

## Instructions for: **WS Gasoline Additives (Cat # PT-ADD-WS)**

### **STANDARD DESCRIPTION**

- The WS Gasoline Additives standard is provided in a flame-sealed ampule that contains approximately 1.5 mL of concentrate.
- The WS Gasoline Additives standard is packaged in methanol.
- Store the standard in the unopened ampule refrigerated (at ~4°C).

### **ADDITIONAL INFORMATION**

- The standard has been provided as a concentrate that must be diluted prior to analysis.
- The standard has been designed and manufactured in with NELAC/EPA criteria. As such each, lot of the WS Gasoline Additives standards will contain all of the NELAC Accreditation and Experimental Analytes listed on the Data Reporting Sheets and in these instructions.
- Due to the nature of these analytes, the standard must be analyzed as soon as possible after dilution.

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

1. For best results, the PT standard should be stored refrigerated and then brought to room temperature (near 20°C) when used.
2. Bring a 100 mL Class A volumetric flask to volume with volatile-free deionized water.
3. Carefully open the ampule by snapping off the top at the narrow part of the neck.
4. Transfer exactly 50.0 µL (microliters) of the PT concentrate to the flask using a gas-tight syringe and delivering the aliquot below the surface of the water.
5. Mix the solution by inverting the volumetric flask a minimum of three times.
6. The standard is now ready for preparation and analysis per your routine method(s).
7. The sample should be analyzed as soon as possible after dilution,
8. Report all results in µg/L per the reporting instructions contained in this booklet.
9. Store the diluted standard and any remaining concentrate refrigerated (at ~4°C).

## Instructions for: WS Gasoline Additives (Cat # PT-ADD-WS) - Continued

### CONCENTRATION RANGE and PTRL

- After preparation per these instructions, the standard will contain the analytes in the following table at a certified Concentration within the ranges shown.
- 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	Units	Concentration Range	PTRL
MTBE	µg/L	5 - 50	3
<b>Additional State Specific Analytes</b>			
DIPE	µg/L	5 - 50	3
ETBE	µg/L	5 - 50	3
Freon 113	µg/L	5 - 50	3
TAME	µg/L	5 - 50	3
tert-Butyl alcohol	µg/L	5 - 50	3
Freon 11	µg/L	5 - 50	NA
1-phenylpropane	µg/L	5 - 50	NA