

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

SCOPE AND APPLICATION

Wibby Environmental's UST BTEX in Water Proficiency Testing Standard is designed to be used with all USEPA Methods. You should be familiar with the method(s) before analyzing the standard. 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 standard 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 (micro liters) of the 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, transfer the diluted standard to VOA vials and store at 4°C until analysis.

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 303-940-0043 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

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 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	Units	Concentration Range	PTRL
BTEX in Water (PT-BTEX-USTW)			
Benzene	µg/L	8.00 - 120	4.60
Ethylbenzene	µg/L	9.00 - 100	5.80
Toluene	µg/L	7.00 - 100	4.90
Xylenes, total	µg/L	20.0 - 300	10.0
MTBE	µg/L	15.0 - 150	9.00