VWR®
We Enable Science

# 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.

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*Barcoded:* **X** *Yes* *No* *Stirbars:* *Yes* **X** *No* *Tared Weight:* *Yes* **X** *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:** QLAV15900036

**Lot Number:** 111626-3BMT

**VWR Part No.:** 89093-874

**Date Product Prepared:** 11/17/2026

**Item Description:** 40mL Amber Vials
Open-Top Cap, Quality Assured

**Protocol:** B **Level:** QA

**Group:** 3 (applies)

**Chief Executive Officer**
**Manufactured for VWR International**