

Instructions for: **SOIL/HW TCLP Pesticides (cat # PT-TCLPPEST-SOIL)**

SCOPE AND APPLICATION

Wibby Environmental's SOIL/HW TCLP Pesticides Proficiency Testing Standard is designed to be extracted using USEPA Method 1311 followed by analysis for the indicated pesticides. If you have any questions about the use of this standard, please contact Wibby Environmental Customer Service at 1-866-WibbyPT (866-942-2978).

SAMPLE PREPARATION AND ANALYSIS

1. **Preliminary evaluations (EPA Method 1311, Section 7.1).** You do not need to complete the preliminary evaluations of the Wibby Environmental TCLP Pesticides standard. The results of these tests are:
 - a. Percent solids = 100%
 - b. Particle size reduction = not needed
 - c. Required extraction fluid = fluid #1
2. For best results, the PT standard spiking concentrate should be stored at 4°C and warmed to room temperature (near 20°C) prior to use.
3. The SOIL/HW TCLP Pesticides standard includes two separate containers, a jar containing Blank Soil Matrix and a 2mL flame sealed ampule containing the TCLP Pesticides spiking concentrate.
4. Open the Blank Soil Matrix jar and transfer 100 g of the matrix to your TCLP extraction vessel.
5. Carefully break the top of the spiking concentrate ampule and add 1.0 mL (milliliters) of the concentrate using a gastight syringe onto the Blank Soil Matrix in the TCLP Extraction vessel.
6. As specified in Method 1311 add 2000 mL (20X the sample size of 100 g) of TCLP extraction fluid #1 into the extraction vessel.
7. The standard is now ready for extraction by Method 1311 and analysis per the selected method(s).

NOTE: If your normal procedure for TCLP Pesticides uses a sample size that differs from 100 g adjust the amount of Blank Soil Matrix, TCLP Pesticides spiking concentrate and TCLP Extraction Fluid as appropriate. For example, if your method calls for the extraction of a 50 g sample, use 50 g of Blank Soil Matrix, 500 µL (microliters) of TCLP Pesticides spiking concentrate and 1000 mL of TCLP Extraction Fluid #1.

REPORTING RESULTS

1. Report all results on line at www.wibby.com. Click on the "Online data entry link" and follow the instructions to enter your results. As an alternative, you may enter your results using the Data Reporting Sheets enclosed with your standards.
2. Report your results to three significant figures in ug/L of TCLP extraction fluid.
3. 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.
4. 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).

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100
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.

TCLP Pesticides (PT-TCLPPEST-SOIL)

NELAC Code	Analyte	Units	Concentration Range	PTRL
Additional State Specific Analytes				
7025	Aldrin	µg/L	0.500 - 15.0	NA
7110	alpha-BHC	µg/L	2.00 - 15.0	NA
7115	beta-BHC	µg/L	2.00 - 15.0	NA
7105	delta-BHC	µg/L	2.00 - 15.0	NA
7120	gamma-BHC (Lindane)	µg/L	10.0 - 100	NA
7240	alpha-Chlordane	µg/L	1.00 - 9.80	NA
7245	gamma-Chlordane	µg/L	1.20 - 7.80	NA
7355	DDD (4,4)	µg/L	2.00 - 10.0	NA
7360	DDE (4,4)	µg/L	2.00 - 10.0	NA
7365	DDT (4,4)	µg/L	1.00 - 10.0	NA
7470	Dieldrin	µg/L	1.00 - 13.0	NA
7510	Endosulfan I	µg/L	4.00 - 17.0	NA
7515	Endosulfan II	µg/L	4.00 - 20.0	NA
7520	Endosulfan sulfate	µg/L	2.00 - 20.0	NA
7540	Endrin	µg/L	10.0 - 100	NA
7530	Endrin aldehyde	µg/L	4.00 - 20.0	NA
7535	Endrin ketone	µg/L	2.00 - 10.0	NA
7685	Heptachlor	µg/L	10.0 - 100	NA
7690	Heptachlor epoxide	µg/L	10.0 - 100	NA
7810	Methoxychlor	µg/L	10.0 - 100	NA