

Instructions for: WP Herbicides (Cat # PT-HERB-WP)

STANDARD DESCRIPTION

- The WP Herbicides standard is provided in a flame sealed ampule that contains approximately 2.1 mL of concentrate.
- The WP Herbicides standard is packaged in methanol.
- 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 Herbicides standards will contain all of the NELAC Accreditation Analytes listed on the Data Reporting Sheets and in these instructions plus a subset of the “Additional State Specific Analytes.”
- 4-Nitrophenol and Pentachlorophenol in the WP herbicides standard is not compliant with the NELAC/EPA concentration range for these analytes. If you need a NELAC/EPA-compliant sample for 4-Nitrophenol and/or pentachlorophenol, please order the WP Acids standard (catalog #PT-ACIDS-WP).
- 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.

Herbicides (PT-HERB-WP)

NELAC Code	Analyte	Units	Concentration Range	PTRL
8545	2,4-D	µg/L	2.00 - 10.0	0.200
8595	Dicamba	µg/L	2.00 - 10.0	0.200
8655	2,4,5-T	µg/L	2.00 - 10.0	0.200
8650	2,4,5-TP (Silvex)	µg/L	2.00 - 10.0	0.200
Additional State Specific Analytes				
8505	Acifluorfen	µg/L	2.00 - 10.0	NA
8530	Bentazon	µg/L	2.00 - 10.0	NA
7135	Brominal (Bromoxynil)	µg/L	2.00 - 10.0	NA
8540	Chloramben	µg/L	2.00 - 10.0	NA
8560	2,4-DB	µg/L	2.00 - 10.0	NA
8605	2,4-DP (Dichlorprop)	µg/L	2.00 - 10.0	NA
8550	Dacthal (DCPA)	µg/L	2.00 - 10.0	NA
8555	Dalapon	µg/L	2.00 - 10.0	NA
8600	3,5-Dichlorobenzoic acid	µg/L	2.00 - 10.0	NA
8620	Dinoseb (2-sec-butyl-4,6-dinitrophenol, DNBP)	µg/L	2.00 - 10.0	NA
7775	MCPA	µg/L	25.0 - 100	NA
7780	MCPP	µg/L	25.0 - 100	NA
6500	4-Nitrophenol	µg/L	2.00 - 10.0	NA
6605	Pentachlorophenol	µg/L	2.00 - 10.0	NA
8645	Picloram	µg/L	2.00 - 10.0	NA