

Analytical Method Information

| Analyte | MDL | Reporting | Surrogate | Duplicate | Matrix Spike | | Blank Spike / LCS | |
|---|------|-----------|-----------|-----------|--------------|-----|-------------------|-----|
| | | Limit | %R | RPD | %R | RPD | %R | RPD |
| 524.2 + Oxys in Water (EPA 524.2) | | | | | | | | |
| Preservation: Dechlorinate; HCl to pH<2; Store cool at 4°C | | | | | | | | |
| Container: VOA Vial - HCl | | | | | | | | |
| Amount Required: 4 VOA vials | | | | | | | | |
| Hold Time: 14 days | | | | | | | | |
| Acetone | 1.3 | 5.0 ug/l | | | 70 - 130 | 30 | 70 - 130 | 30 |
| Acrylonitrile | 0.29 | 5.0 ug/l | | | 70 - 130 | 30 | 70 - 130 | 30 |
| Benzene | 0.30 | 0.30 ug/l | | | 70 - 130 | 30 | 70 - 130 | 30 |
| Bromobenzene | 0.23 | 0.50 ug/l | | | 70 - 130 | 30 | 70 - 130 | 30 |
| Bromochloromethane | 0.17 | 0.50 ug/l | | | 70 - 130 | 30 | 70 - 130 | 30 |
| Bromodichloromethane | 0.14 | 0.50 ug/l | | | 70 - 130 | 30 | 70 - 130 | 30 |
| Bromoform | 0.28 | 0.50 ug/l | | | 70 - 130 | 30 | 70 - 130 | 30 |
| Bromomethane | 0.28 | 0.50 ug/l | | | 70 - 130 | 30 | 70 - 130 | 30 |
| n-Butylbenzene | 0.26 | 0.50 ug/l | | | 70 - 130 | 30 | 70 - 130 | 30 |
| sec-Butylbenzene | 0.31 | 0.50 ug/l | | | 70 - 130 | 30 | 70 - 130 | 30 |
| tert-Butylbenzene | 0.27 | 0.50 ug/l | | | 70 - 130 | 30 | 70 - 130 | 30 |
| Carbon disulfide | 0.22 | 0.50 ug/l | | | 70 - 130 | 30 | 70 - 130 | 30 |
| Carbon tetrachloride | 0.32 | 0.50 ug/l | | | 70 - 130 | 30 | 70 - 130 | 30 |
| Chlorobenzene | 0.20 | 0.50 ug/l | | | 70 - 130 | 30 | 70 - 130 | 30 |
| Chloroethane | 0.33 | 0.50 ug/l | | | 70 - 130 | 30 | 70 - 130 | 30 |
| Chloroform | 0.27 | 0.50 ug/l | | | 70 - 130 | 30 | 70 - 130 | 30 |
| Chloromethane | 0.34 | 0.50 ug/l | | | 70 - 130 | 30 | 70 - 130 | 30 |
| 2-Chlorotoluene | 0.22 | 0.50 ug/l | | | 70 - 130 | 30 | 70 - 130 | 30 |
| 4-Chlorotoluene | 0.19 | 0.50 ug/l | | | 70 - 130 | 30 | 70 - 130 | 30 |
| Dibromochloromethane | 0.30 | 0.50 ug/l | | | 70 - 130 | 30 | 70 - 130 | 30 |
| Dibromomethane | 0.21 | 0.50 ug/l | | | 70 - 130 | 30 | 70 - 130 | 30 |
| 1,2-Dichlorobenzene | 0.24 | 0.50 ug/l | | | 70 - 130 | 30 | 70 - 130 | 30 |
| 1,3-Dichlorobenzene | 0.25 | 0.50 ug/l | | | 70 - 130 | 30 | 70 - 130 | 30 |
| 1,4-Dichlorobenzene | 0.22 | 0.50 ug/l | | | 70 - 130 | 30 | 70 - 130 | 30 |
| Dichlorodifluoromethane | 0.31 | 0.50 ug/l | | | 70 - 130 | 30 | 70 - 130 | 30 |
| 1,1-Dichloroethane | 0.22 | 0.50 ug/l | | | 70 - 130 | 30 | 70 - 130 | 30 |
| 1,2-Dichloroethane | 0.13 | 0.50 ug/l | | | 70 - 130 | 30 | 70 - 130 | 30 |
| 1,1-Dichloroethene | 0.30 | 0.30 ug/l | | | 70 - 130 | 30 | 70 - 130 | 30 |
| cis-1,2-Dichloroethene | 0.37 | 0.50 ug/l | | | 70 - 130 | 30 | 70 - 130 | 30 |
| trans-1,2-Dichloroethene | 0.37 | 0.50 ug/l | | | 70 - 130 | 30 | 70 - 130 | 30 |
| 1,2-Dichloropropane | 0.18 | 0.50 ug/l | | | 70 - 130 | 30 | 70 - 130 | 30 |
| 1,3-Dichloropropane | 0.18 | 0.50 ug/l | | | 70 - 130 | 30 | 70 - 130 | 30 |
| 2,2-Dichloropropane | 0.28 | 0.50 ug/l | | | 70 - 130 | 30 | 70 - 130 | 30 |
| 1,1-Dichloropropene | 0.26 | 0.50 ug/l | | | 70 - 130 | 30 | 70 - 130 | 30 |
| cis-1,3-Dichloropropene | 0.23 | 0.50 ug/l | | | 70 - 130 | 30 | 70 - 130 | 30 |
| trans-1,3-Dichloropropene | 0.27 | 0.50 ug/l | | | 70 - 130 | 30 | 70 - 130 | 30 |
| 1,3-Dichloropropene (total) | 0.27 | 0.50 ug/l | | | | | | |
| Ethylbenzene | 0.21 | 0.50 ug/l | | | 70 - 130 | 30 | 70 - 130 | 30 |
| Hexachlorobutadiene | 0.40 | 0.50 ug/l | | | 70 - 130 | 30 | 70 - 130 | 30 |
| Isopropylbenzene | 0.29 | 0.50 ug/l | | | 70 - 130 | 30 | 70 - 130 | 30 |
| p-Isopropyltoluene | 0.34 | 0.50 ug/l | | | 70 - 130 | 30 | 70 - 130 | 30 |
| Methyl ethyl ketone | 0.52 | 1.0 ug/l | | | 70 - 130 | 30 | 70 - 130 | 30 |
| Methyl isobutyl ketone | 0.40 | 1.0 ug/l | | | 70 - 130 | 30 | 70 - 130 | 30 |
| Methylene chloride | 0.28 | 0.50 ug/l | | | 70 - 130 | 30 | 70 - 130 | 30 |
| Naphthalene | 0.19 | 0.50 ug/l | | | 70 - 130 | 30 | 70 - 130 | 30 |
| n-Propylbenzene | 0.26 | 0.50 ug/l | | | 70 - 130 | 30 | 70 - 130 | 30 |
| Styrene | 0.18 | 0.50 ug/l | | | 70 - 130 | 30 | 70 - 130 | 30 |

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|----------------------------|------|--------------------|-----------------|------------------|--------------|-----|-------------------|-----|
| | | | | | %R | RPD | %R | RPD |
| 1,1,1,2-Tetrachloroethane | 0.26 | 0.50 ug/l | | | 70 - 130 | 30 | 70 - 130 | 30 |
| 1,1,2,2-Tetrachloroethane | 0.19 | 0.50 ug/l | | | 70 - 130 | 30 | 70 - 130 | 30 |
| Tetrachloroethene | 0.23 | 0.50 ug/l | | | 70 - 130 | 30 | 70 - 130 | 30 |
| Toluene | 0.30 | 0.50 ug/l | | | 70 - 130 | 30 | 70 - 130 | 30 |
| 1,2,3-Trichlorobenzene | 0.15 | 0.50 ug/l | | | 70 - 130 | 30 | 70 - 130 | 30 |
| 1,2,4-Trichlorobenzene | 0.28 | 0.50 ug/l | | | 70 - 130 | 30 | 70 - 130 | 30 |
| 1,1,1-Trichloroethane | 0.30 | 0.50 ug/l | | | 70 - 130 | 30 | 70 - 130 | 30 |
| 1,1,2-Trichloroethane | 0.25 | 0.50 ug/l | | | 70 - 130 | 30 | 70 - 130 | 30 |
| Trichloroethene | 0.28 | 0.50 ug/l | | | 70 - 130 | 30 | 70 - 130 | 30 |
| Trichlorofluoromethane | 0.29 | 0.50 ug/l | | | 70 - 130 | 30 | 70 - 130 | 30 |
| Trichlorotrifluoroethane | 0.25 | 0.50 ug/l | | | 70 - 130 | 30 | 70 - 130 | 30 |
| 1,2,4-Trimethylbenzene | 0.19 | 0.50 ug/l | | | 70 - 130 | 30 | 70 - 130 | 30 |
| 1,3,5-Trimethylbenzene | 0.26 | 0.50 ug/l | | | 70 - 130 | 30 | 70 - 130 | 30 |
| Vinyl chloride | 0.30 | 0.50 ug/l | | | 70 - 130 | 30 | 70 - 130 | 30 |
| m,p-Xylene | 0.46 | 0.50 ug/l | | | 70 - 130 | 30 | 70 - 130 | 30 |
| o-Xylene | 0.14 | 0.50 ug/l | | | 70 - 130 | 30 | 70 - 130 | 30 |
| Xylenes (total) | 0.46 | 0.50 ug/l | | | 70 - 130 | 30 | 70 - 130 | 30 |
| Trihalomethanes (total) | 0.16 | 0.50 ug/l | | | | | | |
| Methyl tert-butyl ether | 0.37 | 0.50 ug/l | | | 70 - 130 | 30 | 70 - 130 | 30 |
| Ethyl tert-butyl ether | 0.19 | 0.50 ug/l | | | 70 - 130 | 30 | 70 - 130 | 30 |
| Tert-amyl methyl ether | 0.22 | 0.50 ug/l | | | 70 - 130 | 30 | 70 - 130 | 30 |
| surr: Bromofluorobenzene | | | 70 - 130 | | | | | |
| surr: Dibromofluoromethane | | | 70 - 130 | | | | | |
| surr: Toluene-d8 | | | 70 - 130 | | | | | |