

**Clean Earth Sampling Protocol  
Connecticut**

PARAMETERS	TOTAL PETROLEUM HYDROCARBONS (TPH)	TCL VOLATILE ORGANICS*	TCL SEMI-VOLATILE ORGANICS	TCLP Benzene	PCBs	TOTAL METALS - 8 RCRA	TCLP Lead	IGNITABILITY	TOTAL CYANIDE	TCL PESTICIDES	Total HERBICIDES	PAINT FILTER TEST	RADIOACTIVITY	
METHODS (1)		8015B or CT ETPH	8260B	8270D	1311/ 8260B	8082A	6010/ 7471	1311/ 6010A	1010A	9010	1311/ 8081B	1311/ 8151A	9095	
FREQUENCY														
<b>WASTE MATERIAL (Used Products - Lubricating Oil, Cutting Oil, Water Soluble Oil, Hydraulic Oil, Quench Oil, and Aliphatic and Aromatic Hydrocarbons)</b>	3-point composite sample every 250 cy	<b>X</b>	<b>X</b>	<b>X</b>		<b>X</b>	<b>X</b>		<b>X</b>	<b>f</b>	<b>b</b>	<b>b</b>	<b>X</b>	<b>d</b>
<b>Limit (mg/kg)</b>		Oils: <100,000 Gas: <30,000			<0.5 mg/L	<50		<5.0 mg/L	Negative	<200			No Free Liquids	

**Notes:**

- (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.
- (2) 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 on items such as site history, levels of contamination and/or source of contamination, etc.
- (3) When Virgin Material is spilled or released with used products or is spilled into urban fill, Waste Material protocol is required.
- (4) TCLP analysis is required for VOCs, SVOCs, Metals, Pesticides and/or Herbicides if total concentrations of individual constituents exceeds 20 times the RCRA Toxicity Characteristic concentrations.
- \* - Total Chlorinated Solvents must be <1,000 mg/kg.
- X - Analysis is required.
- a - Written certification from the generator may be used in lieu of analytical results.
- b - Written certification from the generator may be used in lieu of analytical results, unless Site History information indicates pesticides and/or herbicides were used, applied, or spilled.
- c - Soil from aboveground storage tanks containing gasoline requires TCLP Benzene and TCLP Lead analysis. Soil from underground storage tanks containing gasoline requires TCLP Lead analysis only.
- d - Written certification from the generator that identifies that the contaminated media is not radioactive in accordance with NRC and/or DOE regulations may be used instead of testing.
- e - Written certification from the generator may be used in lieu of actual TCLP testing unless Site History information indicates the gasoline spill was prior to 1986.
- f - Analysis for cyanide shall be performed on all media where cyanide was used; otherwise, written certification from the generator may be used in lieu of analytical results.