

Instructions for: WP PAHs- HPLC (Cat # PT-PAH-WP)

STANDARD DESCRIPTION

- The WP PAHs- HPLC standard is provided in a flame sealed ampule that contains approximately 2.1 mL of concentrate.
- The WP PAHs- HPLC standard is packaged in acetone.
- Store the standard in the unopened ampule refrigerated (at ~4°C).

ADDITIONAL INFORMATION

- The standard has been provided as a concentrate that must be diluted prior to analysis.
- The standard has been designed and manufactured in compliance with NELAC/EPA criteria. As such, each lot of the WP PAHs- HPLC standards will contain a minimum of 80% of the total number of NELAC Experimental Analytes listed on the Data Reporting Sheets and in these instructions.
- Refer to "Reporting Instructions" section of this booklet for guidance on reporting results for analytes that you do not detect.
- The standard should be prepared and analyzed as soon as possible after dilution.

STANDARD PREPARATION, ANALYSIS and STORAGE

1. For best results, the PT standard should be stored refrigerated and then brought to room temperature (near 20°C) when used.
2. Add approximately 990 mL of organic free deionized water to a 1000 mL Class A volumetric flask.
3. Carefully open the ampule by snapping off the top at the narrow part of the neck.
4. Transfer exactly 1.0 mL of the PT standard concentrate to the flask using a gas tight syringe and delivering the aliquot below the surface of the water.
5. Bring the volumetric flask to volume with organic free deionized water.
6. Mix the solution by inverting the volumetric flask a minimum of three times.
7. The standard is now ready for preparation and analysis per your routine method(s).s).
8. The sample should be analyzed as soon as possible after dilution,
9. Report all results in µg/L per the reporting instructions contained in this booklet.
10. Store the diluted standard and any remaining concentrate refrigerated (at ~4°C).

6390 Joyce Drive
100
Golden, CO 80403

Phone 303-940-0033
Fax 866-283-0269
www.wibby.com

Water Pollution Proficiency Testing 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.

PAHs - HPLC (PT-PAH-WP)

NELAC Code	Analyte	Units	Concentration Range	PTRL
5500	Acenaphthene	µg/L	2.00 - 20.0	0.790
5505	Acenaphthylene	µg/L	2.00 - 20.0	0.730
5555	Anthracene	µg/L	0.500 - 5.00	0.140
5575	Benzo(a)anthracene	µg/L	0.500 - 5.00	0.200
5585	Benzo(b)fluoranthene	µg/L	0.500 - 5.00	0.250
5600	Benzo(k)fluoranthene	µg/L	0.500 - 5.00	0.220
5590	Benzo(g,h,i)perylene	µg/L	0.500 - 5.00	0.180
5580	Benzo(a)pyrene	µg/L	0.500 - 5.00	0.210
5855	Chrysene	µg/L	0.500 - 5.00	0.230
5895	Dibenz(a,h)anthracene	µg/L	0.500 - 5.00	0.100
6265	Fluoranthene	µg/L	0.500 - 5.00	0.250
6270	Fluorene	µg/L	2.00 - 10.0	0.740
6315	Indeno(1,2,3-cd)pyrene	µg/L	0.500 - 5.00	0.200
5005	Naphthalene	µg/L	2.00 - 10.0	0.560
6615	Phenanthrene	µg/L	0.500 - 5.00	0.240
6665	Pyrene	µg/L	0.500 - 5.00	0.280