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Instructions for: Soil Hexavalent Chromium (cat # PT-CR6-SOIL)

SCOPE AND APPLICATION

Wibby Environmental's Soil Hexavalent Chromium Proficiency Testing Standard is designed to be used for USEPA methods for the determination of hexavalent chromium. The standard requires digestion by USPEA Method 3060 or an equivalent procedure prior to analysis. 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 standard should be stored near room temperature (~ 20°C).
2. Thoroughly mix the Hexavalent Chromium standard prior to removing an aliquot for digestion and analysis.
3. The Hexavalent Chromium standard requires digestion prior to analysis. Follow your routine procedures for the determination of hexavalent chromium in a soil sample.

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.
2. Report results to three significant figures.
3. For the purposes of reporting results, the percent moisture of the PT standard is 0%. Report all results in mg/kg on a dry weight basis
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. 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 303-940-0033.

QUESTIONS?

If you have any questions regarding these standards or reporting requirements, please call Wibby Environmental at 303-940-0033.

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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.

Hexavalent Cr (PT-CR6-SOIL)

NELAC Code	Analyte	Units	Concentration Range	PTRL
1045	Chromium VI	mg/kg	40.0 - 300	4.00