



COMPOST ANALYSIS PROFICIENCY PROGRAM REPORT: 2nd Round 2008

October 24, 2008

Tier I Analysis	No.	Min	Max	Median	95% CI	R _d (%)	Rep 1	Rep 2	Rep 3	R _p (%)	Mean ¹
Solids, LOI and CEC											
Moisture Content % w/w basis											
SRC-2008-D (0810, 0811, 0812)	45	17.8	22.1	19.3	± 1.56	2.1					
SRC-2008-E (0813, 0814, 0815)	45	36.2	41.0	38.4	± 1.92	1.5					
SRC-2008-F (0816, 0817, 0818)	45	40.3	46.5	42.8	± 2.10	0.9					
Total Solids % Dried at 105 for 2.5 hr											
SRC-2008-D (0810, 0811, 0812)	48	77.9	82.2	80.7	± 1.47	0.54					
SRC-2008-E (0813, 0814, 0815)	48	59.0	64.3	61.8	± 2.20	0.96					
SRC-2008-F (0816, 0817, 0818)	48	53.5	59.9	57.3	± 2.13	0.76					
Loss-On-Ignition 05.07-A (% w/w)											
SRC-2008-D (0810, 0811, 0812)	45	25.4	36.8	30.2	± 5.36	3.7					
SRC-2008-E (0813, 0814, 0815)	45	34.5	54.9	49.1	± 9.08	2.1					
SRC-2008-F (0816, 0817, 0818)	45	40.0	56.7	50.8	± 5.51	2.7					
Cation Exchange Capacity (cmol kg⁻¹)											
SRC-2008-D (0810, 0811, 0812)	9	25.1	55.9	35.4	± 27.42	4.1					
SRC-2008-E (0813, 0814, 0815)	9	26.1	96.8	37.8	± 22.57	7.2					
SRC-2008-F (0816, 0817, 0818)	9	34.7	170.0	46.7	± 21.46	8.8					
Saturated Paste Constituents											
pH (Unit)											
SRC-2008-D (0810, 0811, 0812)	12	6.9	8.2	7.89	± 0.78	4.1					
SRC-2008-E (0813, 0814, 0815)	12	7.4	7.9	7.62	± 0.12	7.2					
SRC-2008-F (0816, 0817, 0818)	12	7.4	8.1	7.57	± 0.28	8.8					
EC (dS/m)											
SRC-2008-D (0810, 0811, 0812)	15	10.1	36.5	27.6	± 8.1	0.1					
SRC-2008-E (0813, 0814, 0815)	15	3.7	10.7	9.0	± 1.7	0.7					
SRC-2008-F (0816, 0817, 0818)	15	8.9	26.4	23.8	± 4.9	1.4					

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							Rep 1	Rep 2	Rep 3	
Extractable Constituents (1:5) dry basis										
pH_{1:5} 04.11-A (Unit)										
SRC-2008-D (0810, 0811, 0812)	39	7.3	8.9	8.49	± 0.78	0.5				
SRC-2008-E (0813, 0814, 0815)	39	7.5	8.6	8.11	± 0.58	0.79				
SRC-2008-F (0816, 0817, 0818)	39	7.1	8.6	8.02	± 0.87	0.86				
EC_{1:5} 04.10-A (dS/m)										
SRC-2008-D (0810, 0811, 0812)	36	1.2	55.6	9.5	± 7.0	4.8				
SRC-2008-E (0813, 0814, 0815)	36	0.5	26.7	4.2	± 2.7	2.2				
SRC-2008-F (0816, 0817, 0818)	36	1.9	69.4	11.3	± 12.4	2.3				
Ca_{1:5} (mg/L)										
SRC-2008-D (0810, 0811, 0812)	15	21.2	455.0	109	± 222	12.1				
SRC-2008-E (0813, 0814, 0815)	15	6.3	331.0	52	± 126	10.5				
SRC-2008-F (0816, 0817, 0818)	15	5.3	155.6	39	± 94	3.6				
Mg_{1:5} (mg/L)										
SRC-2008-D (0810, 0811, 0812)	15	4.5	255.7	20.4	± 45.6	6.3				
SRC-2008-E (0813, 0814, 0815)	15	1.9	83.0	14.5	± 36.4	6.5				
SRC-2008-F (0816, 0817, 0818)	15	3.6	119.0	21.0	± 47.9	7.3				
Na_{1:5} (mg/L)										
SRC-2008-D (0810, 0811, 0812)	15	48.9	855.0	327	± 802	7.1				
SRC-2008-E (0813, 0814, 0815)	15	18.1	325.4	156	± 399	3.5				
SRC-2008-F (0816, 0817, 0818)	15	8.1	163.0	93	± 146	4.3				
PO₄-P_{1:5} (mg/L)										
SRC-2008-D (0810, 0811, 0812)	15	14.5	238.1	124	± 305	9.4				
SRC-2008-E (0813, 0814, 0815)	15	9.0	351.7	86	± 224	6.3				
SRC-2008-F (0816, 0817, 0818)	15	2.4	102.6	22	± 34	6.3				
Cl_{1:5} (mg/L)										
SRC-2008-D (0810, 0811, 0812)	21	1064.0	1757.1	1465	± 539	6.4				
SRC-2008-E (0813, 0814, 0815)	21	395.0	808.0	637	± 477	2.7				
SRC-2008-F (0816, 0817, 0818)	21	957.0	2133.5	1620	± 1317	2.4				

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Tier I Analysis	No.	Min	Max	Median	95% CI	R _d (%)	Rep 1	Rep 2	Rep 3	R _p (%)	Mean ¹
SO₄-S_{1:5} (mg/L)											
SRC-2008-D (0810, 0811, 0812)	21	265.0	1268.0	734	± 660	6.9					
SRC-2008-E (0813, 0814, 0815)	21	42.0	161.0	109	± 124	5.9					
SRC-2008-F (0816, 0817, 0818)	21	483.0	4038.6	1233	± 878	6.0					
NO₃-N_{1:5} (mg/L)											
SRC-2008-D (0810, 0811, 0812)	18	1.3	18.9	11.7	± 8.6	13.2					
SRC-2008-E (0813, 0814, 0815)	18	0.1	48.0	8.4	± 19.8	27.2					
SRC-2008-F (0816, 0817, 0818)	15	0.3	18.3	5.8	± 13.9	10.7					
NH₄-N_{1:5} (mg/L)											
SRC-2008-D (0810, 0811, 0812)	21	142.0	1512	239	± 136	2.9					
SRC-2008-E (0813, 0814, 0815)	18	0.1	202	18.7	± 12.18	27.4					
SRC-2008-F (0816, 0817, 0818)	18	0.1	63	14.5	± 19.87	19.0					
Carbon, Nitrogen & Sulfur dry basis											
TKN - 04.02-A (% w/w)											
SRC-2008-D (0810, 0811, 0812)	12	1.9	2.5	2.15	± 0.38	3.2					
SRC-2008-E (0813, 0814, 0815)	12	1.0	1.9	1.53	± 0.67	3.0					
SRC-2008-F (0816, 0817, 0818)	12	0.9	1.8	1.46	± 0.66	3.0					
N - Combustion 04.02-D (% w/w)											
SRC-2008-D (0810, 0811, 0812)	45	1.7	2.6	2.30	± 0.31	2.4					
SRC-2008-E (0813, 0814, 0815)	45	1.0	1.9	1.65	± 0.23	4.6					
SRC-2008-F (0816, 0817, 0818)	45	1.0	1.9	1.59	± 0.24	1.8					
TOC 04.01-A (% w/w)											
SRC-2008-D (0810, 0811, 0812)	39	11.0	21.7	15.9	± 6.0	3.5					
SRC-2008-E (0813, 0814, 0815)	39	15.3	35.7	24.6	± 5.9	4.5					
SRC-2008-F (0816, 0817, 0818)	39	15.3	32.8	25.7	± 5.0	2.4					
C:N 05.02-A (Ratio)											
SRC-2008-D (0810, 0811, 0812)	39	6.0	9.9	7.0	± 1.3	3.9					
SRC-2008-E (0813, 0814, 0815)	39	10.3	31.3	15.0	± 2.9	4.6					
SRC-2008-F (0816, 0817, 0818)	39	13.0	30.1	16.2	± 2.3	3.1					

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Tier I Analysis	No.	Min	Max	Median	95% CI	R _d (%)				Mean ¹
							Rep 1	Rep 2	Rep 3	
CCE- Analysis (% w/w)										
SRC-2008-D (0810, 0811, 0812)	6	0.0	5.0	2.5	± 7.12	46.9				
SRC-2008-E (0813, 0814, 0815)	6	2.4	8.3	5.0	± 7.51	7.9				
SRC-2008-F (0816, 0817, 0818)	6	1.9	8.0	5.0	± 8.78	0.8				
S - Combustion (% w/w)										
SRC-2008-D (0810, 0811, 0812)	18	0.4	0.6	0.49	± 0.15	4.0				
SRC-2008-E (0813, 0814, 0815)	18	0.3	0.5	0.35	± 0.11	2.2				
SRC-2008-F (0816, 0817, 0818)	18	0.3	1.4	1.16	± 0.20	2.6				
C:S 05.02-A (Ratio)										
SRC-2008-D (0810, 0811, 0812)	15	4.7	54.4	29.1	± 20.89	4.5				
SRC-2008-E (0813, 0814, 0815)	15	50.0	119.3	69.4	± 16.88	2.2				
SRC-2008-F (0816, 0817, 0818)	15	21.0	36.8	22.2	± 2.65	2.3				
NO₃-N 04.02-B (mg/kg)										
SRC-2008-D (0810, 0811, 0812)	24	13.9	474.0	80.0	± 47.43	7.7				
SRC-2008-E (0813, 0814, 0815)	24	1.8	277.0	78.0	± 215.53	14.8				
SRC-2008-F (0816, 0817, 0818)	24	0.5	133.0	2.1	± 4.57	14.3				
NH₄-N 04.02-C (mg/kg)										
SRC-2008-D (0810, 0811, 0812)	24	352.0	3560.0	1632	± 2570	7.6				
SRC-2008-E (0813, 0814, 0815)	24	24.4	232.0	61.7	± 96.61	9.2				
SRC-2008-F (0816, 0817, 0818)	24	10.0	214.8	31.0	± 45.33	11.0				
NH₄-N / NO₃-N Ratio										
SRC-2008-D (0810, 0811, 0812)	24	0.0	1.3	0.7	± 1.14	8.8				
SRC-2008-E (0813, 0814, 0815)	24	0.0	0.1	0.02	± 0.03	19.4				
SRC-2008-F (0816, 0817, 0818)	24	0.0	0.1	0.03	± 0.06	18.1				

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Tier I Analysis	No.	Min	Max	Median	95% CI	R _d (%)	Rep 1	Rep 2	Rep 3	R _p (%)	Mean ¹
Total Analysis (Digestion 04.12-B) dry basis											
Al 04.07-Ag (mg/kg)											
SRC-2008-D (0810, 0811, 0812)	36	1116.0	5398.7	2700	± 1496	4.7					
SRC-2008-E (0813, 0814, 0815)	36	633.0	3984.8	1782	± 1186	5.6					
SRC-2008-F (0816, 0817, 0818)	36	1784.1	8680.0	4750	± 6074	5.8					
Ag 04.07-Ag (mg/kg)											
SRC-2008-D (0810, 0811, 0812)	0	0.0	0.0	-	± -	-					
SRC-2008-E (0813, 0814, 0815)	0	0.0	0.0	-	± -	-					
SRC-2008-F (0816, 0817, 0818)	0	0.0	0.0	-	± -	-					
B 04.05-B (mg/kg)											
SRC-2008-D (0810, 0811, 0812)	42	17.3	55.0	39.4	± 19.9	2.6					
SRC-2008-E (0813, 0814, 0815)	42	13.9	53.0	33.0	± 17.5	4.8					
SRC-2008-F (0816, 0817, 0818)	42	25.7	67.9	53.7	± 27.6	6.3					
Ba 04.07-Ba (mg/kg)											
SRC-2008-D (0810, 0811, 0812)	18	37.0	59.7	52.9	± 11.7	6.5					
SRC-2008-E (0813, 0814, 0815)	18	34.7	61.4	55.1	± 11.9	11.0					
SRC-2008-F (0816, 0817, 0818)	18	36.5	74.4	59.3	± 24.5	11.8					
Be 04.06-Be (mg/kg)											
SRC-2008-D (0810, 0811, 0812)	6	0.2	0.2	0.18	± 0.02	6.5					
SRC-2008-E (0813, 0814, 0815)	6	0.1	0.2	0.15	± 0.02	11.0					
SRC-2008-F (0816, 0817, 0818)	6	0.2	0.3	0.22	± 0.07	11.8					
Ca 04.05-Ca (%)											
SRC-2008-D (0810, 0811, 0812)	51	2.6	16064	3.57	± 0.58	2.6					
SRC-2008-E (0813, 0814, 0815)	51	2.2	21939	4.70	± 1.04	4.6					
SRC-2008-F (0816, 0817, 0818)	51	1.2	10642	2.42	± 0.39	4.0					
Cd 04.06-Cd (mg/kg)											
SRC-2008-D (0810, 0811, 0812)	19	0.1	1.2	0.33	± 0.54	4.6					
SRC-2008-E (0813, 0814, 0815)	22	0.1	1.4	0.60	± 0.87	4.9					
SRC-2008-F (0816, 0817, 0818)	21	0.0	2.0	0.41	± 0.90	15.2					

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								Rep 1	Rep 2	Rep 3		
Co	04.06-Cu (mg/kg)											
	SRC-2008-D (0810, 0811, 0812)	21	0.2	3.0	1.50	± 0.58	8.3					
	SRC-2008-E (0813, 0814, 0815)	21	0.0	2.1	1.20	± 1.04	5.6					
	SRC-2008-F (0816, 0817, 0818)	21	0.0	2.1	1.30	± 1.02	4.2					
Cr	04.06-Cr (mg/kg)											
	SRC-2008-D (0810, 0811, 0812)	27	5.0	23.0	7.0	± 2.9	5.2					
	SRC-2008-E (0813, 0814, 0815)	27	10.4	52.0	17.9	± 6.2	7.1					
	SRC-2008-F (0816, 0817, 0818)	27	3.1	14.0	4.4	± 1.7	6.1					
Cs	04.06-Cs (mg/kg)											
	SRC-2008-D (0810, 0811, 0812)	3	0.3	0.3	0.33	± 0.01	6.0					
	SRC-2008-E (0813, 0814, 0815)	3	0.3	0.3	0.27	± 0.02	4.2					
	SRC-2008-F (0816, 0817, 0818)	3	0.5	0.6	0.00	± 0.00	11.1					
Cu	04.06-Cu (mg/kg)											
	SRC-2008-D (0810, 0811, 0812)	51	246.9	678.1	474	± 73	2.4					
	SRC-2008-E (0813, 0814, 0815)	51	24.4	61.4	39.8	± 16.70	5.8					
	SRC-2008-F (0816, 0817, 0818)	51	4.1	26.1	9.0	± 4.32	8.0					
Fe	04.05-Fe (mg/kg)											
	SRC-2008-D (0810, 0811, 0812)	45	3054.4	7222.4	4863	± 747	3.8					
	SRC-2008-E (0813, 0814, 0815)	45	1466.1	6810.0	3645	± 3205	5.8					
	SRC-2008-F (0816, 0817, 0818)	45	1378.4	5864.9	4020	± 2088	5.6					
K	04.04-K (%)											
	SRC-2008-D (0810, 0811, 0812)	51	1.6	10752.4	2.1	± 0.41	3.3					
	SRC-2008-E (0813, 0814, 0815)	51	0.9	7213.9	1.4	± 0.29	2.4					
	SRC-2008-F (0816, 0817, 0818)	51	2.3	20492.1	4.2	± 0.61	1.7					
Li	04.04 (mg/kg)											
	SRC-2008-D (0810, 0811, 0812)	9	2.7	32.8	3.7	± 2.70	3.6					
	SRC-2008-E (0813, 0814, 0815)	9	2.1	35.2	3.0	± 1.71	8.3					
	SRC-2008-F (0816, 0817, 0818)	9	5.9	35.6	7.9	± 4.96	8.9					

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Mg	04.05-Mg (%)											
	SRC-2008-D (0810, 0811, 0812)	51	0.5	2969	0.64	± 0.12	2.5					
	SRC-2008-E (0813, 0814, 0815)	51	0.3	2186	0.45	± 0.12	2.6					
	SRC-2008-F (0816, 0817, 0818)	51	0.3	2870	0.58	± 0.10	1.6					
Mn	04.06-Mn (mg/kg)											
	SRC-2008-D (0810, 0811, 0812)	48	287.3	759	583	± 117	2.6					
	SRC-2008-E (0813, 0814, 0815)	48	170.4	436	350	± 74	2.9					
	SRC-2008-F (0816, 0817, 0818)	48	47.3	136	95	± 25	3.7					
Mo	0.406-Mo (mg/kg)											
	SRC-2008-D (0810, 0811, 0812)	33	0.2	6.7	3.6	± 1.45	8.0					
	SRC-2008-E (0813, 0814, 0815)	33	0.2	8.7	3.6	± 2.78	14.7					
	SRC-2008-F (0816, 0817, 0818)	29	0.0	14.6	0.7	± 0.71	9.5			6.50		
Na	04.05-Na (%)											
	SRC-2008-D (0810, 0811, 0812)	45	0.4	2704	0.55	± 0.15	4.5					
	SRC-2008-E (0813, 0814, 0815)	45	0.2	1319	0.29	± 0.07	4.0					
	SRC-2008-F (0816, 0817, 0818)	45	0.1	503	0.11	± 0.04	5.1					
Ni	04.06-Ni (mg/kg)											
	SRC-2008-D (0810, 0811, 0812)	30	6.6	17.0	10.5	± 4.59	4.3					
	SRC-2008-E (0813, 0814, 0815)	30	5.8	20.0	8.2	± 3.75	7.4					
	SRC-2008-F (0816, 0817, 0818)	30	0.8	16.5	3.8	± 1.98	5.3					
P	04.03 (%)											
	SRC-2008-D (0810, 0811, 0812)	48	1.5	8522	2.19	± 0.29	2.1					
	SRC-2008-E (0813, 0814, 0815)	48	0.8	5521	1.39	± 0.26	2.5					
	SRC-2008-F (0816, 0817, 0818)	48	0.1	1188	0.29	± 0.03	2.1					
Pb	04.06-Pb (mg/kg)											
	SRC-2008-D (0810, 0811, 0812)	24	1.6	24.5	3.8	± 3.94	5.1					
	SRC-2008-E (0813, 0814, 0815)	24	2.3	19.5	5.0	± 4.38	4.4					
	SRC-2008-F (0816, 0817, 0818)	22	0.8	18.7	3.0	± 3.14	3.2					

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							Rep 1	Rep 2	Rep 3		
Sb 04.07-Sb (mg/kg)											
SRC-2008-D (0810, 0811, 0812)	3	0.1	0.2	0.16	± 0.09	11.8					
SRC-2008-E (0813, 0814, 0815)	3	0.2	0.4	0.26	± 0.11	17.9					
SRC-2008-F (0816, 0817, 0818)	3	0.1	0.1	0.09	± 0.03	13.9					
Sr 04.06-Sr (mg/kg)											
SRC-2008-D (0810, 0811, 0812)	18	31	67	54.7	± 7.3	3.9					
SRC-2008-E (0813, 0814, 0815)	18	47	134	91.7	± 23.2	4.8					
SRC-2008-F (0816, 0817, 0818)	18	209	642	434	± 111	5					
V 04.06-V (mg/kg)											
SRC-2008-D (0810, 0811, 0812)	18	7.0	11.2	8.2	± 2.81	6.4					
SRC-2008-E (0813, 0814, 0815)	18	4.0	7.3	5.3	± 2.02	8.3					
SRC-2008-F (0816, 0817, 0818)	18	5.2	10.7	7.1	± 2.35	9.3					
Zn 04.06-Zn (mg/kg)											
SRC-2008-D (0810, 0811, 0812)	51	263	720	526	± 147	2.6					
SRC-2008-E (0813, 0814, 0815)	51	264	745	549	± 113	3.1					
SRC-2008-F (0816, 0817, 0818)	51	18	53	31.0	± 11.6	5.7					
As 04.06-As (ug/kg)											
SRC-2008-D (0810, 0811, 0812)	24	0.7	8.8	1.2	± 0.93	3.9					
SRC-2008-E (0813, 0814, 0815)	24	2.1	10.8	3.2	± 2.30	18.9					
SRC-2008-F (0816, 0817, 0818)	24	1.0	14.1	2.0	± 1.35	5.2					
Hg 04.06-Hg (ug/kg)											
SRC-2008-D (0810, 0811, 0812)	12	0.0	0.0	0.005	± 0.011	7.5					
SRC-2008-E (0813, 0814, 0815)	12	0.0	0.0	0.014	± 0.028	5.4					
SRC-2008-F (0816, 0817, 0818)	12	0.0	0.0	0.008	± 0.018	6.8					
Se 04.06-Se (ug/kg)											
SRC-2008-D (0810, 0811, 0812)	21	1.2	10.6	1.83	± 1.25	5.8					
SRC-2008-E (0813, 0814, 0815)	21	0.6	11.6	1.10	± 1.09	5.1					
SRC-2008-F (0816, 0817, 0818)	21	0.9	11.4	2.27	± 3.51	6.0					

¹ Mean reported lab value, flagged exceeding warning Limits *** based on 95% CI of the Median.



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Tier I Analysis	No.	Min	Max	Median	95% CI	R _d (%)	Rep 1	Rep 2	Rep 3	R _p (%)	Mean ¹
Inert Contents											
Sieve Size Classification (% > 9.5 mm)											
SRC-2008-D (0810, 0811, 0812)	21	0.0	0.0	0.0	± 0.00	38.1					
SRC-2008-E (0813, 0814, 0815)	21	0.0	0.0	0.0	± 0.00	34.7					
SRC-2008-F (0816, 0817, 0818)	21	0.0	0.3	0.0	± 0.00	53.5					
Inert Content - Hard Plastics (%)											
SRC-2008-D (0810, 0811, 0812)	12	0.0	0.0	0.0	± 0.00	-					
SRC-2008-E (0813, 0814, 0815)	12	0.0	0.0	0.0	± 0.00	-					
SRC-2008-F (0816, 0817, 0818)	12	0.0	0.0	0.0	± 0.00	-					
Inert Content - Film Plastics (%)											
SRC-2008-D (0810, 0811, 0812)	12	0.0	0.0	0.0	± 0.00	-					
SRC-2008-E (0813, 0814, 0815)	12	0.0	0.0	0.0	± 0.00	-					
SRC-2008-F (0816, 0817, 0818)	12	0.0	0.0	0.0	± 0.00	-					
Inert Content - Metals (%)											
SRC-2008-D (0810, 0811, 0812)	12	0.0	0.0	0.0	± 0.00	-					
SRC-2008-E (0813, 0814, 0815)	12	0.0	0.0	0.0	± 0.00	-					
SRC-2008-F (0816, 0817, 0818)	12	0.0	0.0	0.0	± 0.00	-					
Inert Content - Glass (%)											
SRC-2008-D (0810, 0811, 0812)	12	0.0	0.0	0.0	± 0.00	-					
SRC-2008-E (0813, 0814, 0815)	12	0.0	0.0	0.0	± 0.00	-					
SRC-2008-F (0816, 0817, 0818)	12	0.0	0.0	0.0	± 0.00	-					
Inert Content - Wood (%)											
SRC-2008-D (0810, 0811, 0812)	12	0.0	0.0	0.0	± 0.00	-					
SRC-2008-E (0813, 0814, 0815)	12	0.0	0.0	0.0	± 0.00	-					
SRC-2008-F (0816, 0817, 0818)	12	0.0	0.0	0.0	± 0.00	-					

¹ Mean reported lab value, flagged exceeding warning Limits "*" based on 95% CI of the Median.



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Tier I Analysis	No.	Min	Max	Median	95% CI	R _d (%)				R _p (%)	Mean ¹
							Rep 1	Rep 2	Rep 3		
Seedling Emergence & Growth											
Cucumber Seedling Emergence (%)											
SRC-2008-D (0810, 0811, 0812)	21	0.0	100.0	0.0	± 10.0	2.5					
SRC-2008-E (0813, 0814, 0815)	21	92.0	100.0	100.0	± 10.0	3.5					
SRC-2008-F (0816, 0817, 0818)	21	62.0	100.0	91.0	± 26.1	5.0					
Positive Control Emergence (%)											
SRC-2008-D (0810, 0811, 0812)	21	10.0	100.0	100.0	± 10.0	4.5					
SRC-2008-E (0813, 0814, 0815)	21	83.0	100.0	100.0	± 10.0	4.0					
SRC-2008-F (0816, 0817, 0818)	21	83.0	100.0	100.0	± 10.0	3.5					
Negative Control Emergence (%)											
SRC-2008-D (0810, 0811, 0812)	15	94.0	100.0	100.0	± 10.0	3.0					
SRC-2008-E (0813, 0814, 0815)	15	94.0	100.0	100.0	± 10.0	3.0					
SRC-2008-F (0816, 0817, 0818)	15	100.0	100.0	100.0	± 10.0	3.0					
Seedling Vigor (%)											
SRC-2008-D (0810, 0811, 0812)	15	0.0	0.0	0.0	± 0.0	2.2					
SRC-2008-E (0813, 0814, 0815)	15	0.0	100.0	90.0	± 29.0	1.3					
SRC-2008-F (0816, 0817, 0818)	15	0.0	90.0	5.6	± 16.2	3.5					
Negative Control Vigor (%)											
SRC-2008-D (0810, 0811, 0812)	15	0.0	100.0	21.0	± 60.9	-					
SRC-2008-E (0813, 0814, 0815)	15	0.0	100.0	58.0	± 121.8	-					
SRC-2008-F (0816, 0817, 0818)	15	0.0	100.0	83.0	± 49.3	-					
Relative Germination Rate (%)											
SRC-2008-D (0810, 0811, 0812)	0	0.0	0.0	-	± -	-					
SRC-2008-E (0813, 0814, 0815)	0	0.0	0.0	-	± -	-					
SRC-2008-F (0816, 0817, 0818)	0	0.0	0.0	-	± -	-					
Relative Root Elongation (%)											
SRC-2008-D (0810, 0811, 0812)	0	0.0	0.0	-	± -	-					
SRC-2008-E (0813, 0814, 0815)	0	0.0	0.0	-	± -	-					
SRC-2008-F (0816, 0817, 0818)	0	0.0	0.0	-	± -	-					

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Tier I Analysis	No.	Min	Max	Median	95% CI	R _d (%)				Mean ¹
							Rep 1	Rep 2	Rep 3	
Respirometry										
Total Solids of Respirometry (% ww basis)										
SRC-2008-D (0810, 0811, 0812)	12	39.6	82.2	72.5	± 27.9	0.4				
SRC-2008-E (0813, 0814, 0815)	12	42.7	62.2	59.0	± 7.0	0.6				
SRC-2008-F (0816, 0817, 0818)	12	37.4	63.7	56.0	± 14.8	2.9				
LOI OM of Respirometry (% ww basis)										
SRC-2008-D (0810, 0811, 0812)	12	25.4	36.8	31.2	± 7.9	6.7				
SRC-2008-E (0813, 0814, 0815)	12	39.8	54.9	46.9	± 7.8	4.6				
SRC-2008-F (0816, 0817, 0818)	12	47.3	53.6	51.3	± 4.3	2.9				
Carbon Dioxide Evolution I (mg/gTS/d)										
SRC-2008-D (0810, 0811, 0812)	21	0.1	1.2	0.5	± 0.78	5.6				
SRC-2008-E (0813, 0814, 0815)	21	0.0	1.6	0.7	± 0.87	12.3				
SRC-2008-F (0816, 0817, 0818)	21	0.2	2.3	1.4	± 2.18	5.5				
Carbon Dioxide Evolution II (mg/gOM/d)										
SRC-2008-D (0810, 0811, 0812)	21	0.4	3.5	0.8	± 0.87	11.0				
SRC-2008-E (0813, 0814, 0815)	21	0.1	3.2	0.9	± 1.91	18.2				
SRC-2008-F (0816, 0817, 0818)	21	0.2	4.3	1.7	± 2.18	3.6				
Dewar Self Heating Test										
SRC-2008-D (0810, 0811, 0812)	0	0.0	0.0	-	± -	-				
SRC-2008-E (0813, 0814, 0815)	0	0.0	0.0	-	± -	-				
SRC-2008-F (0816, 0817, 0818)	0	0.0	0.0	-	± -	-				
Solvita Maturity Index										
SRC-2008-D (0810, 0811, 0812)	6	4.0	5.0	5.0	± 1.0	6.2				
SRC-2008-E (0813, 0814, 0815)	6	4.0	5.0	5.0	± 1.0	6.2				
SRC-2008-F (0816, 0817, 0818)	6	4.0	5.0	5.0	± 1.0	6.2				

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Tier I Analysis	No.	Min	Max	Median	95% CI	R _d (%)				Mean ¹
							Rep 1	Rep 2	Rep 3	
Biologically Available Carbon I										
SRC-2008-D (0810, 0811, 0812)	3	0.8	1.4	0.9	± 0.44	30.5				
SRC-2008-E (0813, 0814, 0815)	3	1.4	1.5	1.5	± 0.00	3.9				
SRC-2008-F (0816, 0817, 0818)	3	3.1	3.2	3.1	± 0.00	1.8				
Biologically Available Carbon II										
SRC-2008-D (0810, 0811, 0812)	3	2.6	4.5	3.1	± 1.45	28.9				
SRC-2008-E (0813, 0814, 0815)	3	2.8	3.1	3.1	± 0.00	5.8				
SRC-2008-F (0816, 0817, 0818)	3	5.8	6.4	5.9	± 0.29	5.3				
Microbiology Pathogens										
Total Coliform Bacteria MPN/g dw basis										
SRC-2008-D (0810, 0811, 0812)	6	0.0	2.3	1.2	± 3.34	2.0				
SRC-2008-E (0813, 0814, 0815)	9	81.0	1806.0	743	± 1447	63.8				
SRC-2008-F (0816, 0817, 0818)	9	1100.0	1933.0	1400	± 870	0.3				
Fecal Coliform Bacteria MPN/g dw basis										
SRC-2008-D (0810, 0811, 0812)	15	0.0	4.0	0.5	± 1.44	0.5				
SRC-2008-E (0813, 0814, 0815)	18	0.0	1430.0	5.4	± 15.52	91.9				
SRC-2008-F (0816, 0817, 0818)	18	1.8	8537.0	617	± 1775	34.0				
Escherichia coli MPN/g dw basis										
SRC-2008-D (0810, 0811, 0812)	6	0.0	2.3	1.2	± 3.34	2.0				
SRC-2008-E (0813, 0814, 0815)	6	0.0	2.6	1.2	± 3.34	7.2				
SRC-2008-F (0816, 0817, 0818)	6	2.6	132.0	12.7	± 14.07	104.0				
Salmonella MPN/g dw basis										
SRC-2008-D (0810, 0811, 0812)	6	0.0	0.0	0.0	± 0.00	-				
SRC-2008-E (0813, 0814, 0815)	6	0.0	6.4	3.1	± 8.93	-				
SRC-2008-F (0816, 0817, 0818)	6	0.0	17.6	8.7	± 25.10	-				
Viability of Ascaris Ova MPN/g dw basis										
SRC-2008-D (0810, 0811, 0812)	0	0.0	0.0	-	± -	-				
SRC-2008-E (0813, 0814, 0815)	0	0.0	0.0	-	± -	-				
SRC-2008-F (0816, 0817, 0818)	0	0.0	0.0	-	± -	-				

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