

Instructions for: **Soil Medium Level Volatiles – GC (Cat # PT-VOAMGC-SOIL)**

SCOPE AND APPLICATION

Wibby Environmental's SOIL Medium Level Volatiles-GC Proficiency Testing Standard is designed to be used with USEPA and 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. For best results, the standard should be refrigerated and then brought to room temperature (near 20°C) when used.
2. The Medium Level Volatiles – GC in Soil standard has been provided as 5.00 g of soil containing the Volatiles of interest preserved with 5.00 mL of purge and trap grade Methanol in a flame sealed ampule.
3. Carefully open the ampule containing the standard by snapping off the top of the ampule at the narrow part of the neck.
4. Following your normal procedures for the analysis of a Medium Level VOAs in Soil sample that has been preserved with methanol, remove an aliquot from the vial for preparation and analysis.
5. The remainder of the methanol extract should be transferred to an appropriate storage vial and stored at 4°C.

REPORTING RESULTS

1. Report results to three significant figures.
2. For the purposes of reporting results, the percent moisture of the Medium Level Volatiles in Soil standard is 0% and the sample weight is 5.00 g. Report all results on a dry weight basis

3. Report your results on line 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
100
Golden, CO 80403

Phone 303-940-0033
Fax 866-283-0269
www.wibby.com

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.

Volatiles - GC (PT-VOAGC-SOIL)

NELAC Code	Analyte	Units	Concentration Range	PTRL
4375	Benzene	µg/kg	20.0 - 200	10.0
4475	Chlorobenzene	µg/kg	20.0 - 200	10.0
4610	1,2-Dichlorobenzene	µg/kg	20.0 - 200	8.90
4615	1,3-Dichlorobenzene	µg/kg	20.0 - 200	5.10
4620	1,4-Dichlorobenzene	µg/kg	20.0 - 200	7.00
4765	Ethylbenzene	µg/kg	20.0 - 200	9.40
5000	Methyl-tert-butyl ether (MTBE)	µg/kg	20.0 - 200	7.80
5005	Naphthalene	µg/kg	40.0 - 200	6.00
5140	Toluene	µg/kg	20.0 - 200	11.0
5260	Xylenes, total	µg/kg	40.0 - 400	18.0
Additional State Specific Analytes				
4900	Isopropylbenzene	µg/kg	40.0 - 200	10.0
5210	1,2,4-Trimethylbenzene	µg/kg	20.0 - 200	NA
5215	1,3,5-Trimethylbenzene	µg/kg	20.0 - 200	NA