

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

PARAMETERS	TPH-DRO*	BTEX	TOX	TCLP METALS & PCRA	IGNITABILITY	CORROSIVITY (pH)	REACTIVITY - SULFIDE AND CYANIDE	PCes	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	1311/6010/7 470A	1010A	9040C	SW846 CHAPTER 7.3	8082A	6010/7471	7196	9014	1311/8260B	1311/8270D	1311/8151A	1311/8081B	8270D	SM20-2540G
FREQUENCY																		
TPH/MGP Contaminated	Representative composite sample every 1000 tons in accordance with SW846	X	X	X	X	X	X	X	X	Aluminum	X	X	X	X	X	X	X	X
										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		

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