

**Clean Earth
Sampling Frequency Protocol**

Maryland

	PARAMETERS	TPH-GRO	TPH-DRO	TPH-HEM	BTEX	PCBs	TCLP-METALS	TCLP-VOLATILE ORGANICS	TCLP SEMI-VOLATILE ORGANICS	TCLP PESTICIDES	TCLP-HERBICIDES	TOTAL METALS (PPL)	VOLATILES	SEMI-VOLATILES
METHODS		8015M	8015M	1664M or 9071B	8021 or 8260	8082	1311/6010 or 6020	1311/8260	1311/8270	1311/8081	1311/8151	6010 or 6020	8260	8270
	FREQUENCY													
VIRGIN PETROLEUM WITH REGULATORY DOCUMENT	Representative composite or at least five representative grab samples first 1500 tons, second 1500 tons, every additional 3000 tons													
gasoline		X			X									
other distillate fuel			X		X									
residual fuel				X	X	X								
unknown		X	X	X	X	X								
Limit		avg<25,000 mg/kg	avg<25,000 mg/kg	avg<25,000 mg/kg	Benzene <10 mg/kg									
PETROLEUM WITHOUT REGULATORY DOCUMENT	Representative composite or at least five representative grab samples first 1500 tons, second 1500 tons, every additional 3000 tons													
gasoline		X			X	X	X	X	X	X	X			
other distillate fuel			X		X	X	X	X	X	X	X			
residual fuel				X	X	X	X	X	X	X	X			
unknown		X	X	X	X	X	X	X	X	X	X			
Limit		avg<25,000 mg/kg	avg<25,000 mg/kg	avg<25,000 mg/kg	Benzene <10 mg/kg	avg<12 mg/kg	See Cross Reference Parameter List	See Cross Reference Parameter List	See Cross Reference Parameter List	See Cross Reference Parameter List	See Cross Reference Parameter List			
MISCELLANEOUS	Representative composite or at least five representative grab samples first 1500 tons, second 1500 tons, every additional 3000 tons	X	X	X	X	X	X	X	X	X	X	X	X	X
Limit		avg<25,000 mg/kg	avg<25,000 mg/kg	avg<25,000 mg/kg	Benzene <10 mg/kg	avg<12 mg/kg	See Cross Reference Parameter List	See Cross Reference Parameter List	See Cross Reference Parameter List	See Cross Reference Parameter List	See Cross Reference Parameter List	See Cross Reference Parameter List	See Cross Reference Parameter List	See Cross Reference Parameter List

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..