



Account No. : 1985

Environmental Sample Analysis Report

**PEONE, ANGELINA
 ULSTER COUNTY RESOURCE RECOVERY AG
 P.O. BOX 6219
 KINGSTON NY 12402**

**Invoice No. : 1111018
 Date Received : 03/19/2019
 Date Reported : 03/20/2019**

Lab No. : 1397

Results For : UCRRRA ORGANICS RECOVERY FACILITY

Sample ID : FINISHED SCREENED COMPOST

Description :

	Analysis	EPA Method Number	Detection Limit
Arsenic As, mg/kg	6.25	3051A/6010C	0.01
Cadmium Cd, mg/kg	0.44	3051A/6010C	0.01
Copper Cu, mg/kg	53.08	3051A/6010C	0.01
Molybdenum Mo, mg/kg	4.42	3051A/6010C	0.01
Nickel Ni, mg/kg	14.52	3051A/6010C	0.01
Lead Pb, mg/kg	32.13	3051A/6010C	0.01
Selenium Se, mg/kg	< 0.01	3051A/6010C	0.01
Zinc Zn, mg/kg	95.30	3051A/6010C	0.01
Mercury Hg, mg/kg	0.031	7473	0.01

Microbiological Screening	Count	Method	Detection Limit
E Coli Bacteria, MPN of CFU/g	0.00	Colilert	
Fecal Bacteria, MPN of CFU/1g dry basis	52	Colilert	

"<" - Not Detected / Below Detection Limit



Account No. : 1985

JSCC-STA Compost (TMECC) Analysis Report

PEONE, ANGELINA
ULSTER COUNTY RESOURCE RECOVERY AG
P.O. BOX 6219
KINGSTON NY 12402

Invoice No. : 1111016
Date Received : 03/19/2019
Date Analyzed: 03/20/2019

Lab No. : 9369

Results For : UCRRA ORGANICS RECOVERY FACILITY

Sample ID : FINISHED SCREENED COMPOST

	Analysis Dry Basis	Analysis As Is Basis	Lbs / Ton		Available First Year
			Dry Basis	As Is Basis	
Organic N, % N	1.34	0.81	26.8	16.2	3.2
Ammonium, % N	0.031	0.0190	0.6	0.4	0.4
Nitrate, % N	< 0.001	0.0000	0.0	0.0	0.0
Total N (TKN), % N	1.37	0.83	27.4	16.6	3.6
Phosphorus, % P ₂ O ₅	0.86	0.52	17.3	10.5	7.3
Potassium, % K ₂ O	0.64	0.39	12.7	7.7	6.9
Sulfur, % S	0.32	0.19	6.3	3.8	1.5
Calcium, % Ca	8.65	5.24	173.0	104.8	73.4
Magnesium, % Mg	0.40	0.24	8.0	4.9	3.4
Sodium, % Na	0.21	0.13	4.3	2.6	2.6
Zinc, ppm Zn	105.0	63.6	0.2	0.1	0.1
Iron, ppm Fe	10005.2	6063.2	20.0	12.1	8.5
Manganese, ppm Mn	257.2	155.9	0.5	0.3	0.2
Copper, ppm Cu	44.4	26.9	0.1	0.0	0.1
Aluminum, ppm Al	1379.0	835.7	2.8	1.7	1.2
Boron, ppm B	23.6	14.3	0.0	0.0	0.0
Soluble Salts, (EC 1:5) dS/m		2.49			
pH		8.5			
Moisture, %	39.40				
Dry Matter (TS), %	60.60				
Ash, %	66.99	40.60			
Organic Matter LOI 550C, %	33.01	20.00			
Organic Carbon, %	19.14	11.60			
Organic C:N Ratio	14.0				
Bulk Density, lbs / cubic foot		42			
Human Inerts & Plastic Film, %		< 0.1			



Account No. : 1985

JSCC-STA Compost (TMECC) Analysis Report

PEONE, ANGELINA
ULSTER COUNTY RESOURCE RECOVERY AG
P.O. BOX 6219
KINGSTON NY 12402

Invoice No. : 1111016
Date Received : 03/19/2019
Date Analyzed: 03/20/2019

Lab No. : 9369

Results For : UCRRR ORGANICS RECOVERY FACILITY

Sample ID : FINISHED SCREENED COMPOST

	Analysis Dry Basis	Analysis As Is Basis	Lbs / Ton		Available First Year
			Dry Basis	As Is Basis	
STA 503 H.Metal Screen	Pass				
STA Pathogen Screen		Pass			
Respiration mg CO ₂ -C/g OM/day	1.4				
Compost Respiration Stability Index		Very Stable			
Respiration mg CO ₂ -C/g TS/day	0.8				
Compost Respiration Stability Index		Very Stable			
Maturity Indicator by Germination					
Emergence %		100			
Maturity		Very Mature			
Seedling Vigor %		91			
Maturity		Very Mature			

"<" - Not Detected / Below Detection Limit

Particle Size Distribution	Sieve Size	Fraction Retained (%)	Total Passing (%)
	25 mm	0.0	100.0
	No.10 (2 mm)	68.1	31.9
	No.18 (1 mm)	21.5	10.4
	No.35 (500 µm)	7.0	3.4
	No.60 (250 µm)	2.2	1.2
	No.140 (106 µm)	0.9	0.3
	No.270 (53 µm)	0.3	0.0
	Pan	0.1	0.0

Note: The available first year Ammonium-N is calculated based on maximum availability, or incorporation within 24 hours. Advise a nutrient consultant for adjustments beyond 24 hr incorporation.