

		PARAMETERS	TOTAL VOLATILE ORGANIC COMPOUNDS (TCL+10)	TOTAL SEMI-VOLATILE ORGANIC COMPOUNDS (TCL+20)	TAL Metals & Hexavalent Chromium and Mercury	PCBs	TCL PESTICIDES	TCLP	Geotechnical Sample			
	Type of material	Volume	METHODS*	8260B - with EnCore or TerraCore	8270D	6000/7000	8082A	8081B	varies			
		FREQUENCY	Sample Type									
PA Clean or Regulated Fill	Construction Fill (Most Soil Jobs)	Less than or equal to 3,000 CY (minimum 3 samples)	Grab - With EnCore or TerraCore	X								
			5 point composite		X	X	X	X	1	2		
		For each additional 1,000 cy of material or part thereof over the initial 3,000 cy	Grab - With EnCore or TerraCore	X								
			5 point composite		X	X	X	X	X	1	2	

** The methods provided are standard EPA methods. The method revisions are subject to change and the most current method should be utilized by the laboratory.

NOTE: Per the PA DEP Management of Fill Policy, three samples must be analyzed for the base characterization for volumes greater than 125 cubic yards and up to 3,000 cubic yards. Please contact Clean Earth to confirm the correct sample number.

NOTE: Per the PA DEP Management of Fill Policy, a composite sample must be collected across a spatial range and consist of a minimum of four discrete samples. A composite sample CANNOT be collected from multiple increments at a single boring location. A minimum of four borings must be advanced per grid. A single test pit may be used to represent a grid IF it is of sufficient size/depth (minimum 5' in depth). Please contact Clean Earth with questions before sample collection.

Protocol for sampling requires five (5) discrete samples for each grid and screening of each of the five (5) discrete samples with a PID. The discrete sample exhibiting the highest volatile organic contamination for each is to be submitted for the VOC portion of the analysis, preserved using an EnCore or TerraCore sampling device. The five (5) discrete samples are then to be composited for each grid and submitted for the remaining parameters.

- 1) TCLP analysis is required for any parameter found at a concentration > 20 times its RCRA hazardous limit.
- 2) Contact your account rep or CE Corporate Approvals staff to determine if geotechnical analysis is required for a specific BU site.