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Instructions for:
SOIL/HW TCLP Nutrients (Cat # PT-TCLPNUT-SOIL)

SCOPE AND APPLICATION

Wibby Environmental's SOIL/HW TCLP Nutrients Proficiency Testing Standard is designed to be extracted using USEPA Method 1311 followed by analysis for Ammonia, TKN, Total P and Total Organic Carbon. 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 Nutrients standard. The results of these tests are:
   a. Percent solids = 100%
   b. Particle size reduction = not needed
   c. Required extraction fluid = not specified for these analytes
2. For best results, the PT standard should be stored and used at room temperature (near 20°C).
3. The SOIL/HW TCLP Nutrients standard includes two separate containers, a jar containing Blank Soil Matrix and a vial containing the TCLP Nutrients concentrate.
4. Open the Blank Soil Matrix jar and transfer 100 g of the matrix to your TCLP extraction vessel.
5. Carefully open the vial containing the TCLP Nutrients concentrate and transfer exactly 10.0 mL of the PT concentrate onto the Blank Soil Matrix in the TCLP Extraction vessel and mix thoroughly.
6. As specified in Method 1311, add 2000 mL (20X the sample size of 100 g) of the extraction fluid specified in your lab procedure 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 Nutrients uses a sample size that differs from 100 g adjust the amount of Blank Soil Matrix, TCLP Nutrients 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, 5.00 mL of TCLP Nutrients concentrate and 1000 mL of your TCLP extraction fluid.

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 mg/L of TCLP extraction fluid.
3. FAX your results to Wibby Environmental at 1-866-283-0269. 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).

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ACCREDITED
Certificate # 2427.01

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 Nutrients (PT-TCLPNUT-SOIL)

NELAC Code	Analyte	Units	Concentration Range	PTRL
Additional State Specific Analytes				
1515	Ammonia as N	mg/L	0.650 - 50.0	NA
2040	Total Organic Carbon(TOC)	mg/L	0.250 - 40.0	NA
1910	Total Phosphorous	mg/L	0.500 - 20.0	NA