



Analytical Method Information

| Analyte | DL | LOD | LOQ / RL | Surrogate %R | Duplicate RPD | Matrix Spike %R | Matrix Spike RPD | Blank Spike / LCS %R | Blank Spike / LCS RPD |
|---|------------|-----|-----------|--------------|---------------|-----------------|------------------|----------------------|-----------------------|
| 8290 Dioxin (EPA 8290A) in Water | | | | | | | | | |
| Preservation: Cool <6°C | | | | | | | | | |
| Container: Glass NM, Amber, 1000 mL | | | | | | | | | |
| Minimum Sample Volume: 2000 ml | | | | | | | | | |
| Hold Time: 30 days | | | | | | | | | |
| 2,3,7,8-TCDF | 0.265 pg/L | | 10.0 pg/L | | 25 | | | 75 - 158 | 25 |
| 2,3,7,8-TCDD | 0.313 pg/L | | 10.0 pg/L | | 25 | | | 67 - 158 | 25 |
| 1,2,3,7,8-PeCDF | 1.34 pg/L | | 10.0 pg/L | | 25 | | | 80 - 134 | 25 |
| 2,3,4,7,8-PeCDF | 1.40 pg/L | | 10.0 pg/L | | 25 | | | 68 - 160 | 25 |
| 1,2,3,7,8-PeCDD | 1.41 pg/L | | 10.0 pg/L | | 25 | | | 70 - 142 | 25 |
| 1,2,3,4,7,8-HxCDF | 1.34 pg/L | | 10.0 pg/L | | 25 | | | 72 - 134 | 25 |
| 1,2,3,6,7,8-HxCDF | 1.38 pg/L | | 10.0 pg/L | | 25 | | | 84 - 130 | 25 |
| 2,3,4,6,7,8-HxCDF | 1.45 pg/L | | 10.0 pg/L | | 25 | | | 70 - 156 | 25 |
| 1,2,3,7,8,9-HxCDF | 1.25 pg/L | | 10.0 pg/L | | 25 | | | 78 - 130 | 25 |
| 1,2,3,4,7,8-HxCDD | 1.32 pg/L | | 10.0 pg/L | | 25 | | | 70 - 164 | 25 |
| 1,2,3,6,7,8-HxCDD | 1.43 pg/L | | 10.0 pg/L | | 25 | | | 76 - 134 | 25 |
| 1,2,3,7,8,9-HxCDD | 1.29 pg/L | | 10.0 pg/L | | 25 | | | 64 - 162 | 25 |
| 1,2,3,4,6,7,8-HpCDF | 1.28 pg/L | | 10.0 pg/L | | 25 | | | 82 - 122 | 25 |
| 1,2,3,4,7,8,9-HpCDF | 1.20 pg/L | | 10.0 pg/L | | 25 | | | 78 - 138 | 25 |
| 1,2,3,4,6,7,8-HpCDD | 0.982 pg/L | | 10.0 pg/L | | 25 | | | 70 - 140 | 25 |
| OCDF | 2.59 pg/L | | 20.0 pg/L | | 25 | | | 63 - 170 | 25 |
| OCDD | 3.14 pg/L | | 20.0 pg/L | | 25 | | | 78 - 144 | 25 |
| Total TCDF | | | 10.0 pg/L | | | | | | |
| Total TCDD | | | 10.0 pg/L | | | | | | |
| Total PeCDF | | | 10.0 pg/L | | | | | | |
| Total PeCDD | | | 10.0 pg/L | | | | | | |
| Total HxCDF | | | 10.0 pg/L | | | | | | |
| Total HxCDD | | | 10.0 pg/L | | | | | | |
| Total HpCDF | | | 10.0 pg/L | | | | | | |
| Total HpCDD | | | 10.0 pg/L | | | | | | |



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| Analyte | DL | LOD | LOQ / RL | Surrogate %R | Duplicate RPD | Matrix Spike %R | RPD | Blank Spike / LCS %R | RPD |
|---------------------------------|----|-----|----------|-----------------|------------------|--------------------|-----|-------------------------|-----|
| surr: 13C12-2,3,7,8-TCDF | | | | 24 - 169 | | | | | |
| surr: 13C12-2,3,7,8-TCDD | | | | 25 - 164 | | | | | |
| surr: 13C12-1,2,3,7,8-PeCDF | | | | 24 - 185 | | | | | |
| surr: 13C12-2,3,4,7,8-PeCDF | | | | 21 - 178 | | | | | |
| surr: 13C12-1,2,3,7,8-PeCDD | | | | 25 - 181 | | | | | |
| surr: 13C12-1,2,3,4,7,8-HxCDF | | | | 26 - 152 | | | | | |
| surr: 13C12-1,2,3,6,7,8-HxCDF | | | | 26 - 123 | | | | | |
| surr: 13C12-2,3,4,6,7,8-HxCDF | | | | 28 - 136 | | | | | |
| surr: 13C12-1,2,3,7,8,9-HxCDF | | | | 29 - 147 | | | | | |
| surr: 13C12-1,2,3,4,7,8-HxCDD | | | | 32 - 141 | | | | | |
| surr: 13C12-1,2,3,6,7,8-HxCDD | | | | 28 - 130 | | | | | |
| surr: 13C12-1,2,3,4,6,7,8-HpCDF | | | | 28 - 143 | | | | | |
| surr: 13C12-1,2,3,4,7,8,9-HpCDF | | | | 26 - 138 | | | | | |
| surr: 13C12-1,2,3,4,6,7,8-HpCDD | | | | 23 - 140 | | | | | |
| surr: 13C12-OCDD | | | | 17 - 157 | | | | | |
| surr: 37Cl4-2,3,7,8-TCDD | | | | 35 - 197 | | | | | |
| 13C12-1,2,3,4-TCDD | | | | | | | | | |
| 13C12-1,2,3,7,8,9-HxCDD | | | | | | | | | |