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**Instructions for:
UST Arizona Extractable Hydrocarbons in Soil
(cat # PT-AZHC-USTS)**

SCOPE AND APPLICATION

Wibby Environmental's UST Arizona Extractable Hydrocarbons in Soil Proficiency Testing Standard is designed to be used with Arizona specific hydrocarbon methods (Ref: AZ8015). You should be familiar with this method 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 refrigerated and then brought to room temperature (near 20°C) when used.
2. The AZ Extractable HC in Soil standard is packaged in two vials. Each vial contains 10.0 ± 0.1 g of standard.
3. Open one vial and quantitatively transfer the *entire* contents of the vial to your extraction apparatus. Rinse the vial thoroughly with extraction solvent and transfer the solvent to the extraction apparatus. The second vial is provided as a back up sample or in case you need to use two different methods.
4. Follow your normal procedures for extraction and analysis of a sample for Arizona Extractable Hydrocarbons in Soil.

REPORTING RESULTS

1. Report results to three significant figures.
2. For the purposes of reporting results, the percent moisture of the AZ Extractable HC in Soil standard is 0% and the sample weight is 10.0 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 1-866-283-0269 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).

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Underground Storage Tank 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.

Arizona Hydrocarbons in Soil (PT-AZHC-USTS)

NELAC Code	Analyte	Units	Concentration Range	PTRL
-	Diesel Fraction (C10 - C22)	mg/kg	30.0 - 3000	NA
-	Oil Range Organics (C22 - C32)	mg/kg	100 - 10000	NA
-	Total Petroleum Hydrocarbons (C10 - C32)	mg/kg	130 - 13000	NA