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**Instructions for:  
UST Alaska BTEX in Water (cat # PT-AKBTEX-USTW)  
Alaska DEC Compliant**

**SCOPE AND APPLICATION**

The enclosed Wibby Environmental's UST BTEX in Water Proficiency Testing Standard meets Alaska's state specific criteria. 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. 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** of the PT standard 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 the selected method(s). We recommend the standard be analyzed as soon as possible after dilution. If this is not possible, store the diluted standard in VOA vials at 4°C until analysis.

**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. As an alternative, you may also report your results using the Data Reporting Sheets enclosed with your standards by faxing your results to Wibby Environmental at 1-866-283-0269.

**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 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	Units	Conc Range	PTRL
Benzene	µg/L	5 – 30	NA
Ethylbenzene	µg/L	5 – 30	NA
Toluene	µg/L	5 – 30	NA
Xylenes, total	µg/L	5 – 30	NA