



Analytical Method Information

| Analyte | DL | LOD | LOQ / RL | Surrogate %R | Duplicate RPD | Matrix Spike %R | RPD | Blank Spike / LCS %R | RPD |
|--|------------|------------|------------|-----------------|------------------|--------------------|-----|-------------------------|-----|
| 8260C VOA Solid (MeOH) (EPA 8260C) in Solid | | | | | | | | | |
| Preservation: MeOH, Cool <6°C | | | | | | | | | |
| Container: VOA Vial, Clear, 40 mL, MeOH | | | | | | | | | |
| Minimum Sample Weight: 5 g | | | | | | | | | |
| Hold Time: 14 days | | | | | | | | | |
| Chloromethane | 12.7 ug/kg | 25.0 ug/kg | 50.0 ug/kg | | 30 | 42 - 153 | 30 | 42 - 153 | 30 |
| Vinyl Chloride | 7.80 ug/kg | 25.0 ug/kg | 50.0 ug/kg | | 30 | 74 - 133 | 30 | 74 - 133 | 30 |
| Bromomethane | 10.2 ug/kg | 25.0 ug/kg | 50.0 ug/kg | | 30 | 41 - 147 | 30 | 41 - 147 | 30 |
| Chloroethane | 18.6 ug/kg | 25.0 ug/kg | 50.0 ug/kg | | 30 | 66 - 133 | 30 | 66 - 133 | 30 |
| Trichlorofluoromethane | 12.0 ug/kg | 25.0 ug/kg | 50.0 ug/kg | | 30 | 60 - 145 | 30 | 60 - 145 | 30 |
| Acrolein | 57.0 ug/kg | 250 ug/kg | 250 ug/kg | | 30 | 45 - 149 | 30 | 45 - 149 | 30 |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | 8.10 ug/kg | 50.0 ug/kg | 100 ug/kg | | 30 | 70 - 133 | 30 | 70 - 133 | 30 |
| Acetone | 45.2 ug/kg | 125 ug/kg | 250 ug/kg | | 30 | 45 - 147 | 30 | 45 - 147 | 30 |
| 1,1-Dichloroethene | 7.90 ug/kg | 25.0 ug/kg | 50.0 ug/kg | | 30 | 67 - 132 | 30 | 67 - 132 | 30 |
| Bromoethane | 8.00 ug/kg | 50.0 ug/kg | 100 ug/kg | | 30 | 68 - 135 | 30 | 68 - 135 | 30 |
| Iodomethane | 28.8 ug/kg | 50.0 ug/kg | 50.0 ug/kg | | 30 | 42 - 187 | 30 | 42 - 187 | 30 |
| Methylene Chloride | 9.50 ug/kg | 50.0 ug/kg | 100 ug/kg | | 30 | 53 - 169 | 30 | 53 - 169 | 30 |
| Acrylonitrile | 14.7 ug/kg | 125 ug/kg | 250 ug/kg | | 30 | 63 - 133 | 30 | 63 - 133 | 30 |
| Carbon Disulfide | 15.4 ug/kg | 50.0 ug/kg | 50.0 ug/kg | | 30 | 62 - 140 | 30 | 62 - 140 | 30 |
| trans-1,2-Dichloroethene | 11.2 ug/kg | 25.0 ug/kg | 50.0 ug/kg | | 30 | 71 - 136 | 30 | 71 - 136 | 30 |
| Vinyl Acetate | 18.6 ug/kg | 125 ug/kg | 250 ug/kg | | 30 | 72 - 127 | 30 | 72 - 127 | 30 |
| 1,1-Dichloroethane | 8.20 ug/kg | 25.0 ug/kg | 50.0 ug/kg | | 30 | 76 - 121 | 30 | 76 - 121 | 30 |
| 2-Butanone | 41.1 ug/kg | 125 ug/kg | 250 ug/kg | | 30 | 65 - 136 | 30 | 65 - 136 | 30 |
| 2,2-Dichloropropane | 10.3 ug/kg | 25.0 ug/kg | 50.0 ug/kg | | 30 | 73 - 129 | 30 | 73 - 129 | 30 |
| cis-1,2-Dichloroethene | 9.00 ug/kg | 25.0 ug/kg | 50.0 ug/kg | | 30 | 77 - 121 | 30 | 77 - 121 | 30 |
| Chloroform | 10.8 ug/kg | 25.0 ug/kg | 50.0 ug/kg | | 30 | 76 - 123 | 30 | 76 - 123 | 30 |
| Bromochloromethane | 11.7 ug/kg | 25.0 ug/kg | 50.0 ug/kg | | 30 | 78 - 120 | 30 | 78 - 120 | 30 |
| 1,1,1-Trichloroethane | 10.1 ug/kg | 25.0 ug/kg | 50.0 ug/kg | | 30 | 76 - 125 | 30 | 76 - 125 | 30 |
| 1,1-Dichloropropene | 9.70 ug/kg | 25.0 ug/kg | 50.0 ug/kg | | 30 | 78 - 120 | 30 | 78 - 120 | 30 |



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| Carbon tetrachloride | 13.0 ug/kg | 25.0 ug/kg | 50.0 ug/kg | | 30 | 78 - 120 | 30 | 78 - 120 | 30 |
| 1,2-Dichloroethane | 9.70 ug/kg | 25.0 ug/kg | 50.0 ug/kg | | 30 | 75 - 120 | 30 | 75 - 120 | 30 |
| Benzene | 8.20 ug/kg | 25.0 ug/kg | 50.0 ug/kg | | 30 | 80 - 120 | 30 | 80 - 120 | 30 |
| Trichloroethene | 9.00 ug/kg | 25.0 ug/kg | 50.0 ug/kg | | 30 | 77 - 120 | 30 | 77 - 120 | 30 |
| 1,2-Dichloropropane | 6.40 ug/kg | 25.0 ug/kg | 50.0 ug/kg | | 30 | 78 - 120 | 30 | 78 - 120 | 30 |
| Bromodichloromethane | 6.70 ug/kg | 25.0 ug/kg | 50.0 ug/kg | | 30 | 73 - 128 | 30 | 73 - 128 | 30 |
| Dibromomethane | 12.1 ug/kg | 25.0 ug/kg | 50.0 ug/kg | | 30 | 78 - 120 | 30 | 78 - 120 | 30 |
| 2-Chloroethyl vinyl ether | 7.50 ug/kg | 125 ug/kg | 250 ug/kg | | 30 | 66 - 128 | 30 | 66 - 128 | 30 |
| 4-Methyl-2-Pentanone | 38.0 ug/kg | 125 ug/kg | 250 ug/kg | | 30 | 80 - 120 | 30 | 80 - 120 | 30 |
| cis-1,3-Dichloropropene | 9.40 ug/kg | 25.0 ug/kg | 50.0 ug/kg | | 30 | 83 - 120 | 30 | 83 - 120 | 30 |
| Toluene | 8.60 ug/kg | 25.0 ug/kg | 50.0 ug/kg | | 30 | 77 - 120 | 30 | 77 - 120 | 30 |
| trans-1,3-Dichloropropene | 9.60 ug/kg | 25.0 ug/kg | 50.0 ug/kg | | 30 | 82 - 120 | 30 | 82 - 120 | 30 |
| 2-Hexanone | 59.8 ug/kg | 125 ug/kg | 250 ug/kg | | 30 | 73 - 122 | 30 | 73 - 122 | 30 |
| 1,1,2-Trichloroethane | 7.70 ug/kg | 25.0 ug/kg | 50.0 ug/kg | | 30 | 79 - 120 | 30 | 79 - 120 | 30 |
| 1,3-Dichloropropane | 7.70 ug/kg | 25.0 ug/kg | 50.0 ug/kg | | 30 | 80 - 120 | 30 | 80 - 120 | 30 |
| Tetrachloroethene | 13.8 ug/kg | 25.0 ug/kg | 50.0 ug/kg | | 30 | 76 - 120 | 30 | 76 - 120 | 30 |
| Dibromochloromethane | 8.70 ug/kg | 25.0 ug/kg | 50.0 ug/kg | | 30 | 79 - 120 | 30 | 79 - 120 | 30 |
| 1,2-Dibromoethane | 12.5 ug/kg | 25.0 ug/kg | 50.0 ug/kg | | 30 | 79 - 120 | 30 | 79 - 120 | 30 |
| Chlorobenzene | 14.1 ug/kg | 25.0 ug/kg | 50.0 ug/kg | | 30 | 77 - 120 | 30 | 77 - 120 | 30 |
| Ethylbenzene | 13.6 ug/kg | 25.0 ug/kg | 50.0 ug/kg | | 30 | 79 - 122 | 30 | 79 - 122 | 30 |
| 1,1,1,2-Tetrachloroethane | 5.10 ug/kg | 25.0 ug/kg | 50.0 ug/kg | | 30 | 78 - 120 | 30 | 78 - 120 | 30 |
| m,p-Xylene | 27.9 ug/kg | 50.0 ug/kg | 100 ug/kg | | 30 | 81 - 122 | 30 | 81 - 122 | 30 |
| o-Xylene | 11.4 ug/kg | 25.0 ug/kg | 50.0 ug/kg | | 30 | 79 - 120 | 30 | 79 - 120 | 30 |
| Xylenes, total | 38.7 ug/kg | 50.0 ug/kg | 100 ug/kg | | 30 | 79 - 122 | 30 | 80 - 120 | 30 |
| Styrene | 13.8 ug/kg | 25.0 ug/kg | 50.0 ug/kg | | 30 | 77 - 124 | 30 | 77 - 124 | 30 |
| Bromoform | 13.2 ug/kg | 25.0 ug/kg | 50.0 ug/kg | | 30 | 80 - 120 | 30 | 80 - 120 | 30 |
| 1,1,2,2-Tetrachloroethane | 10.7 ug/kg | 25.0 ug/kg | 50.0 ug/kg | | 30 | 79 - 120 | 30 | 79 - 120 | 30 |
| 1,2,3-Trichloropropane | 14.0 ug/kg | 50.0 ug/kg | 100 ug/kg | | 30 | 79 - 120 | 30 | 79 - 120 | 30 |



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| trans-1,4-Dichloro 2-Butene | 25.5 ug/kg | 125 ug/kg | 250 ug/kg | | 30 | 75 - 123 | 30 | 75 - 123 | 30 |
| n-Propylbenzene | 19.3 ug/kg | 25.0 ug/kg | 50.0 ug/kg | | 30 | 80 - 125 | 30 | 80 - 125 | 30 |
| Bromobenzene | 22.4 ug/kg | 25.0 ug/kg | 50.0 ug/kg | | 30 | 76 - 120 | 30 | 76 - 120 | 30 |
| Isopropyl Benzene | 16.7 ug/kg | 25.0 ug/kg | 50.0 ug/kg | | 30 | 74 - 130 | 30 | 74 - 130 | 30 |
| 2-Chlorotoluene | 19.7 ug/kg | 25.0 ug/kg | 50.0 ug/kg | | 30 | 77 - 120 | 30 | 77 - 120 | 30 |
| 4-Chlorotoluene | 22.4 ug/kg | 25.0 ug/kg | 50.0 ug/kg | | 30 | 77 - 121 | 30 | 77 - 121 | 30 |
| t-Butylbenzene | 19.2 ug/kg | 25.0 ug/kg | 50.0 ug/kg | | 30 | 74 - 126 | 30 | 74 - 126 | 30 |
| 1,3,5-Trimethylbenzene | 18.9 ug/kg | 25.0 ug/kg | 50.0 ug/kg | | 30 | 79 - 124 | 30 | 79 - 124 | 30 |
| 1,2,4-Trimethylbenzene | 22.7 ug/kg | 25.0 ug/kg | 50.0 ug/kg | | 30 | 79 - 125 | 30 | 79 - 125 | 30 |
| s-Butylbenzene | 21.2 ug/kg | 25.0 ug/kg | 50.0 ug/kg | | 30 | 80 - 127 | 30 | 80 - 127 | 30 |
| 4-Isopropyl Toluene | 23.1 ug/kg | 25.0 ug/kg | 50.0 ug/kg | | 30 | 75 - 132 | 30 | 75 - 132 | 30 |
| 1,3-Dichlorobenzene | 23.3 ug/kg | 25.0 ug/kg | 50.0 ug/kg | | 30 | 75 - 120 | 30 | 75 - 120 | 30 |
| 1,4-Dichlorobenzene | 25.3 ug/kg | 50.0 ug/kg | 50.0 ug/kg | | 30 | 76 - 120 | 30 | 76 - 120 | 30 |
| n-Butylbenzene | 28.6 ug/kg | 50.0 ug/kg | 50.0 ug/kg | | 30 | 79 - 130 | 30 | 79 - 130 | 30 |
| 1,2-Dichlorobenzene | 24.4 ug/kg | 25.0 ug/kg | 50.0 ug/kg | | 30 | 76 - 120 | 30 | 76 - 120 | 30 |
| 1,2-Dibromo-3-Chloropropane | 24.4 ug/kg | 125 ug/kg | 250 ug/kg | | 30 | 75 - 120 | 30 | 75 - 120 | 30 |
| 1,2,4-Trichlorobenzene | 51.5 ug/kg | 125 ug/kg | 250 ug/kg | | 30 | 74 - 121 | 30 | 74 - 121 | 30 |
| Hexachloro-1,3-Butadiene | 41.4 ug/kg | 125 ug/kg | 250 ug/kg | | 30 | 74 - 120 | 30 | 74 - 120 | 30 |
| Naphthalene | 76.9 ug/kg | 125 ug/kg | 250 ug/kg | | 30 | 75 - 120 | 30 | 75 - 120 | 30 |
| 1,2,3-Trichlorobenzene | 59.8 ug/kg | 125 ug/kg | 250 ug/kg | | 30 | 75 - 120 | 30 | 75 - 120 | 30 |
| Dichlorodifluoromethane | 10.4 ug/kg | 25.0 ug/kg | 50.0 ug/kg | | 30 | 62 - 143 | 30 | 62 - 143 | 30 |
| Methyl tert-butyl Ether | 11.6 ug/kg | 25.0 ug/kg | 50.0 ug/kg | | 30 | 68 - 132 | 30 | 68 - 132 | 30 |
| 2-Pentanone | 250 ug/kg | 250 ug/kg | 250 ug/kg | | 30 | 77 - 120 | 30 | 77 - 120 | 30 |
| surr: 1,2-Dichloroethane-d4 | | | | 80 - 124 | | | | | |
| surr: Toluene-d8 | | | | 80 - 120 | | | | | |
| surr: 4-Bromofluorobenzene | | | | 80 - 120 | | | | | |
| surr: 1,2-Dichlorobenzene-d4 | | | | 80 - 120 | | | | | |
| Pentafluorobenzene | | | | | | | | | |



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|------------------------|----|-----|----------|-----------------|------------------|------------------------|-----------------------------|
| Chlorobenzene-d5 | | | | | | | |
| 1,4-Difluorobenzene | | | | | | | |
| 1,4-Dichlorobenzene-d4 | | | | | | | |