

Certificate of Analysis

Volatiles Sample
Catalog Number: QCM-110
Code Number: 37473

This ULTRAcheck® sample was gravimetrically prepared, and the analyte concentrations were confirmed using high resolution gas chromatography. All operations were carried out under ULTRA Scientific's ISO 9001 registered quality system. The true values represent the gravimetrically determined values when the sample has been prepared according to the accompanying instructions. All gravimetric values are traceable to NIST.

| Analyte | CAS # | True Value (µg/L) | Advisory Range* |
|--------------------------|----------|----------------------|-----------------|
| benzene | 71-43-2 | 13.8 | 11.1 - 16.6 |
| bromodichloromethane | 75-27-4 | 2.81 | 2.25 - 3.38 |
| bromoform | 75-25-2 | 12.5 | 10.0 - 15.0 |
| sec-butylbenzene | 135-98-8 | 14.1 | 11.3 - 16.9 |
| carbon tetrachloride | 56-23-5 | 17.2 | 13.8 - 20.6 |
| chlorobenzene | 108-90-7 | 12.2 | 9.8 - 14.7 |
| chloroform | 67-66-3 | 14.2 | 11.3 - 17.0 |
| 4-chlorotoluene | 106-43-4 | 8.78 | 5.27 - 12.29 |
| dibromochloromethane | 124-48-1 | 15.6 | 12.5 - 18.7 |
| 1,2-dibromoethane | 106-93-4 | 14.9 | 8.9 - 20.8 |
| 1,2-dichlorobenzene | 95-50-1 | 12.2 | 9.8 - 14.6 |
| 1,4-dichlorobenzene | 106-46-7 | 11.9 | 9.5 - 14.2 |
| 1,2-dichloroethane | 107-06-2 | 13.6 | 10.8 - 16.3 |
| 1,1-dichloroethene | 75-35-4 | 11.8 | 9.5 - 14.2 |
| cis-1,2-dichloroethene | 156-59-4 | 2.41 | 1.45 - 3.38 |
| trans-1,2-dichloroethene | 156-60-5 | 5.91 | 3.55 - 8.28 |
| 1,1-dichloropropene | 563-58-6 | 11.3 | 9.0 - 13.6 |
| ethylbenzene | 100-41-4 | 11.1 | 8.8 - 13.3 |
| isopropylbenzene | 98-82-8 | 15.7 | 12.5 - 18.8 |
| styrene | 100-42-5 | 9.49 | 5.69 - 13.29 |
| tetrachloroethene | 127-18-4 | 12.7 | 10.1 - 15.2 |
| toluene | 108-88-3 | 12.4 | 9.9 - 14.8 |
| 1,1,1-trichloroethane | 71-55-6 | 2.31 | 1.39 - 3.23 |
| trichloroethene | 79-01-6 | 14.7 | 11.8 - 17.6 |
| vinyl chloride | 75-01-4 | 8.03 | 4.82 - 11.24 |
| o-xylene | 95-47-6 | 10.6 | 8.4 - 12.7 |
| m-xylene | 108-38-3 | 12.9 | 10.3 - 15.5 |
| p-xylene | 106-42-3 | 6.73 | 4.04 - 9.43 |

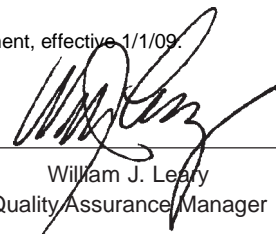
* Calculated from the NELAC Drinking Water Fields of Testing Document, effective 1/1/09.



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