

**Clean Earth Sampling Protocol
Southeast PA (Morrisville)**

PARAMETERS	TPH	TOX	TOTAL METALS - 8 RCRA + Zn	TCLP METALS - 8 RCRA + Cu, Ni	IGNITABILITY	CORROSIVITY (PH)	REACTIVITY - SULFIDE AND CYANIDE	PCBs	TCLP VOLATILE ORGANICS (Run for Non Virgin Sources)	TCLP SEMI-VOLATILE ORGANICS (Run for Non Virgin Sources)	TCLP VOLATILE ORGANICS (Run for Non Virgin Sources)
METHODS (1)		8015M	9020 or 9023	6010/7471	1311/6010/7470A	1010A	9040C	SW846 CHAPTER 7.3	8082A	1311/8260B	1311/8270D
	FREQUENCY										
LIGHT END HYDROCARBONS	Grab sample 1st 90 tons; 2nd 90 tons; every 180 tons thereafter	X	X								
	Grab Sample every 900 tons									X	
	5 point composite sample every 900 tons			X	X	X	X	X	X		X
Limit (mg/Kg)		*<45,000		End Use Criteria	Below RCRA Toxicity Level	Negative	>2 - <12.5	Sulfide <500 Cyanide <250	<4	Below RCRA Toxicity Level	Below RCRA Toxicity Level
HEAVY END HYDROCARBONS	Grab sample 1st 90 tons; 2nd 90 tons; every 375 tons thereafter	X	X								
	Grab Sample every 1500 tons									X	
	5 point composite sample every 1500 tons			X	X	X	X	X	X		X
Limit (mg/Kg)		*<45,000		End Use Criteria	Below RCRA Toxicity Level	Negative	>2 - <12.5	Sulfide <500 Cyanide <250	<4	Below RCRA Toxicity Level	Below RCRA Toxicity Level

* If TPH is >10,000 mg/kg, a PADEP Form U must be submitted

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

This is to be used as a guideline for sampling. Sampling frequencies and parameter requirements may be modified at the discretion of the CE Approval staff based items such as site history, levels of contamination and/or source of contamination, etc.