

Instructions for: **Soil Explosives (Cat # PT-EXP-SOIL)**

SCOPE AND APPLICATION

Wibby Environmental's Soil Explosives Proficiency Testing Standard is designed to be used with USEPA Methods. You should be familiar with the method(s) before analyzing the standard. If you have any questions about the use of these standards, please contact Wibby Environmental Customer Service at 1-866-WibbyPT (866-942-2978).

SAMPLE PREPARATION AND ANALYSIS

1. For best results, the PT standards should be refrigerated and then brought to room temperature (near 20°C) when used.
2. The Explosives in Soil standard is packaged in two vials. Each vial contains 10.0 ± 0.1 g of standard.
3. For your convenience, we recommend that you add your extraction solvent to the vial and extract the sample in the supplied vial. As an alternative, you may open the vial and quantitatively transfer the *entire* contents of the vial to your extraction apparatus. Rinse the vial thoroughly with extraction solvent and transfer the solvent to the extraction apparatus.
4. Follow your normal procedures for extraction and analysis of a sample for Explosives in Soil.

NOTE: A second identical vial containing 10.0 ± 0.1 g of Explosives in Soil standard has been provided as a backup in the event you experience problems with the extraction or analysis of the initial vial. Store the second vial at 4°C.

REPORTING RESULTS

1. Report all results using the Data Reporting Sheets enclosed with your standards or online at www.wibby.com.

2. For the purposes of reporting results, the percent moisture of the PT standard is 0% and the sample weight is 10.0 g. Report all results in µg/kg on a dry weight basis.
3. Report results to three significant figures.
4. Enter your results online at www.wibby.com or fax your results to Wibby Environmental at 1-866-942-2978. You may also mail your results to Wibby Environmental, 6390 Joyce Drive, #100, Golden, CO, 80403. All results must be received by Wibby Environmental prior to the study closing date shown on the Data Reporting Sheets.

SAFETY

These standards are designed for use by laboratory professionals who are familiar with handling environmental reference materials as well as hazardous materials. If you have any questions about the safe handling of these standards or require a Material Safety Data Sheet (MSDS), please contact Wibby Environmental at 1-866-WibbyPT (866-942-2978).

QUESTIONS?

If you have any questions regarding these standards or reporting requirements, please call Wibby Environmental at 1-866-WibbyPT (866-942-2978).

Soil / Hazardous Waste PT Concentration Ranges and PTRLs

Definitions:

PTRL

NELAC Proficiency Testing Reporting Limits (PTRLs) are provided as guidance to laboratories analyzing NELAC PT samples. At a minimum, the laboratory should use a method that is sensitive enough to generate quantitative results at the PTRLs shown. (REF: NELAC PT FOT Tables)

NA

Not Applicable (NA) has been applied to analytes where a PTRL is not applicable and to state specific analytes that have not had a PTRL determined by the applicable accrediting agency.

Explosives (PT-EXP-SOIL)

NELAC Code	Analyte	Units	Concentration Range	PTRL
Additional State Specific Analytes				
9306	4-amino-2,6-dinitrotoluene	µg/kg	1500 - 15000	300
9303	2-amino-4,6-dinitrotoluene	µg/kg	1500 - 15000	300
9327	1-Chloro-2,4-dinitrobenzene	µg/kg	1000 - 15000	NA
9330	1-Chloro-4-nitrobenzene	µg/kg	1000 - 15000	NA
9333	4-Chloro-3-nitrotoluene	µg/kg	1000 - 15000	NA
9366	3,5-Dichloronitrobenzene	µg/kg	1000 - 15000	NA
6150	3,5-Dinitroaniline	µg/kg	1000 - 15000	NA
6160	1,3-Dinitrobenzene	µg/kg	1500 - 15000	300
6165	1,4-Dinitrobenzene	µg/kg	1000 - 15000	NA
6185	2,4-Dinitrotoluene	µg/kg	1000 - 15000	NA
6190	2,6-Dinitrotoluene	µg/kg	1000 - 15000	NA
9381	Dinitramine	µg/kg	1000 - 15000	NA
9522	HMX	µg/kg	1500 - 15000	300
9504	1,2-Naphthoquinone	µg/kg	1000 - 15000	NA
6420	1,4-Naphthoquinone	µg/kg	1000 - 15000	NA
5015	Nitrobenzene	µg/kg	1000 - 15000	NA
6485	Nitroglycerin	µg/kg	1000 - 15000	NA
9507	2-Nitrotoluene	µg/kg	1500 - 15000	300
9510	3-Nitrotoluene	µg/kg	1500 - 15000	300
9513	4-Nitrotoluene	µg/kg	1500 - 15000	300
6600	Pentachloronitrobenzene	µg/kg	1000 - 15000	NA
9558	Pentaerythritoltetranitrate	µg/kg	1000 - 15000	NA
9432	RDX	µg/kg	1500 - 15000	300
9624	2,3,4,5-Tetrachloronitrobenzene	µg/kg	1000 - 15000	NA
6415	Tetryl	µg/kg	1500 - 15000	300
9645	2,4,6-Trichloronitrobenzene	µg/kg	1000 - 15000	NA
8295	Trifluralin	µg/kg	1000 - 15000	NA
6885	1,3,5-Trinitrobenzene	µg/kg	1500 - 15000	300
9651	2,4,6-Trinitrotoluene	µg/kg	1500 - 15000	300