

## **Instructions for: WP TPH – Acetone Concentrate**

### **STANDARD DESCRIPTION**

- The WP Total Petroleum Hydrocarbons (TPH) standard is provided as a concentrate in acetone that must be diluted prior to extraction and analysis.
- The WP TPH standard concentrate is prepared in acetone. As such, the vial should be kept tightly capped and out of direct sunlight.
- 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).
- The standard is designed to be extracted with an organic solvent and then treated with silica gel to remove naturally occurring hydrocarbons prior to the determinative step. If you have any questions regarding the use of this standard, please contact Wibby Environmental technical assistance at 1-866-WibbyPT (866-942-2978).

### **STANDARD PREPARATION, ANALYSIS, and STORAGE**

1. For best results, the TPH concentrate should be stored near room temperature (~20°C).
2. Add approximately 950 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. Open the vial containing the TPH concentrate and transfer exactly 10.0 mL of the PT standard concentrate to the flask. Deliver the concentrate below the surface of the water.
5. Bring the sample to a final volume of one liter with ASTM Type 1 water.
6. The standard is now ready for preparation and analysis per the selected method(s).
7. The sample should be analyzed as soon as possible after dilution.
8. Report all results in mg/L per the reporting instructions contained in this booklet.
9. Store the diluted standard and any remaining concentrate at room temperature (~ 20 - 25°C).

### **REPORTING RESULTS**

1. Report results to three significant figures.
2. Report your results on line at [www.wibby.com](http://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 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.

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# 100  
Golden, CO 80403

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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