

**Table 7  
Annual Compost Leachate Monitoring Parameters  
Sioux Falls Regional Sanitary Landfill**

Parameters & Sample Container <sup>1</sup>	Preservatives	Methods	Laboratory Reporting Limits <sup>2</sup>	Holding Time
<b>Total Metals - 1-500 mL Plastic</b>				
Boron	HNO <sub>3</sub> , Cool < 4°C	EPA 200.7	0.1 mg/L	6 Months
Cadmium	HNO <sub>3</sub> , Cool < 4°C	EPA 200.7	0.002 mg/L	6 Months
Chromium	HNO <sub>3</sub> , Cool < 4°C	EPA 200.7	0.02 mg/L	6 Months
Copper	HNO <sub>3</sub> , Cool < 4°C	EPA 200.7	0.02 mg/L	6 Months
Iron	HNO <sub>3</sub> , Cool < 4°C	EPA 200.7	0.1 mg/L	6 Months
Manganese	HNO <sub>3</sub> , Cool < 4°C	EPA 200.7	0.01 mg/L	6 Months
Potassium	HNO <sub>3</sub> , Cool < 4°C	EPA 200.7	1.0 mg/L	6 Months
Zinc	HNO <sub>3</sub> , Cool < 4°C	EPA 200.7	0.02 mg/L	6 Months
<b>Total Metals - 1-500 mL Plastic</b>				
Hexavalent Chromium (Cr <sup>+6</sup> )	Cool < 4°C	SM 3500 Cr B	0.02 mg/L	24 Hours
<b>Preserved Inorganics - 1-1 Liter Plastic</b>				
Ammonia as N	H <sub>2</sub> SO <sub>4</sub> , Cool < 4°C	EPA 350.1	0.5 mg/L	28 Days
Nitrate + Nitrite as N	H <sub>2</sub> SO <sub>4</sub> , Cool < 4°C	SM 4500 NO3 E	0.1 mg/L	28 Days
Total Kjeldahl Nitrogen	H <sub>2</sub> SO <sub>4</sub> , Cool < 4°C	EPA 351.2	2.5 mg/L	28 Days
Total Phosphorus	H <sub>2</sub> SO <sub>4</sub> , Cool < 4°C	EPA 365.1	0.10 mg/L	28 Days
<b>Non-Preserved Inorganics - 2-1 Liter Plastic</b>				
BOD	Cool < 4°C	SM 5210B	3.0 mg/L	48 Hours
Nitrite as N	Cool < 4°C	SM 4500 NO3 E	0.1 mg/L	48 Hours
pH	Cool < 4°C	SM 4500B	0.1 s.u.	Immediately
TSS	Cool < 4°C	USGS I-3765-85	10.0 mg/L	7 Days

Table adapted from Sioux Falls Regional Sanitary Landfill Comprehensive Monitoring Plan, September and November 2011  
mg/L - milligrams per liter

S.U. - standard units

<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