

Instructions for: WP Total Petroleum Hydrocarbons (Cat # PT-TPH-WP)

STANDARD DESCRIPTION

- The WP Total Petroleum Hydrocarbons standard is provided as a concentrate that must be diluted prior to extraction and analysis.
- The WP Total Petroleum Hydrocarbons standard is preserved with approximately 0.1 % hydrochloric acid.
- Store the standard in the unopened vial at room temperature (~ 20 - 25°C).

ADDITIONAL INFORMATION

- The standard has been provided as a concentrate that must be diluted prior to analysis. We also offer a whole volume ready-to-use WP TPH standard (catalog #PT-TPH1L-WP). If you would like to order the 1 L version of this standard, please call customer service at 1-866-WibbyPT (866-942-2978).
- Total Petroleum Hydrocarbons have 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.

STANDARD PREPARATION, ANALYSIS and STORAGE

1. For best results, the Total Petroleum Hydrocarbons 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. Carefully add 10.0 mL of the acid your lab normally uses to preserve samples for oil and grease determination (either hydrochloric or sulfuric).
4. Shake the Total Petroleum Hydrocarbons concentrate vial thoroughly to mix the sample.
5. Quickly and carefully transfer the entire contents of the vial containing the Total Petroleum Hydrocarbons 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. The standard is now ready for preparation and analysis per the selected method(s).
8. The sample should be analyzed as soon as possible after dilution,
9. Report all results in mg/L per the reporting instructions contained in this booklet.
10. Store the diluted standard and any remaining concentrate at room temperature (~ 20 - 25°C).

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Water Pollution Proficiency Testing 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.

TPH (PT-TPH-WP)

NELAC Code	Analyte	Units	Concentration Range	PTRL
1935	Total Petroleum Hydrocarbons (TPH)	mg/L	20.0 - 200	7.60