

## Clean Earth Sampling Protocol Maryland

| PARAMETERS   | TPH-GRO   | TPH-DRO    | Oil and Grease | BTEX                | PCBs   | TOTAL METALS- 8<br>RCRA *    | TOTAL VOLATILE<br>ORGANICS*  | TCL SEMI-VOLATILE<br>ORGANICS* (&<br>Pyridine) |  |
|--|---|------------|----------------|---------------------|--------|------------------------------|------------------------------|--|--|
| <b>METHODS (1)</b>   | 8015  | 8015       | 9071B          | 8021<br>or<br>8260B | 8082A  | 6010/7471                    | 8260B                        | 8270D  |  |
| <b>FREQUENCY</b>   |   |            |                |                     |        |                              |                              |  |  |
| <b>VIRGIN PETROLEUM<br/>WITH REGULATORY DOCUMENT</b>               |   |            |                |                     |        |                              |                              |  |  |
| Gasoline   | Representative composite<br>sample of at least five<br>representative grab samples<br>every 3000 tons | X          |                |                     | X      |                              |                              |  |  |
| Other distillate fuel (eg: Diesel,<br>Kerosene)                    |   |            | X              |                     | X      |                              |                              |  |  |
| Residual fuel (eg: #4, #6 Fuel Oil)                                |   |            |                | X                   | X      |                              |                              |  |  |
| <b>Limit (mg/kg)</b>   | avg<25,000  | avg<25,000 | avg<25,000     | Benzene<br><10      |        |                              |                              |  |  |
| <b>PETROLEUM<br/>WITHOUT REGULATORY<br/>DOCUMENT/MISCELLANEOUS</b> |   |            |                |                     |        |                              |                              |  |  |
| Gasoline   | Representative composite<br>sample of at least five<br>representative grab samples<br>every 3000 tons | X          |                |                     |        | X                            | X                            | X  |  |
| Other distillate fuel<br>(eg: Diesel, Kerosene)                    |   |            | X              |                     |        | X                            | X                            | X  |  |
| Residual fuel (eg: #4, #6 Fuel Oil)                                |   |            |                | X                   |        | X                            | X                            | X  |  |
| Unknown  |   | X          | X              | X                   |        | X                            | X                            | X  |  |
| <b>Limit (mg/kg)</b>   | avg<25,000  | avg<25,000 | avg<25,000     | Benzene<br><10      | avg<12 | Below RCRA<br>Toxicity Level | Below RCRA<br>Toxicity Level | Below RCRA<br>Toxicity Level                   |  |

(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 on items such as site history, levels of contamination and/or source of contamination. (Please refer to the attached Addendum # 1)

\* **Note: For compounds with total concentrations greater than or equal to 20X RCRA Toxicity, TCLP is required.**