

# Compost Analysis Report

From: DAVID STEPHENSON/ BLACK EARTH COMPOST  
2 HILLSIDE RD  
GLOUCESTER MA 01930

Job# 332  
Date Received: 03/21/22  
Report Date: 04/11/22

Sample type: Compost

Sample Name: March

## STANDARD ANALYSIS

Parameter	Dry Basis	As is Basis	Lbs/Ton (as is)
Total Solids (%)		47.0	
Total Carbon (%)	21.5	10.1	202
Total Nitrogen (%)	1.02	0.48	9.60
Potassium (%)	0.40	0.19	K2O = 4.50
Phosphorus (%)	0.21	0.10	P2O5 = 4.44
Volatile Solids (%)	42.5	20.0	
pH		7.3	
Bulk Density (lbs/cu yd)		1000	
Conductivity (mmhos/cm)		4.9	

## EXPANDED ANALYSIS

Parameter	Dry Basis	As is Basis	Lbs/Ton (as is)
Boron (ppm)	25.6	12.0	0.02
Calcium (%)	1.30	0.630	12.6
Copper (ppm)	34.5	16.2	0.03
Iron (ppm)	8570	4030	8.07
Magnesium (%)	0.300	0.140	2.81
Manganese (ppm)	215	101	0.20
Sodium (%)	0.140	0.060	1.27
Zinc (ppm)	96.4	45.4	0.09

## MATURITY ANALYSIS

Parameter	Dry Basis	As is Basis	Lbs/Ton (as is)
C:N Ratio		21.1	
NH4-N (ppm)	612	288	0.58
NO3-N (ppm)	2.02	0.95	< 0.01



Suzanne Perron (Assistant Chemist)

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Date Received: 03/21/22  
Report Date: 04/11/22

Sample type: Compost

Sample Name: Groton

## STANDARD ANALYSIS

Parameter	Dry Basis	As is Basis	Lbs/Ton (as is)
Total Solids (%)		42.2	
Total Carbon (%)	18.7	7.9	158
Total Nitrogen (%)	1.20	0.51	10.14
Potassium (%)	0.42	0.18	K2O = 4.34
Phosphorus (%)	0.19	0.08	P2O5 = 3.62
Volatile Solids (%)	40.7	17.2	
pH		7.5	
Bulk Density (lbs/cu yd)		960	
Conductivity (mmhos/cm)		3.4	

## EXPANDED ANALYSIS

Parameter	Dry Basis	As is Basis	Lbs/Ton (as is)
Boron (ppm)	27.8	11.8	0.02
Calcium (%)	1.60	0.700	13.9
Copper (ppm)	30.9	13.0	0.03
Iron (ppm)	7390	3120	6.24
Magnesium (%)	0.370	0.160	3.14
Manganese (ppm)	252	106	0.21
Sodium (%)	0.120	0.050	1.04
Zinc (ppm)	68.4	28.9	0.06

## MATURITY ANALYSIS

Parameter	Dry Basis	As is Basis	Lbs/Ton (as is)
C:N Ratio		15.6	
NH4-N (ppm)	3.90	1.65	< 0.01
NO3-N (ppm)	161	68.0	0.14



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Sample type: Compost

Sample Name: Fram

## STANDARD ANALYSIS

Parameter	Dry Basis	As is Basis	Lbs/Ton (as is)
Total Solids (%)		37.6	
Total Carbon (%)	19.8	7.4	149
Total Nitrogen (%)	1.15	0.43	8.66
Potassium (%)	0.40	0.15	K2O = 3.67
Phosphorus (%)	0.24	0.09	P2O5 = 4.07
Volatile Solids (%)	40.1	15.1	
pH		7.5	
Bulk Density (lbs/cu yd)		1190	
Conductivity (mmhos/cm)		2.9	

## EXPANDED ANALYSIS

Parameter	Dry Basis	As is Basis	Lbs/Ton (as is)
Boron (ppm)	24.2	9.10	0.02
Calcium (%)	1.40	0.520	10.5
Copper (ppm)	47.6	17.9	0.04
Iron (ppm)	7290	2740	5.49
Magnesium (%)	0.280	0.100	2.07
Manganese (ppm)	192	72.4	0.14
Sodium (%)	0.120	0.040	0.88
Zinc (ppm)	73.0	27.5	0.06

## MATURITY ANALYSIS

Parameter	Dry Basis	As is Basis	Lbs/Ton (as is)
C:N Ratio		17.2	
NH4-N (ppm)	4.22	1.59	< 0.01
NO3-N (ppm)	38.20	14.4	0.03



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