



Analysis Report for Use of Biosolids on Cropland

<p>Jason Brown University Area Joint Auth 1576 Spring Valley Rd State College PA 16801</p>	<p>Lab Sample ID: E19324 Date Received: 12/10/2018 Date Sampled: 12/10/2018 Report Date: 12/21/2018 Sample type: Grab County: Centre Customer Sample ID: Compost</p>
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RESULTS

pH	Solids	Volatile	Tot-N	Org-N	NH ₄ N	P	K	Mg	Ca	Na	Fe	Al
@ 21.9 C	— % —					% (dry weight basis)						
6.3	72.67	67.29	2.95	2.41	0.54	1.31	0.41	0.33	3.07	0.05	0.44	1.22
Mn	As	Cd	Cr	Cu	Pb	Hg	Mo	Ni	Se	Zn	PCB ¹	Reactive ¹ CN
mg/kg (dry weight basis)												
182.7	< 2.22	< 0.74	10.9	230.3	9.4	0.42	4.2	10.7	< 3.71	254.4	< .01	< 1.4

NR-Not Requested One dry ton of this material is equivalent to 330 gallons of wet material or 1.4 tons of wet material

PRIMARY NUTRIENT CONTENT

% (dry wt basis)			
Total N	2.95	1.69	dry tons of this biosolid will supply 100 lbs of total N.
P ₂ O ₅	3.01	3.80	dry tons of this biosolid will supply 100 lbs of P
K ₂ O	0.49		

ANALYSIS INFORMATION FOR EPA 503 POLLUTANTS

Analyte	EPA SW-846 Method	Analyst	Date	Time
Cd,Cu,Mo,Pb,Ni, Zn	3050B + 6010	Stecko	12/13/2018	12:05:34
As	3050B + 6010	Stecko	12/13/2018	12:05:34
Se	3050B + 6010	Stecko	12/13/2018	12:05:34
Hg	7473	Green	12/11/2018	2:24:58 PM
PCB ¹	8082			

¹Subcontracted to Fairway Laboratories, Inc. (ID 7-00062)

RAW LABORATORY BENCH DATA FOR EPA 503 POLLUTANTS

	As	Cd	Cu	Hg	Mo	Ni	Pb	Se	Zn
Wet Wt. aliquot (g)	0.464	0.464	0.464	0.294	0.464	0.464	0.464	0.464	0.464
Analyte conc. in sample/digest (mg/L except Hg)	0.012	0.003	1.553	0.089 ug	0.028	0.072	0.064	0.012	1.715
Method limit (mg/L except Hg)	0.015	0.005	0.015	0.0010 ug	0.015	0.010	0.025	0.025	0.050

Optional Analyses: Results (except soluble salts) on dry weight basis						Sample Receipt
Nitrate-N (mg/kg)	Total Carbon (%)	CCE Calcium Carbonate Equivalent (%)	Soluble Salts (mmhos/cm)	Other:	Ba = 123.39 mg/kg	Hand-delivered after sampling
< 0.55	37.6		3.01			

**EPA REGULATIONS FOR LAND APPLICATION OF BIOSOLIDS (40 CFR Part 503) and
DEP GUIDELINES FOR USE OF BIOSOLIDS FOR AGRICULTURAL UTILIZATION**

