

**Table 9  
Compost Monitoring Parameters  
Sioux Falls Regional Sanitary Landfill**

Parameters & Sample Container <sup>1</sup>	Preservatives	Method	Laboratory Reporting Limits <sup>2</sup>	Holding Time
<b>PCBs - 1-4 oz. Glass</b>				
PCB 1016	Cool < 4°C	SW 8082A	0.050 mg/kg dry wt	365 Days
PCB 1221	Cool < 4°C	SW 8082A	0.050 mg/kg dry wt	365 Days
PCB 1232	Cool < 4°C	SW 8082A	0.050 mg/kg dry wt	365 Days
PCB 1242	Cool < 4°C	SW 8082A	0.050 mg/kg dry wt	365 Days
PCB 1248	Cool < 4°C	SW 8082A	0.050 mg/kg dry wt	365 Days
PCB 1254	Cool < 4°C	SW 8082A	0.050 mg/kg dry wt	365 Days
PCB 1260	Cool < 4°C	SW 8082A	0.050 mg/kg dry wt	365 Days
PCB 1268	Cool < 4°C	SW 8082A	0.050 mg/kg dry wt	365 Days
<b>Total Metals - 1-4 oz Glass</b>				
Arsenic	Cool < 4°C	SW 6010C	4.00 mg/kg dry wt	180 Days
Cadmium	Cool < 4°C	SW 6010C	1.00 mg/kg dry wt	180 Days
Chromium	Cool < 4°C	SW 6010C	1.00 mg/kg dry wt	180 Days
Cobalt	Cool < 4°C	SW 6010C	1.00 mg/kg dry wt	180 Days
Lead	Cool < 4°C	SW 6010C	5.00 mg/kg dry wt	180 Days
Mercury	Cool < 4°C	SW 7471B	0.020 mg/kg dry wt	28 Days
Molybdenum	Cool < 4°C	SW 6010C	2.50 mg/kg dry wt	180 Days
Nickel	Cool < 4°C	SW 6010C	2.50 mg/kg dry wt	180 Days
Selenium	Cool < 4°C	SW 6010C	7.50 mg/kg dry wt	180 Days
<b>Herbicides 1-4oz. Glass</b>				
Clpyralid	Cool < 4°C	EPA 8321	100 ug/kg dry wt	14 Days
2,4-D	Cool < 4°C	EPA 8321	80 ug/kg dry wt	14 Days
Dicamba	Cool < 4°C	EPA 8321	80 ug/kg dry wt	14 Days
MCPA	Cool < 4°C	EPA 8321	100 ug/kg dry wt	14 Days
Picloram	Cool < 4°C	EPA 8321	40 ug/kg dry wt	14 Days
<b>Non-Preserved Inorganic Parameters - 1-4 oz Glass</b>				
Chloride	Cool < 4°C	SM 4500 Cl C	50.0 mg/kg dry wt	28 Days
<b>Non-preserved Inorganic Parameters - 1-500 mL Plastic</b>				
Nutrients <sup>3</sup>	Cool < 4°C	Varies	Varies	Varies

Table adapted from Sioux Falls Regional Sanitary Landfill Comprehensive Monitoring Plan, September and November 2011

mg/kg - milligrams per kilogram

ug/kg - micrograms per kilogram

<sup>1</sup>Container listed is typical. Container selected for sample collection to be approved by laboratory performing analysis for the parameter listed.

<sup>2</sup>Laboratory reporting limits with no dilutions

<sup>3</sup>Nutrients includes nitrogen, phosphorus, potassium, calcium, magnesium, sulfur, boron, copper, iron, manganese, sodium, zinc, solids and pH.