

**Risk Based Screening Criteria for Hazardous Waste:**

Soil Samples: lower of most recent Residential Risk Based Concentrations (RBCs) and Soil Screening Level (SSL) Dilution Attenuation Factor (DAF)-1 for carcinogens and lower of 0.1 Residential RBCs and SSL DAF-1 for non-carcinogens.

Groundwater samples: Maximum Contaminant Levels (**MCL**) when available or Tap Water (TW) RBCs for carcinogens and 0.1 TW RBCs for non-carcinogens.

Surface water: Virginia Water Quality Standards (WQS) if available or EPA Water Quality Criteria (WQC) if WQS are not available.

Those chemicals that do not have established screening levels may need to be retained for further analysis via use of risk assessment and fate-and-transport models.

Most recent RSL (previously known as RBC) values are available at:

[http://www.epa.gov/reg3hwmd/risk/human/rb-concentration\\_table/Generic\\_Tables/index.htm](http://www.epa.gov/reg3hwmd/risk/human/rb-concentration_table/Generic_Tables/index.htm).

Federal MCLs are available at: <http://www.epa.gov/safewater/contaminants/index.html>

Virginia WQS are available at: <http://www.deq.virginia.gov/wqs/homepage.html>

EPA WQS are available at: <http://www.epa.gov/waterscience/criteria/wqctable/>