

Instructions for: **Soil Crossover Volatiles (Cat # PT-CVOA-SOIL)**

SCOPE AND APPLICATION

Wibby Environmental's Soil Crossover Volatiles Proficiency Testing Standard is designed to be used with applicable USEPA or other promulgated 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. Store the PT standards under refrigeration and equilibrate to room temperature (near 20°C) prior to use.
2. The Crossover Volatiles in Soil Standard has been provided as a ready-to-use standard and should be considered a medium/high level standard.
3. 5.0 g of soil containing the Volatiles of interest has been preserved with 5.0 mL of purge-and-trap grade Methanol.
4. Following your normal procedures for the analysis of a medium level VOAs in Soil sample, remove an aliquot from the vial for preparation and analysis.
5. Store any remaining standard at 4°C.

REPORTING RESULTS

1. Report results to three significant figures.
2. For the purposes of reporting results, the percent moisture of the Crossover Volatiles in Soil standard is 0% and the sample weight is 5.0 g. Report all results on a dry weight basis.

3. Report your results online at www.wibby.com. Click on the "Online Data Entry" link or the "PT Manage" link.
4. You may also report your results using the Data Reporting Sheets enclosed with your standards. FAX your results to Wibby Environmental at 866-283-0269 or mail the results to Wibby Environmental, 6390 Joyce Drive, #100, Golden, CO, 80403.
5. Wibby Environmental must receive all results 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).

6390 Joyce Drive
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Golden, CO 80403

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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.

Crossover Volatiles (PT-CVOA-SOIL)

NELAC Code	Analyte	Units	Concentration Range	PTRL
4835	Hexachlorobutadiene	µg/kg	1500 - 15000	150
4840	Hexachloroethane	µg/kg	1500 - 15000	150
6385	2-Methylnaphthalene	µg/kg	1000 - 12000	100
5005	Naphthalene	µg/kg	1000 - 12000	100
5015	Nitrobenzene	µg/kg	1500 - 15000	150
5155	1,2,4-Trichlorobenzene	µg/kg	1500 - 15000	150