VWR
We Enable Science

Cleaning Protocol Form

Validation Statement: The following containers were pre-cleaned according to one of three cleaning protocols listed below:

Cleaning Protocol A:

Note:
Containers used in the analyses of: Metals, (Organics - Extractables BNAs, Pesticides/PCBs, - (Glass only)), Inorganics - Cyanide, Sulfide, Alkalinity, Anions as (Fluoride, Chlorides, Sulfate), Acidity, Hardness, (TOC, Oil & Grease, Phenolics - Glass only)

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed with 1:1 Nitric acid.
3. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
4. Oven Dried.

Cleaning Protocol B: X

Note:
Containers used in the analysis of: Organic - Purgeables (VOCs), PCB Wipes.

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Oven Dried.

Cleaning Protocol C:

Note:
Containers used in the analyses of: Inorganics - BOD, CBOD, COD, Residues as TSS, TS, TDS, VSS, Hardness, Nitrogen Species (Ammonia, TKN, Nitrate, Nitrite), TOC & Oil & Grease (Glass only)

1. Virgin containers are cycle washed using ASTM Type I Deionized water.
2. Cycle rinsed with 1:1 Hydrochloric acid.
3. Cycle rinsed *thoroughly* with ASTM Type I Deionized water.
4. Oven Dried.

X This case is NOT preserved.

Stirbars: *Yes* X *No* *Bar-Coded:* *Yes* X *No* *Tared Weight:* *Yes* X *No*

Level: Processed (PC) (X)

Glassware / Plasticware received full Quality Assurance and Quality Control treatment. Containers, liners, and closures as applicable, are cleaned according to EPA recommended procedures and validated through a third party (NELAP) testing Laboratory. Each case of containers is custody sealed and labeled for traceability by Lot Number. C&G Containers, at its discretion, may change the cleaning protocol process(es) to ensure cleanliness in meeting analyte specifications or other requirments of this product.

Available Preservatives:

Ascorbic Acid (crystal)	Ammonium Chloride (crystal)	Deionized Water	1:1 Hydrochloric Acid
Methanol	1:1 Nitric Acid	18.8% - 19.6% Nitric Acid	1:1 Phosphoric Acid
Potassium Acetate (crystal)	Potassium Phosphate Monobasic (crystal)	Monochloroacetic Acid/ Potassium Acetate Buffer Solution	1:1 Sulfuric Acid
Sodium Azide (crystal)	Sodium Bisulfate (crystal)	Sodium Bisulfate Solution (1 g / 5 ml DI)	Sodium Phosphate Tribasic (crystal)
6 N Sodium Hydroxide	10 N Sodium Hydroxide	1:1 Sodium Hydroxide	Sodium Phosphate Tribasic Solution (1 g / 5 ml DI)
1 Molar Sodium Sulfite Solution	Sodium Sulfite (crystal)	Zinc Acetate (crystal)	1 N Zinc Acetate
Sodium Thiosulfate (crystal)	10% Sodium Thiosulfate	0.1 N Sodium Thiosulfate	0.008% Sodium Thiosulfate

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NOTES:
a. Solid-top caps feature fluoropolymer resin liners. Open-top caps feature ultrasonically bonded 3.1mm (1/8") fluoropolymer resin/silicone septa.

This "Cleaning Protocol Form" is provided for your records and is used to facilitate any required correspondences as needed.

Date: 10/21/2019

Item Description: 20mL Vials
Open-Top Cap, Processed

Lot Number: 102119-3 QLFV15900020

VWR Part No.: 89093-854

Protocol: **Level:** PC

Chemical Lot No.: N/A

Quality Manager
Manufactured for VWR International