



### CERTIFICATE OF ANALYSIS

This "Certificate of Analysis" represents a precleaned product that has been prepared in accordance with Performance-Based specifications. This product meets or exceeds analyte specifications established in the U. S. EPA OSWER Directive 9240.0-05A "Specification and Guidance for Contaminant-free Sample Containers" for use in Superfund and other Hazardous waste programs.

#### Group 3 Volatile Organic Compounds (VOCs)

| Analyte                     | RL ug/L | Analyte                    | RL ug/L | Analyte                   | RL ug/L    |
|-----------------------------|---------|----------------------------|---------|---------------------------|------------|
| Acetone                     | 5.0 U   | trans-1,2-Dichloroethylene | 0.50 U  | n-Propylbenzene           | 0.50 U     |
| Benzene                     | 0.50 U  | 1,2-Dichloropropane        | 0.50 U  | Styrene                   | 0.50 U     |
| Bromobenzene                | 0.50 U  | 1,3-Dichloropropane        | 0.50 U  | Tert-Amyl Alcohol         | 50 U       |
| Bromochloromethane          | 0.50 U  | 2,2-Dichloropropane        | 0.50 U  | Tert-Amyl Methyl Ether    | 1.0 U      |
| Bromodichloromethane        | 0.50 U  | 1,1-Dichloropropene        | 0.50 U  | Tert-Butyl Alcohol        | 50 U       |
| Bromoform                   | 0.50 U  | cis-1,3-Dichloropropene    | 0.50 U  | 1,1,1,2-Tetrachloroethane | 0.50 U     |
| n-Butylbenzene              | 0.50 U  | trans-1,3-Dichloropropene  | 0.50 U  | 1,1,2,2-Tetrachloroethane | 0.50 U     |
| sec-Butylbenzene            | 0.50 U  | Di-Isopropyl Ether         | 0.50 U  | Tetrachloroethylene       | 0.50 U     |
| tert-Butylbenzene           | 0.50 U  | Ethyl Acetate              | 0.50 U  | Toluene                   | 0.50 U     |
| Carbon Disulfide            | 0.50 U  | Ethyl Alcohol              | 50 U    | 1,2,3-Trichlorobenzene    | 0.50 U     |
| Carbon Tetrachloride        | 0.50 U  | Ethylbenzene               | 0.50 U  | 1,2,4-Trichlorobenzene    | 0.50 U     |
| Chlorobenzene               | 0.50 U  | Ethyl Tert-Butyl Ether     | 0.50 U  | 1,1,1-Trichloroethane     | 0.50 U     |
| Chloroethane                | 0.50 U  | 2-Hexanone                 | 1.0 U   | 1,1,2-Trichloroethane     | 0.50 U     |
| Chloroform                  | 0.50 U  | Hexachlorobutadiene        | 0.50 U  | Trichloroethylene         | 0.50 U     |
| 2-Chlorotoluene (ortho)     | 0.50 U  | Isopropyl Alcohol          | 5.0 U   | Trichlorofluoromethane    | 0.50 U     |
| 4-Chlorotoluene (para)      | 0.50 U  | Isopropylbenzene           | 0.50 U  | 1,2,3-Trichloropropane    | 0.50 U     |
| Dibromochloromethane        | 0.50 U  | p-Isopropyltoluene         | 0.50 U  | 1,2,4-Trimethylbenzene    | 0.50 U     |
| 1,2-Dibromo-3-chloropropane | 0.50 U  | Methyl Acetate             | 0.50 U  | 1,3,5-Trimethylbenzene    | 0.50 U     |
| 1,2-Dibromoethane           | 0.50 U  | Methyl Bromide             | 0.50 U  | Vinyl Acetate             | 0.50 U     |
| Dichlorodifluoromethane     | 0.50 U  | Methyl Chloride            | 0.50 U  | Vinyl Chloride            | 0.50 U     |
| 1,3-Dichlorobenzene (meta)  | 0.50 U  | Methylene Bromide          | 0.50 U  | m,p-Xylene                | 1.0 U      |
| 1,2-Dichlorobenzene (ortho) | 0.50 U  | Methylene Chloride         | 0.50 U  | o-Xylene                  | 0.50 U     |
| 1,4-Dichlorobenzene (para)  | 0.50 U  | Methyl Ethyl Ketone        | 5.0 U   | Xylene (total)            | 0.50 U     |
| 1,1-Dichloroethane          | 0.50 U  | 4-Methyl-2-pentanone       | 0.50 U  | GRO (8015 C6-C10)         | 100 U      |
| 1,2-Dichloroethane          | 0.50 U  | Methyl Tert Butyl Ether    | 0.50 U  | TOC                       | 1.0 U mg/L |
| 1,1-Dichloroethylene        | 0.50 U  | Naphthalene                | 0.50 U  |                           |            |
| cis-1,2-Dichloroethylene    | 0.50 U  |                            |         |                           |            |

**NOTES:**

- a. RL = Reporting Limit.
- b. U = The analyte was analyzed for but not detected above the Reporting Limit.
- c. Bottles are Type III Soda Lime and vials are Type I Borosilicate.
- d. Vial Storage: Store at 85F or 29.4C. Keep away from organic vapors.
- e. Solid-top caps feature fluoropolymer resin liners. Open-top caps feature ultrasonically bonded 3.1mm (1/8") fluoropolymer resin/silicone septa.

This "Certificate of Analysis" is provided for your records and is used to facilitate any required correspondences as needed.

Barcoded:  Yes    No    Stirbars:    Yes     No    Tared Weight:    Yes     No

**Level: Quality Assured (QA) (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.

Part Number: QLFV15900026

Lot Number: 060925-3BOF

VWR Part No.: 89093-838

Date Product Prepared: 6/9/2025

Item Description: 20mL Vials  
Quality Assured

Protocol: B    Level: QA

Group: 3 (applies)

Chief Executive Officer  
Manufactured for VWR International