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Instructions for: **WP Organophosphorus Pesticides (cat # PT-OPP-WP)**

SCOPE AND APPLICATION

Wibby Environmental's WP Organophosphorus Pesticides (OPP) Proficiency Testing Standard is designed to be used with promulgated EPA methods as well as applicable methods from consensus organizations such as AWWA and ASTM. You should be familiar with the method(s) before analyzing the standard. If you have any questions about the use of these standards, please contact Wibby Environmental Customer Service at 1-866-WibbyPT (866-942-2978).

SAMPLE PREPARATION AND ANALYSIS

1. For best results, the PT standards 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 the selected method(s). We recommend the standard be analyzed as soon as

possible after dilution. If this is not possible, store the diluted standard at 4° C until analysis.

REPORTING RESULTS

1. Report results to three significant figures.
2. Report your results on line at www.wibby.com. Click on the "Online Data Entry" link or the "PT Manage" link.
3. You may also report your results using the Data Reporting Sheets enclosed with your standards. FAX your results to Wibby Environmental at 1-866-283-0269 or mail the results to Wibby Environmental, 6390 Joyce Drive, #100, Golden, CO, 80403.
4. Wibby Environmental must receive all results prior to the study closing date shown on the Data Reporting Sheets.

SAFETY

These standards are designed for use by laboratory professionals who are familiar with handling environmental reference materials as well as hazardous materials. If you have any questions about the safe handling of these standards or require a Material Safety Data Sheet (MSDS,) please contact Wibby Environmental at 1-866-WibbyPT (866-942-2978).

QUESTIONS?

If you have any questions regarding these standards or reporting requirements, please call Wibby Environmental at 1-866-WibbyPT (866-942-2978).



WP Organophosphorus Pesticides Concentration Ranges and PTRLS

Analyte	Units	Conc Range ¹	PTRL ²
NELAC Experimental Analytes³			
Azinphos-methyl (Guthion)	µg/L	3.60 to 13.8	0.360
Diazinon	µg/L	2.00 to 15.0	0.800
Endrin ketone	µg/L	2.00 to 10.0	1.10
Malathion	µg/L	2.00 to 20.0	0.200
Parathion, ethyl	µg/L	3.00 to 20.0	1.60

1. The standard will contain the analytes listed at a certified concentration within the ranges shown.
2. The NELAC Proficiency Testing Reporting Limits (PTRL) are 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.
3. Per NELAC requirements, NELAC Experimental Analytes must be analyzed and reported by NELAC accredited laboratories if the analyte is on the laboratory's scope of accreditation. The result for an experimental PT analyte cannot be used by a NELAC accrediting agency for denying or removing a laboratory's accreditation for that analyte.