

Instructions for: WP Pesticides (Cat # PT-PEST-WP)

STANDARD DESCRIPTION

- The WP Pesticides standard is provided in a flame sealed ampule that contains approximately 2.1 mL of concentrate.
- The WP Pesticides 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. Although the NELAC/EPA criteria require us to include a minimum of 80% of the total number of NELAC Accreditation and Experimental Analytes in each lot of WP Pesticides, we generally include all of the analytes listed on the Data Reporting Sheets and in these instructions in every lot of WP Pesticides.
- 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).

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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.

Pesticides (PT-PEST-WP)

NELAC Code	Analyte	Units	Concentration Range	PTRL
7025	Aldrin	µg/L	0.500 - 15.0	0.170
7110	alpha-BHC	µg/L	2.00 - 15.0	0.600
7115	beta-BHC	µg/L	2.00 - 15.0	0.770
7105	delta-BHC	µg/L	2.00 - 15.0	0.570
7120	gamma-BHC (Lindane)	µg/L	2.00 - 15.0	0.740
7240	alpha-Chlordane	µg/L	1.00 - 9.80	0.430
7245	gamma-Chlordane	µg/L	1.20 - 7.80	0.550
7355	4,4'-DDD	µg/L	2.00 - 10.0	0.970
7360	4,4'-DDE	µg/L	2.00 - 10.0	0.840
7365	4,4'-DDT	µg/L	1.00 - 10.0	0.380
7470	Dieldrin	µg/L	1.00 - 13.0	0.430
7510	Endosulfan I	µg/L	4.00 - 17.0	0.830
7515	Endosulfan II	µg/L	4.00 - 20.0	1.40
7520	Endosulfan sulfate	µg/L	2.00 - 20.0	0.690
7540	Endrin	µg/L	2.00 - 20.0	0.850
7530	Endrin aldehyde	µg/L	4.00 - 20.0	0.930
7535	Endrin ketone	µg/L	4.00 - 20.0	2.00
7685	Heptachlor	µg/L	1.00 - 10.0	0.330
7690	Heptachlor Epoxide (beta)	µg/L	1.00 - 10.0	0.420
7810	Methoxychlor	µg/L	2.00 - 15.0	0.400