

**Clean Earth Sampling Protocol
New Castle - Thermal**

PARAMETERS	TPH DRO*	BTEX	TOX	TCLP METALS & PCRA	IGNITABILITY	CORROSIVITY (pH)	REACTIVITY - SULFIDE AND CYANIDE	PCBS	TOTAL METALS	HEXAVALENT CHROMIUM	TOTAL CYANIDE	TCLP VOLATILE ORGANICS	TCLP SEMI-VOLATILE ORGANICS	TCLP HERBICIDES	TCLP PESTICIDES	PAHs	MOISTURE		
METHODS (1)		8015B	8021 or 8260B	9020 or 9023	1311/6010/7470A	1010A	9040C	SW846 CHAPTER 7.3	8082A	6010/7471	7196	9014	1311/8260B	1311/8270D	1311/8151A	1311/8081B	8270D	SM20-2540G	
FREQUENCY																			
UST Virgin Source	Representative composite sample every 1000 tons in accordance with SW846	X	X		X	X	X	X	X	X	X							X	
																			Aluminum
																			Antimony
																			Arsenic
																			Barium
																			Beryllium
																			Boron
																			Cadmium
																			Cobalt
																			Copper
																			Trivalent Chromium
																			Iron
																			Lead
																			Manganese
																			Mercury
																			Nickel
																			Selenium
Silver																			
Thallium																			
Tin																			
Vanadium																			
Zinc																			
Limit (mg/Kg)		Unlimited	Unlimited	500	Below RCRA Toxicity Level	Negative	>2 - <12.5	Sulfide <500 Cyanide <250	<3.0			Below RCRA Toxicity Level	Below RCRA Toxicity Level	Below RCRA Toxicity Level	Below RCRA Toxicity Level	Unlimited			
TPH/MGP Contaminated	Representative composite sample every 1000 tons in accordance with SW846	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
																			Aluminum
																			Antimony
																			Arsenic
																			Barium
																			Beryllium
																			Boron
																			Cadmium
																			Cobalt
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For Virgin Residential Soil <100 tons, analyze for TPH DRO only

(1) Test methods shall be those found in the most current legal edition of SW-846. Additional testing criteria may be required to address potential contaminants that can reasonably be expected to be present in the soil based on environmental due diligence. * For Gasoline Sources use TPH-GRO in lieu of TPH-DRO