.0250	0.0250	
Total BTEX	50 mg/kg		0.1	0.1	
METALS					
Arsenic	0.01 mg/l			0.500	
Barium	2 mg/l			176	
Cadmium	0.005 mg/l			2.25	
Chromium	0.05 mg/l			30.2	
Calcium				8,390	
Iron				32,100	
Lead	0.015 mg/l			5.07	
Magnesium				7,250	
Selenium	0.05 mg/l			1.25	
Silver	0.05 mg/l			0.250	
Potassium				2,930	
Sodium				791	
ANIONS					
Fluoride		2.50		20.9	
Chloride		32.3		561	
Nitrite-N		2.50		2.50	
Nitrate-N		2.50		2.50	
o-Phosphate-P		2.50		2.50	
Sulfate		202		228	
Mercury	0.200			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 #9
Laboratory Analysis Results					
		1 st VZ Sampling April 30, 2023	2 nd VZ Sampling July 31, 2023	3 rd VZ Sampling Sept. 26, 2023	5-year VZ Monitoring
	REPORTING LIMIT	RESULTS	RESULTS	RESULTS	RESULTS
TPH 8015					
GRO			20.0	20.0	
DRO			25.0	25.0	
ORO			50.0	50.0	
TOTAL TPH	2,500 mg		95.0	95.0	
BTEX 8021B					
Benzene	10 mg/kg		0.0250	0.0250	
Toluene			0.0250	0.0250	
Ethylbenzene			0.0250	0.0250	
Total Xylenes			0.0250	0.0250	
Total BTEX	50 mg/kg		0.1	0.1	
METALS					
Arsenic	0.01 mg/l			0.500	
Barium	2 mg/l			189	
Cadmium	0.005 mg/l			1.67	
Chromium	0.05 mg/l			23.6	
Calcium				6,830	
Iron				26,100	
Lead	0.015 mg/l			4.37	
Magnesium				5,530	
Selenium	0.05 mg/l			1.25	
Silver	0.05 mg/l			0.250	
Potassium				2,160	
Sodium				220	
ANIONS					
Fluoride		2.50		3.10	
Chloride		32.3		146	
Nitrite-N		2.50		2.50	
Nitrate-N		2.50		2.50	
o-Phosphate-P		2.50		2.50	
Sulfate		202		26.3	
Mercury	0.200			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					

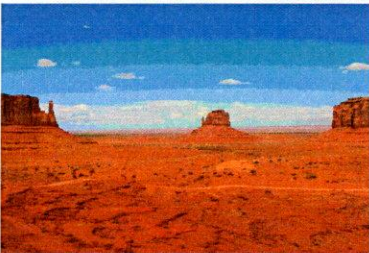
TNT LANDFARM		fEEM0112335451		VADOSE	CELL #10
Laboratory Analysis Results					
		1 st VZ Sampling April 30, 2023	2 nd VZ Sampling July 31, 2023	3 rd VZ Sampling Sept. 26, 2023	5-year VZ Monitoring
	REPORTING LIMIT	RESULTS	RESULTS	RESULTS	RESULTS
TPH 8015					
GRO			20.0	20.0	
DRO			25.0	25.0	
ORO			50.0	50.0	
TOTAL TPH	2,500 mg		95.0	95.0	
BTEX 8021B					
Benzene	10 mg/kg		0.0250	0.0250	
Toluene			0.0250	0.0250	
Ethylbenzene			0.0250	0.0250	
Total Xylenes			0.0250	0.0250	
Total BTEX	50 mg/kg		0.1	0.1	
METALS					
Arsenic	0.01 mg/l			0.500	
Barium	2 mg/l			68.8	
Cadmium	0.005 mg/l			0.578	
Chromium	0.05 mg/l			9.55	
Calcium				3,460	
Iron				8,470	
Lead	0.015 mg/l			2.23	
Magnesium				2,150	
Selenium	0.05 mg/l			1.25	
Silver	0.05 mg/l			0.250	
Potassium				656	
Sodium				50.0	
ANIONS					
Fluoride		2.50		2.50	
Chloride		32.3		36.7	
Nitrite-N		2.50		2.50	
Nitrate-N		2.50		2.50	
o-Phosphate-P		2.50		2.50	
Sulfate		202		20.0	
Mercury	0.200			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 #11
Laboratory Analysis Results					
		1 st VZ Sampling April 30, 2023	2 nd VZ Sampling July 31, 2023	3 rd VZ Sampling Sept. 26, 2023	5-year VZ Monitoring
	REPORTING LIMIT	RESULTS	RESULTS	RESULTS	RESULTS
TPH 8015					
GRO			20.0	20.0	
DRO			123	25.0	
ORO			50.0	50.0	
TOTAL TPH	2,500 mg		193	95.0	
BTEX 8021B					
Benzene	10 mg/kg		0.0250	0.0250	
Toluene			0.0250	0.0250	
Ethylbenzene			0.0250	0.0250	
Total Xylenes			0.0250	0.0250	
Total BTEX	50 mg/kg		0.1	0.1	
METALS					
Arsenic	0.01 mg/l			0.593	
Barium	2 mg/l			212	
Cadmium	0.005 mg/l			1.91	
Chromium	0.05 mg/l			23.2	
Calcium				5,130	
Iron				32,400	
Lead	0.015 mg/l			6.01	
Magnesium				4,720	
Selenium	0.05 mg/l			1.25	
Silver	0.05 mg/l			0.250	
Potassium				2,040	
Sodium				302	
ANIONS					
Fluoride		2.50		3.62	
Chloride		32.3		44.3	
Nitrite-N		2.50		2.50	
Nitrate-N		2.50		2.50	
o-Phosphate-P		2.50		2.50	
Sulfate		202		48.0	
Mercury	0.200			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 #12
Laboratory Analysis Results					
		1 st VZ Sampling April 30, 2023	2 nd VZ Sampling July 31, 2023	3 rd VZ Sampling Sept. 26 2023	5-year VZ Monitoring
	REPORTING LIMIT	RESULTS	RESULTS	RESULTS	RESULTS
TPH 8015					
GRO			20.0	20.0	
DRO			25.0	25.0	
ORO			50.0	50.0	
TOTAL TPH	2,500 mg		95.0	95.0	
BTEX 8021B					
Benzene	10 mg/kg		0.0250	0.0250	
Toluene			0.0250	0.0250	
Ethylbenzene			0.0250	0.0250	
Total Xylenes			0.0250	0.0250	
Total BTEX	50 mg/kg		0.1	0.1	
METALS					
Arsenic	0.01 mg/l			0.500	
Barium	2 mg/l			172	
Cadmium	0.005 mg/l			1.94	
Chromium	0.05 mg/l			28.0	
Calcium				5,930	
Iron				30,100	
Lead	0.015 mg/l			5.68	
Magnesium				5,280	
Selenium	0.05 mg/l			1.25	
Silver	0.05 mg/l			0.250	
Potassium				2,950	
Sodium				540	
ANIONS					
Fluoride		2.50		4.07	
Chloride		32.3		27.0	
Nitrite-N		2.50		2.50	
Nitrate-N		2.50		2.50	
o-Phosphate-P		2.50		2.50	
Sulfate		202		79.8	
Mercury	0.200			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 #13
Laboratory Analysis Results					
		1 st VZ Sampling April 30, 2023	2 nd VZ Sampling July 31, 2023	3 rd VZ Sampling Sept. 26, 2023	5-year VZ Monitoring
	REPORTING LIMIT	RESULTS	RESULTS	RESULTS	RESULTS
TPH 8015					
GRO			20.0	20.0	
DRO			25.0	25.0	
ORO			50.0	50.0	
TOTAL TPH	2,500 mg		95.0	95.0	
BTEX 8021B					
Benzene	10 mg/kg		0.0250	0.0250	
Toluene			0.0250	0.0250	
Ethylbenzene			0.0250	0.0250	
Total Xylenes			0.0250	0.0250	
Total BTEX	50 mg/kg		0.1	0.1	
METALS					
Arsenic	0.01 mg/l			0.500	
Barium	2 mg/l			120	
Cadmium	0.005 mg/l			2.03	
Chromium	0.05 mg/l			31.5	
Calcium				7,800	
Iron				30,800	
Lead	0.015 mg/l			4.62	
Magnesium				6,930	
Selenium	0.05 mg/l			1.25	
Silver	0.05 mg/l			0.250	
Potassium				2,510	
Sodium				180	
ANIONS					
Fluoride		2.50		3.42	
Chloride		32.3		20.0	
Nitrite-N		2.50		2.50	
Nitrate-N		2.50		2.50	
o-Phosphate-P		2.50		2.50	
Sulfate		202		115	
Mercury	0.200			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					

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,

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Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

TNT Environmental	Project Name:	TNT Landfarm	Reported:
PO Box 2530	Project Number:	17009-C-0001	
Farmington NM, 87499	Project Manager:	Clay Green	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

Reported:
10/5/2023 10:56:01AM

Cell 1 Vadose

E309193-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Total Metals by EPA 6010C						
	mg/kg	mg/kg		Analyst: JL		Batch: 2339057
Arsenic	ND	0.500	1	09/28/23	10/03/23	
Barium	83.6	6.25	1	09/28/23	10/03/23	
Cadmium	0.915	0.250	1	09/28/23	10/03/23	
Chromium	14.2	0.500	1	09/28/23	10/03/23	
Calcium	2350	25.0	1	09/28/23	10/03/23	
Lead	2.96	0.250	1	09/28/23	10/03/23	
Iron	12100	50.0	1	09/28/23	10/03/23	
Magnesium	3130	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	974	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

Reported:
10/5/2023 10:56:01AM

Cell 1 Vadose

E309193-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A						
	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	2.52	2.50	1	09/27/23	09/28/23	
o-Phosphate-P	ND	2.50	1	09/27/23	09/28/23	
Sulfate	91.0	20.0	1	09/27/23	09/28/23	
Total Mercury by EPA 7471B						
	ug/kg	ug/kg		Analyst: JL		Batch: 2339067
Mercury	ND	20.0	1	09/28/23	09/29/23	



Sample Data

TNT Environmental	Project Name:	TNT Landfarm	
PO Box 2530	Project Number:	17009-C-0001	
Farmington NM, 87499	Project Manager:	Clay Green	Reported: 10/5/2023 10:56:01AM

Cell 2 Vadose

E309193-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	94.8 %	70-130		09/26/23	09/27/23	
Nonhalogenated Organics by EPA 8015D - GRO	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Total Metals by EPA 6010C	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	Reported: 10/5/2023 10:56:01AM
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Cell 2 Vadose

E309193-02

Analyte	Result	Reporting		Dilution	Prepared	Analyzed	Notes
		Limit					
Anions by EPA 300.0/9056A	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		
Total Mercury by EPA 7471B	ug/kg	ug/kg		Analyst: JL			Batch: 2339067
Mercury	ND	20.0	1	09/28/23	09/29/23		



Sample Data

TNT Environmental	Project Name:	TNT Landfarm	Reported:
PO Box 2530	Project Number:	17009-C-0001	10/5/2023 10:56:01AM
Farmington NM, 87499	Project Manager:	Clay Green	

Cell 3 Vadose

E309193-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	95.1 %	70-130		09/26/23	09/27/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	94.0 %	70-130		09/26/23	09/27/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	121 %	50-200		09/26/23	09/26/23	
Total Metals by EPA 6010C						
	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	Reported: 10/5/2023 10:56:01AM
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Cell 3 Vadose

E309193-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	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	64.4	20.0	1	09/27/23	09/28/23	
Total Mercury by EPA 7471B	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	Reported: 10/5/2023 10:56:01AM
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Cell 4 Vadose

E309193-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	95.4 %	70-130		09/26/23	09/27/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	93.4 %	70-130		09/26/23	09/27/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	99.3 %	50-200		09/26/23	09/26/23	
Total Metals by EPA 6010C						
	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	Reported: 10/5/2023 10:56:01AM
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Cell 4 Vadose

E309193-04

Analyte	Reporting					Notes
	Result	Limit	Dilution	Prepared	Analyzed	
Anions by EPA 300.0/9056A	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	
Total Mercury by EPA 7471B	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

Reported:
10/5/2023 10:56:01AM

Cell 5 Vadose

E309193-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Total Metals by EPA 6010C						
	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

Reported:
10/5/2023 10:56:01AM

Cell 5 Vadose

E309193-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: RAS		Batch: 2339033
Fluoride	ND	2.50	1	09/27/23	09/28/23	
Chloride	25.0	20.0	1	09/27/23	09/28/23	
Nitrite-N	ND	2.50	1	09/27/23	09/28/23	
Nitrate-N	7.47	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	
Total Mercury by EPA 7471B		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	Reported: 10/5/2023 10:56:01AM
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Cell 6 Vadose

E309193-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	95.4 %	70-130		09/26/23	09/27/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	92.0 %	70-130		09/26/23	09/27/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Surrogate: n-Nonane	108 %	50-200		09/26/23	09/26/23	
Total Metals by EPA 6010C						
	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	Reported: 10/5/2023 10:56:01AM
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Cell 6 Vadose

E309193-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	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	
Total Mercury by EPA 7471B	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

Reported:
10/5/2023 10:56:01AM

Cell 7 Vadose

E309193-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Total Metals by EPA 6010C						
	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	Reported: 10/5/2023 10:56:01AM
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Cell 7 Vadose

E309193-07

Analyte	Reporting					Notes
	Result	Limit	Dilution	Prepared	Analyzed	
Anions by EPA 300.0/9056A	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	
Total Mercury by EPA 7471B	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	Reported: 10/5/2023 10:56:01AM
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Cell 8 Vadose

E309193-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	95.9 %	70-130		09/26/23	09/27/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	92.6 %	70-130		09/26/23	09/27/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Surrogate: n-Nonane	106 %	50-200		09/26/23	09/27/23	
Total Metals by EPA 6010C						
	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	Project Name:	TNT Landfarm	
PO Box 2530	Project Number:	17009-C-0001	Reported:
Farmington NM, 87499	Project Manager:	Clay Green	10/5/2023 10:56:01AM

Cell 8 Vadose

E309193-08

Analyte	Reporting					Notes
	Result	Limit	Dilution	Prepared	Analyzed	
Anions by EPA 300.0/9056A	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	
Total Mercury by EPA 7471B	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

Reported:
10/5/2023 10:56:01AM

Cell 9 Vadose

E309193-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Total Metals by EPA 6010C						
	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

Reported:
10/5/2023 10:56:01AM

Cell 9 Vadose

E309193-09

Analyte	Reporting					Notes
	Result	Limit	Dilution	Prepared	Analyzed	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2339033
Fluoride	3.10	2.50	1	09/27/23	09/28/23	
Chloride	146	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	26.3	20.0	1	09/27/23	09/28/23	
Total Mercury by EPA 7471B	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

Reported:
10/5/2023 10:56:01AM

Cell 10 Vadose

E309193-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Total Metals by EPA 6010C						
	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	Reported: 10/5/2023 10:56:01AM
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Cell 10 Vadose

E309193-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2339033	
Fluoride	ND	2.50	1	09/27/23	09/28/23	
Chloride	36.7	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	
Total Mercury by EPA 7471B	ug/kg	ug/kg	Analyst: JL		Batch: 2339067	
Mercury	ND	20.0	1	09/28/23	09/29/23	



Sample Data

TNT Environmental	Project Name:	TNT Landfarm	Reported:
PO Box 2530	Project Number:	17009-C-0001	10/5/2023 10:56:01AM
Farmington NM, 87499	Project Manager:	Clay Green	

Cell 11 Vadose

E309193-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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	94.2 %	70-130		09/26/23	09/27/23	
Nonhalogenated Organics by EPA 8015D - GRO	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	94.0 %	70-130		09/26/23	09/27/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Surrogate: n-Nonane	101 %	50-200		09/26/23	09/27/23	
Total Metals by EPA 6010C	mg/kg	mg/kg	Analyst: JL			Batch: 2339057
Arsenic	0.593	0.500	1	09/28/23	10/03/23	
Barium	212	6.25	1	09/28/23	10/03/23	
Cadmium	1.91	0.250	1	09/28/23	10/03/23	
Chromium	23.2	0.500	1	09/28/23	10/03/23	
Calcium	5130	25.0	1	09/28/23	10/03/23	
Lead	6.01	0.250	1	09/28/23	10/03/23	
Iron	32400	500	10	09/28/23	10/04/23	
Magnesium	4720	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	2040	25.0	1	09/28/23	10/03/23	
Sodium	302	50.0	1	09/28/23	10/03/23	



Sample Data

TNT Environmental	Project Name:	TNT Landfarm	
PO Box 2530	Project Number:	17009-C-0001	Reported:
Farmington NM, 87499	Project Manager:	Clay Green	10/5/2023 10:56:01AM

Cell 11 Vadose

E309193-11

Analyte	Result	Reporting		Dilution	Prepared	Analyzed	Notes
		Limit					
Anions by EPA 300.0/9056A	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		
Total Mercury by EPA 7471B	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	Reported: 10/5/2023 10:56:01AM
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Cell 12 Vadose

E309193-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	94.7 %	70-130		09/26/23	09/27/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	93.5 %	70-130		09/26/23	09/27/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Surrogate: n-Nonane	100 %	50-200		09/26/23	09/27/23	
Total Metals by EPA 6010C						
	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	Project Name:	TNT Landfarm	
PO Box 2530	Project Number:	17009-C-0001	Reported:
Farmington NM, 87499	Project Manager:	Clay Green	10/5/2023 10:56:01AM

Cell 12 Vadose

E309193-12

Analyte	Result	Reporting		Dilution	Prepared	Analyzed	Notes
		Limit					
Anions by EPA 300.0/9056A	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		
Total Mercury by EPA 7471B	ug/kg	ug/kg		Analyst: JL			Batch: 2339067
Mercury	ND	20.0	1	09/28/23	09/29/23		



Sample Data

TNT Environmental	Project Name:	TNT Landfarm	Reported:
PO Box 2530	Project Number:	17009-C-0001	10/5/2023 10:56:01AM
Farmington NM, 87499	Project Manager:	Clay Green	

Cell 13 Vadose

E309193-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	94.6 %	70-130		09/26/23	09/27/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Surrogate: n-Nonane	108 %	50-200		09/26/23	09/27/23	
Total Metals by EPA 6010C						
	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	Project Name:	TNT Landfarm	
PO Box 2530	Project Number:	17009-C-0001	Reported:
Farmington NM, 87499	Project Manager:	Clay Green	10/5/2023 10:56:01AM

Cell 13 Vadose

E309193-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	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	
Total Mercury by EPA 7471B	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	Reported: 10/5/2023 10:56:01AM
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Cell 14 Vadose

E309193-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatiles Organics by EPA 8021B						
	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	93.8 %	70-130		09/26/23	09/27/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	94.4 %	70-130		09/26/23	09/27/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Surrogate: n-Nonane	108 %	50-200		09/26/23	09/27/23	
Total Metals by EPA 6010C						
	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	Project Name:	TNT Landfarm	
PO Box 2530	Project Number:	17009-C-0001	Reported:
Farmington NM, 87499	Project Manager:	Clay Green	10/5/2023 10:56:01AM

Cell 14 Vadose

E309193-14

Analyte	Result	Reporting		Dilution	Prepared	Analyzed	Notes
		Limit					
Anions by EPA 300.0/9056A	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		
Total Mercury by EPA 7471B	ug/kg	ug/kg		Analyst: JL			Batch: 2339067
Mercury	ND	20.0	1	09/28/23	09/29/23		



QC Summary Data

TNT Environmental	Project Name:	TNT Landfarm	Reported:
PO Box 2530	Project Number:	17009-C-0001	
Farmington NM, 87499	Project Manager:	Clay Green	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
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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	Project Name:	TNT Landfarm	Reported:
PO Box 2530	Project Number:	17009-C-0001	
Farmington NM, 87499	Project Manager:	Clay Green	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
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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	Project Name:	TNT Landfarm	Reported:
PO Box 2530	Project Number:	17009-C-0001	
Farmington NM, 87499	Project Manager:	Clay Green	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
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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	Project Name:	TNT Landfarm	Reported:
PO Box 2530	Project Number:	17009-C-0001	
Farmington NM, 87499	Project Manager:	Clay Green	10/5/2023 10:56:01AM

Total Metals by EPA 6010C

Analyst: JL

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

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	Reported: 10/5/2023 10:56:01AM
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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
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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
Sulfate	334	20.0	250	91.0	97.3	80-120

M2

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
Sulfate	340	20.0	250	91.0	99.4	80-120	1.56	20

M2



QC Summary Data

TNT Environmental	Project Name:	TNT Landfarm	Reported:
PO Box 2530	Project Number:	17009-C-0001	
Farmington NM, 87499	Project Manager:	Clay Green	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
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Blank (2339067-BLK1)

Prepared: 09/28/23 Analyzed: 09/29/23

Mercury	ND	20.0
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LCS (2339067-BS1)

Prepared: 09/28/23 Analyzed: 09/29/23

Mercury	146	20.0	160	91.3	80-120
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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
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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
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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	
PO Box 2530	Project Number:	17009-C-0001	Reported:
Farmington NM, 87499	Project Manager:	Clay Green	10/05/23 10:56

- 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.

Chain of Custody

Page 1 of 2

Bill To Attention: <u>TNT Environmental</u> Address: _____ City, State, Zip _____ Phone: _____ Email: _____		Lab Use Only		TAT				EPA Program	
		Lab WO#	Job Number	1D	2D	3D	Standard	CWA	SDWA
		<u>E309193</u>	<u>17009C-0001</u>				<u>X</u>		
		Analysis and Method							RCRA
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	State
									NM CO UT AZ TX
									Remarks
Well 1 Vadose	1	X	X	X				X X	On Ice
Well 2 Vadose	2								
Well 3 Vadose	3								
Well 4 Vadose	4								
Well 5 Vadose	5								
Well 6 Vadose	6								
Well 7 Vadose	7								
Well 8 Vadose	8								
Well 9 Vadose	9								
Well 10 Vadose	10								

This sample. I am aware that tampering with or intentionally mislabeling the sample location, grounds for legal action.

Sampled by: Greg 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.

Time	Received by: (Signature)	Date	Time	Lab Use Only Received on ice: <u>Y</u> / N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
9:23 13:25	<u>Greg Green</u>	9-26-23	13:25	
Time	Received by: (Signature)	Date	Time	
Time	Received by: (Signature)	Date	Time	

0 - Other _____ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

as 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 by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.



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Chain of Custody

Page 2 of 2

Bill To		Lab Use Only								TAT				EPA Program		
		Lab WO#		Job Number		1D	2D	3D	Standard	CWA	SDWA					
Attention: <u>TNT Environmental</u>		<u>E309193</u>		<u>17009.C.0001</u>					<u>X</u>							
Address:		Analysis and Method								RCRA						
City, State, Zip																
Phone:																
Email:																
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	Cat / An	DCAS Heavy	State				
												NM	CO	UT	AZ	TX
												Remarks				
Well 11 Vadose		11	X	X	X					X	X	On ice				
Well 12 Vadose		12														
Well 13 Vadose		13														
Well 14 Vadose		14														

I am sample. I am aware that tampering with or intentionally mislabeling the sample location, grounds for legal action.

Sampled by: Ang Gravel

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.

Time		Received by: (Signature)		Date		Time		Lab Use Only	
<u>13:25</u>	<u>13:25</u>	<u>Caitlin Man</u>	<u>9:26:23</u>	<u>13:25</u>				Received on ice: <u>Y</u> / N	
								T1 _____ T2 _____ T3 _____	
								AVG Temp °C <u>4</u>	

Other: _____ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

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 by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.



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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
- 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 GreenComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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 286877

CONDITIONS

Operator: T-N-T ENVIRONMENTAL INC PO Box 2530 Farmington, NM 87499	OGRID: 22099
	Action Number: 286877
	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