



Account No. : 1985

**Environmental Sample Analysis Report**

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

**Invoice No. : 1116564  
 Date Received : 12/17/2019  
 Date Reported : 12/18/2019**

**Lab No. : 1735**

**Results For : ULSTER COUNTY RESOURCE RECOVERY AGENCY**

**Sample ID : FINISHED SCREENED COMPOST PILE**

**Description :**

**Analysis**

	<b>Solid: Dry Wgt Liquid: As Rcvd</b>	<b>EPA Method Number</b>	<b>Lab. Tech.</b>	<b>Detection Limit</b>
Arsenic As, mg/kg	7.34	3050B/6010C	L.D.S	0.01
Cadmium Cd, mg/kg	0.62	3050B/6010C	L.D.S	0.01
Chromium Cr, mg/kg	15.28	3050B/6010C	L.D.S	0.01
Copper Cu, mg/kg	35.57	3050B/6010C	L.D.S	0.01
Molybdenum Mo, mg/kg	1.72	3050B/6010C	L.D.S	0.01
Nickel Ni, mg/kg	15.16	3050B/6010C	L.D.S	0.01
Lead Pb, mg/kg	34.03	3050B/6010C	L.D.S	0.01
Selenium Se, mg/kg	< 0.01	3050B/6010C	L.D.S	0.01
Zinc Zn, mg/kg	202.20	3050B/6010C	L.D.S	0.01
Mercury Hg, mg/kg	0.034	7473	L.D.S	0.01

**Microbiological Screening**

	<b>Count</b>	<b>Method</b>	<b>Detection Limit</b>
E Coli Bacteria, MPN of CFU/g	3434.28	Colilert	1 CFU/g
Fecal Bacteria, MPN of CFU/1g dry basis	3434	Colilert-18	1 CFU/g

"<" - Not Detected / Below Detection Limit



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JSCC-STA Compost (TMECC) Analysis Report

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

**Invoice No. : 1116566  
Date Received : 12/17/2019  
Date Analyzed: 12/18/2019**

**Lab No. : 10329**

Results For : ULSTER COUNTY RESOURCE RECOVERY AGENCY

Sample ID : FINISHED SCREENED COMPOST PILE

	Analysis Dry Basis	Analysis As Is Basis	Lbs / Ton		Available First Year
			Dry Basis	As Is Basis	
Organic N, % N	1.38	0.71	27.6	14.2	3.6
Ammonium, % N	0.020	0.0100	0.4	0.2	0.2
Nitrate, % N	< 0.001	0.0000	0.0	0.0	0.0
Total N, % N	1.40	0.72	28.0	14.5	3.8
Phosphorus, % P <sub>2</sub> O <sub>5</sub>	0.72	0.37	14.4	7.4	5.2
Potassium, % K <sub>2</sub> O	0.67	0.35	13.5	6.9	6.3
Sulfur, % S	0.25	0.13	4.9	2.5	1.0
Calcium, % Ca	5.86	3.02	117.1	60.5	42.3
Magnesium, % Mg	0.37	0.19	7.5	3.9	2.7
Sodium, % Na	0.23	0.12	4.7	2.4	2.4
Zinc, ppm Zn	175.5	90.6	0.4	0.2	0.1
Iron, ppm Fe	12014.8	6202.0	24.0	12.4	8.7
Manganese, ppm Mn	282.8	146.0	0.6	0.3	0.2
Copper, ppm Cu	33.0	17.0	0.1	0.0	0.0
Aluminum, ppm Al	1638.0	845.5	3.3	1.7	1.2
Boron, ppm B	22.3	11.5	0.0	0.0	0.0
Soluble Salts, (EC 1:5) dS/m		1.00			
pH		6.7			
Moisture, %	48.38				
Dry Matter (TS), %	51.62				
Ash, %	56.99	29.42			
Organic Matter LOI 550C, %	43.01	22.20			
Organic Carbon, %	24.95	12.88			
Organic C:N Ratio	17.8				
Bulk Density, lbs / cubic foot		37			
Human Inerts & Plastic Film, %		< 0.1			



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	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		Fail			
Respiration mg CO <sub>2</sub> -C/g OM/day	1.2				
Compost Respiration Stability Index		Very Stable			
Respiration mg CO <sub>2</sub> -C/g TS/day	1.0				
Compost Respiration Stability Index		Very Stable			
Maturity Indicator by Germination					
Emergence %		0			
Maturity		Immature			
Seedling Vigor %		0			
Maturity		Immature			

"<" - Not Detected / Below Detection Limit

Particle Size Distribution	Sieve Size	Fraction Retained (%)	Total Passing (%)
	25 mm	0.0	100.0
	No.10 (2 mm)	78.3	21.7
	No.18 (1 mm)	15.1	6.6
	No.35 (500 µm)	4.9	1.7
	No.60 (250 µm)	1.3	0.4
	No.140 (106 µm)	0.3	0.1
	No.270 (53 µm)	0.0	0.1
	Pan	0.0	0.0

Based on odor, volatile organics appears to be the cause of emergence and vigor challenge. WRR

**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.