City of Lincoln
Solid Waste Operations
Compost Analytical

2003 Feedstock Season
As of September 8, 2004

SAMPLE IDENTIFICATION REPORT NUMBER LABORATORY DESCRIPTION (SEASON of FEEDSTOCK) SEQUENCE	UNITS	MDL	ANALYTICAL METHOD	AVERAGE average function 2003	COMP 2003-5 04-124-2190 Midwest Labs Late Fall 2003 2003-5	COMP 2003-4 04-089-2248 Midwest Labs Fall 2003 2003-4	COMP 2003-3 04-089-2247 Midwest Labs Mid Summer 2003 2003-3	COMP 2003-2 03-363-2036 Midwest Labs Unknown 2003-2	COMP 2003-1 03-323-2092 Midwest Labs Early Spring 2003 2003-1
SAMPLE DATE					04/19/04	03/11/04	02/23/04	11/17/03	11/04/03
Aluminum, Total	mg/kg	5.0	EPA 6010	3967	4379	3829	3840	3823	3964
Antimony, Total	mg/kg	5.0	EPA 6010	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Arsenic, Total	mg/kg	0.50	EPA 6020	6.20	7.15	6.15	6.16	5.62	5.94
Barium, Total	mg/kg	0.50	EPA 6010	161	165	164	147	169	159
Beryllium, Total	mg/kg	0.50	EPA 6010	< 0.50	< 0.50	< 0.5	< 0.50	< 0.50	< 0.50
Boron, Total	mg/kg	5.00	EPA 6010	49.6	41.7	55.9	52.3	89.3	8.59
Cadmium, Total	mg/kg	0.50	EPA 6010	0.92	0.76	0.80	1.03	1.10	0.92
Calcium, Total	mg/kg	1.0	EPA 6010	28644	31201	30581	31029	49675	734
Chromium, Total	mg/kg	1.0	EPA 6010	9.5	9.1	12.8	8.7	8.7	8.2
Copper, Total	mg/kg	1.0	EPA 6010	33.1	51.0	36.6	33.6	43.2	< 1.0
Iron, Total	mg/kg	5.00	EPA 6010	4247	5983	5113	4878	5257	< 5.00
Lead, Total	mg/kg	5.0	EPA 6010	36.3	44.7	33.1	37.5	31.8	34.5
Magnesium, Total	mg/kg	1.0	EPA 6010	4357	5478	5618	5034	5436	219
Manganese, Total	mg/kg	1.0	EPA 6010	314	625	301	291	350	< 1.0
Mercury, Total	mg/kg	0.05	EPA 7471	0.10	0.13	< 0.05	< 0.05	0.12	0.13
Molybdenum, Total	mg/kg	1.0	EPA 6010	2.8	2.8	2.0	2.1	5.0	1.9
Nickel, Total	mg/kg	1.0	EPA 6010	9.1	9.3	9.7	8.0	9.5	9.0
Phosphorus, Total	mg/kg	10.0	EPA 6010	3911	5195	4996	4446	4898	21.2
Potassium, Total	mg/kg	10.0	EPA 6010	20485	23098	22861	21423	25042	10000
Selenium, Total	mg/kg	0.50	EPA 6020	0.76	0.98	0.84	0.78	0.58	0.62
Silver, Total	mg/kg	1.0	EPA 6010	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Sodium, Total	mg/kg	1.0	EPA 6010	692	1034	717	721	594	394
Sulfur, Total	mg/kg	25.0	EPA 6010	3241	4013	3843	3638	4053	657
Zinc, Total	mg/kg	1.0	EPA 6010	119	170	137	137	150	< 1.0
Alkalinity, Total as CaCO3	mg/kg	25	EPA 310.1 (MOD)	18638	20730	20680	23380	12500	15900
Chloride	mg/kg	500	EPA 325.2	4426	3246	2252	4149	7033	5450
Conductivity	mS/cm	0.01	Saturated Paste Extract	18.3	12.8	21.8	17.4	19.9	19.7
Nitrogen, Ammonia as N	mg/kg	2	EPA 350.2	1628	1444	2074	1825	2002	796
Nitrogen, Ammonia + Organic as N	mg/kg	4	EPA 351.3	23495	20076	23974	22811	24128	26484
Nitrogen, Nitrate as N	mg/kg	1	EPA 353.2	895	194	1421	849	1009	1003
pH, Lab-Saturated Paste Extract	SU		Saturated Paste Extract	7.4	7.9	7.2	7.3	7.4	7.3
Carbon / Nitrogen Ration (C/N)			CALCULATED	3.5		1.3	0.0	9.2	
Solids, Total, %	%	0.01	SM 2540G	51.9	52.3	49.7	52.5	54.8	50.4
Cation Exchange Capacity	mg/100g	0.1	EPA 9081	55.6	32.0	88.0	46	43.0	69.0
Sodium Absorption Ratio			CALCULATED	2.5	2.5	2.5	2.8	2.2	2.3
Organic Matter by Combustion	%	0.1	ASA #9 (360C)	48.7	51.9	51.5	47.5	49.6	42.9
Stability (Oxygen Uptake Method), mg/L/hr.									
Stability (Temperature Decline Method)									
Stability (Solvita Test Method)				4.5	6.5	4.5	4.5	3.0	4.0
Stability (Seed Germination Method)						STABLE	STABLE	STABLE	STABLE
Dieldrin (Pest. / Herb.), ug/kg				39.0		39.0			
alpha Chlordane (Pest. / Herb.), ug/kg				132		132			
gamma Chlordane (Pest. / Herb/), ug/kg				70.0		70.0			
Heptachlor Epoxide (Pest. Herb.), ug/kg									
Aldrin (Pest. / Herb.) ug/kg									
4,4'-DDE (Pest. / Herb.), ug/kg				73.0		73.0			
4,4'-DDD (Pest. / Herb.), ug/kg									
4,4'-DDT (Pest. / Herb.), ug/kg									

* "<" value results calculated into average using the minimum detection level as the real value

1. "<" = below minimum detection levels.
2. Only pesticides and herbicides above minimum detection levels are reported.