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Instructions for: **UST New Jersey EPH in Soil (cat # PT-NJEPH-USTS)**

SCOPE AND APPLICATION

Wibby Environmental's UST New Jersey EPH in Soil Proficiency Testing Standard is designed to be used with New Jersey's method "Analysis of Extractable Petroleum Hydrocarbon Compounds (EPH) in Aqueous and Soil/Sediment/Sludge Matrices, October 2009 Revision: 2". 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 standards should be refrigerated and then brought to room temperature (near 20°C) when used.
2. The NJ EPH in Soil standard is packaged in two vials. Each vial contains 10.0 ± 0.2 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.
4. Follow the procedures contained in New Jersey's method "Analysis of Extractable Petroleum Hydrocarbon Compounds (EPH) in Aqueous and Soil/Sediment/Sludge Matrices, October 2009 Revision: 2".

NOTE: A second identical vial containing 10.0 ± 0.2 g of NJ EPH in Soil standard has been provided as a back up in the event you experience problems with the extraction or analysis of the initial vial. Store the second vial at 4°C.

REPORTING RESULTS

1. Report all results using the Data Reporting Sheets enclosed with your standards or online at www.wibby.com.
2. For the purposes of reporting results, the percent moisture of the NJ EPH in Soil

standard is 0% and the sample weight is 10.0 g. Report all results on a dry weight basis.

3. Report results to three significant figures.
4. As an alternative, 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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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.

NJ EPH in Soil (PT-EPHNJ-USTS)

NELAC Code	Analyte	Units	Concentration Range	PTRL
-	C9 to C12 Aliphatic Hydrocarbons	mg/kg	10.0 - 2000	NA
-	C12 to C16 Aliphatics	mg/kg	10.0 - 2000	NA
-	C16 to C21 Aliphatics	mg/kg	10.0 - 2000	NA
-	C21 to C40 Aliphatics	mg/kg	10.0 - 2000	NA
-	Total Aliphatics	mg/kg	40.0 - 8000	NA
-	C10 to C12 Aromatics	mg/kg	10.0 - 2000	NA
-	C12 to C16 Aromatics	mg/kg	10.0 - 2000	NA
-	C16 to C21 Aromatics	mg/kg	10.0 - 2000	NA
-	C21 to C36 Aromatics	mg/kg	10.0 - 2000	NA
-	Total Aromatics	mg/kg	40.0 - 8000	NA
-	Total EPH	mg/kg	80.0 - 16000	NA