

Instructions for: WP OPPs (cat # PT-OPP-WP)

STANDARD DESCRIPTION

- The WP OPPs standard is provided in a flame sealed ampule that contains approximately 2.1 mL of concentrate.
- The WP OPPs 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 OPPs standards will contain all of the NELAC Accreditation Analytes listed on the Data Reporting Sheets and in these instructions.
- 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).
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).

CONCENTRATION RANGE and PTRL

- After preparation per these instructions, the standard will contain the analytes in the following table at a certified Concentration within the ranges 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.

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.

OPP (PT-OPP-WP)

NELAC Code	Analyte	Units	Concentration Range	PTRL
NELAC Experimental Analytes				
7075	Azinphos-methyl (Guthion)	µg/L	3.60 - 13.8	0.360
7410	Diazinon	µg/L	2.00 - 15.0	0.800
8625	Disulfoton	µg/L	2.00 - 15.0	0.330
7770	Malathion	µg/L	2.00 - 20.0	0.200
7955	Parathion, ethyl	µg/L	3.00 - 20.0	1.60
Additional State Specific Analytes				
7220	Carbophenothion	µg/L	1.00 - 100	NA
7300	Chlorpyrifos	µg/L	1.00 - 100	NA
7395	Demeton-o	µg/L	1.00 - 100	NA
7385	Demeton-s	µg/L	1.00 - 100	NA
7390	Demeton O & S	µg/L	1.00 - 100	NA
8610	Dichlorovos (DDVP, Dichlorvos)	µg/L	2.00 - 20.0	NA
7475	Dimethoate	µg/L	1.00 - 100	NA
7495	Dioxathion	µg/L	1.00 - 100	NA
7565	Ethion	µg/L	1.00 - 100	NA
7570	Ethoprop	µg/L	1.00 - 100	NA
7580	Famphur	µg/L	1.00 - 100	NA
7640	Fonophos	µg/L	1.00 - 100	NA
7825	Methyl parathion (Parathion, methyl)	µg/L	1.00 - 100	NA
7985	Phorate	µg/L	1.00 - 100	NA
8000	Phosmet (Imidan)	µg/L	1.00 - 100	NA
8110	Ronnel	µg/L	2.00 - 20.0	NA
8185	Terbufos	µg/L	1.00 - 100	NA
8200	Tetrachlorvinphos (Stirophos, Gardona)	µg/L	2.00 - 20.0	NA