

**Instructions for:
UST TPH in Water (Cat # PT-TPH-USTW)**

SCOPE AND APPLICATION

Wibby Environmental's WP Total Petroleum Hydrocarbons (TPH) in Water Proficiency Testing Standard is designed to be used with gravimetric and infrared determinative methods. This standard is not intended for use with gas chromatography (GC) methods. 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 TPH in Water concentrate should be stored near room temperature (~ 20°C).
2. Add approximately 750 mL of ASTM Type 1 water to a 1000 mL Class A volumetric flask or to a tared sample bottle.
3. Shake the TPH in Water concentrate vial thoroughly to mix the sample.
4. Carefully add 10.0 mL of the acid your lab normally uses to preserve samples for oil and grease determination (either hydrochloric or sulfuric).
5. Quickly and carefully transfer the entire contents of the vial containing the TPH in Water concentrate to the volumetric flask or sample bottle.
6. Bring the sample to a final volume of one liter with ASTM Type 1 water.
7. TPH also has a tendency to adhere to the vial and cap. After transferring the concentrate to your extraction vessel or apparatus, rinse the standard bottle and cap a minimum of two times with the extraction solvent. The solvent used for rinsing the container should be combined with that used for extraction of the sample.
8. The standard is now ready for preparation and analysis per your routine method(s).

REPORTING RESULTS

1. Report results to three significant figures.
2. Report your results on line at www.wibby.com. Click on the "Online Data Entry" link or the "PT Manage" link.
3. 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.
4. Wibby Environmental must receive all results prior to the study closing date shown on the Data Reporting Sheets.

SAFETY

The 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).

CONCENTRATION RANGE and PTRL

1. The standard will contain the analyte listed below at a certified Concentration within the range shown.
2. The NELAC Proficiency Testing Reporting Limit (PTRL) is provided as guidance when analyzing NELAC PT standards. At a minimum, the laboratory should use a method that is sensitive enough to generate quantitative results at the PTRL shown.

Analyte	Conc Range ¹	PTRL ¹
TPH	20.0 - 200	7.60

1. Units are mg/L.