

Instructions for: *WS Pesticides (Cat # PT-PEST-WS)*

STANDARD DESCRIPTION

- The WS Pesticides standard is provided in a flame sealed ampule that contains approximately 2.1 mL of concentrate.
- The WS 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. As such, each lot of the WS Pesticides standard will contain a minimum of 80% of the total number of NELAC 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).
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 Supply 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-WS)

NELAC Code	Analyte	Units	Concentration Range	PTRL
7005	Alachlor	µg/L	2.00 - 20.0	1.10
7025	Aldrin	µg/L	0.200 - 2.50	0.0800
7065	Atrazine	µg/L	2.00 - 20.0	1.10
7160	Butachlor	µg/L	2.00 - 20.0	1.10
7470	Dieldrin	µg/L	0.500 - 2.50	0.280
7540	Endrin	µg/L	0.200 - 2.50	0.140
7685	Heptachlor	µg/L	0.200 - 2.50	0.110
7690	Heptachlor Epoxide (beta)	µg/L	0.200 - 2.50	0.110
6275	Hexachlorobenzene	µg/L	0.500 - 5.00	0.220
6285	Hexachlorocyclopentadiene	µg/L	2.00 - 20.0	0.490
7120	Lindane	µg/L	0.200 - 2.50	0.110
7810	Methoxychlor	µg/L	2.00 - 20.0	1.10
7835	Metolachlor	µg/L	2.00 - 20.0	1.10
7845	Metribuzin	µg/L	2.00 - 20.0	1.00
8045	Propachlor	µg/L	1.00 - 10.0	0.550
8125	Simazine	µg/L	2.00 - 20.0	1.10
8295	Trifluralin	µg/L	1.00 - 10.0	0.550
Additional State Specific Analytes				
7130	Bromacil	µg/L	2.00 - 20.0	1.10
7285	Chlorothalonil	µg/L	0.500 - 30.0	NA
7410	Diazinon	µg/L	0.500 - 30.0	NA
7475	Dimethoate	µg/L	0.500 - 30.0	NA
7875	Molinate	µg/L	5.00 - 50.0	2.70
8035	Prometon	µg/L	0.500 - 30.0	NA
8040	Prometryn	µg/L	0.500 - 30.0	NA
8220	Thiobencarb	µg/L	0.500 - 30.0	NA