

Instructions for: *Wisconsin GRO (Gasoline Range Organics) (Cat# PT-WIGRO-USTW)*

SCOPE AND APPLICATION

Wibby Environmental's Wisconsin GRO (Gasoline Range Organics) Proficiency Testing Standard is designed to be used with the Wisconsin DNR "Method for Determining Gasoline Range Organics", September 1995, method. You should be familiar with this method before analyzing the standard. If you have any questions about the use of these standards or need a copy of the Wisconsin DRO method, 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 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 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 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 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

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).

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Underground Storage Tank PT Concentration Ranges and PTRLs

Definitions:

PTRL

NELAC Proficiency Testing Reporting Limits (PTRLs) are provided as guidance to laboratories analyzing NELAC PT samples. At a minimum, the laboratory should use a method that is sensitive enough to generate quantitative results at the PTRLs shown. (REF: NELAC PT FOT Tables)

NA

Not Applicable (NA) has been applied to analytes where a PTRL is not applicable and to state specific analytes that have not had a PTRL determined by the applicable accrediting agency.

Wisconsin GRO in Water (PT-WIGRO-USTW)

NELAC Code	Analyte	Units	Concentration Range	PTRL
Additional State Specific Analytes				
9408	Gasoline range organics (GRO)	µg/L	200 - 600	NA
4375	Benzene	µg/L	20.0 - 75.0	NA
4765	Ethylbenzene	µg/L	20.0 - 75.0	NA
5000	Methyl tert-butyl ether (MTBE)	µg/L	20.0 - 75.0	NA
5140	Toluene	µg/L	20.0 - 75.0	NA
5210	1,2,4-Trimethylbenzene	µg/L	20.0 - 75.0	NA
5215	1,3,5-Trimethylbenzene	µg/L	20.0 - 75.0	NA
5260	Xylenes, total	µg/L	20.0 - 150	NA