

## Instructions for: *UST Oil and Grease (Concentrate in Acetone)*

### SCOPE AND APPLICATION

Wibby Environmental's UST Oil and Grease 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

- For best results, the Oil and Grease concentrate should be stored near room temperature (~20°C).
- Add approximately 950 mL of ASTM Type 1 water to a 1000 mL Class A volumetric flask or to a tared sample bottle.
- Carefully add 10.0 mL of the acid your lab normally uses to preserve samples for oil and grease determination (either hydrochloric or sulfuric).
- Open the vial containing the Oil and Grease concentrate and transfer exactly 10.0 mL of the PT standard concentrate to the flask. Deliver the concentrate below the surface of the water.
- Bring the sample to a final volume of one liter with ASTM Type 1 water.
- The standard is now ready for preparation and analysis per the selected method(s).
- The sample should be analyzed as soon as possible after dilution,
- Report all results in mg/L per the reporting instructions shown below.
- Store the diluted standard and any remaining concentrate at room temperature (~ 20 - 25°C).

### REPORTING RESULTS

- Report results to three significant figures.

- 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.
- 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.
- 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

- The standard will contain the analyte listed below at a certified Concentration within the range 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	Conc Range <sup>1</sup>	PTRL <sup>1</sup>
Oil and Grease (n-hexane extractable material)	20.0 - 200	8.80

- Units are mg/L.