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**Instructions for:
WP Demand (cat # PT-DEM-WP)**

SCOPE AND APPLICATION

Wibby Environmental's WP Demand Proficiency Testing Standard is designed to be used with promulgated EPA methods as well as applicable methods from consensus organizations such as AWWA and ASTM. 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 stored at 4°C.
2. Add approximately 900 mL of ASTM Type 1 water to a 1000 mL class A volumetric flask.
3. Transfer exactly 10.0 mL of the PT standard concentrate to the flask using a class A volumetric pipette.
4. Bring the flask to volume with ASTM Type 1 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).

NOTE:

The WP Demand Concentrate is preserved with 0.4% (v/v) sulfuric acid. After dilution per the instructions above the acid concentration will be 0.004%. When analyzing for BOD and CBOD, please ensure that any pH adjustments are completed per the requirements of methods used to determine these analytes.

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 1-866-283-0269 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.

SAFETY

The 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 analytes listed below at a certified Concentration within the ranges 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
BOD	mg/L	15.0 – 250	4.50
CBOD	mg/L	15.0 – 250	3.70
COD	mg/L	30.0 – 250	17.0
TOC	mg/L	6.00 – 100	4.80