

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VW020725\  
 Data File : VW038660.D  
 Acq On : 07 Feb 2025 21:05  
 Operator : SY/MD  
 Sample : VSTDCCC005EC  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005341

Quant Time: Feb 12 13:25:30 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR020625WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Feb 12 13:18:31 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon           | Response | Conc  | Units   | Dev(Min) |
|-------------------------------|--------|----------------|----------|-------|---------|----------|
| -----                         |        |                |          |       |         |          |
| Internal Standards            |        |                |          |       |         |          |
| 1) 1,4-Difluorobenzene        | 5.529  | 114            | 271734   | 5.00  | ug/L    | 0.00     |
| 28) Chlorobenzene-d5          | 8.776  | 117            | 260352   | 5.00  | ug/L    | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.178 | 152            | 128680   | 5.00  | ug/L    | 0.00     |
| System Monitoring Compounds   |        |                |          |       |         |          |
| 4) Vinyl Chloride-d3          | 1.278  | 65             | 106223   | 3.78  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 40 - 130 | Recovery | =     | 75.60%  |          |
| 7) Chloroethane-d5            | 1.532  | 69             | 84222    | 3.98  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 130 | Recovery | =     | 79.60%  |          |
| 11) 1,1-Dichloroethene-d2     | 2.056  | 65             | 44316    | 3.77  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 125 | Recovery | =     | 75.40%  |          |
| 20) 2-Butanone-d5             | 3.793  | 46             | 241586   | 49.51 | ug/L    | -0.04    |
| Spiked Amount                 | 50.000 | Range 40 - 130 | Recovery | =     | 99.02%  |          |
| 24) Chloroform-d              | 4.239  | 84             | 194801   | 4.37  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =     | 87.40%  |          |
| 26) 1,2-Dichloroethane-d4     | 4.937  | 65             | 90897    | 4.64  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =     | 92.80%  |          |
| 32) Benzene-d6                | 4.953  | 84             | 375466   | 4.93  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =     | 98.60%  |          |
| 36) 1,2-Dichloropropane-d6    | 5.982  | 67             | 114744   | 5.08  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 140 | Recovery | =     | 101.60% |          |
| 41) Toluene-d8                | 7.236  | 98             | 331686   | 4.88  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =     | 97.60%  |          |
| 43) trans-1,3-Dichloroprop... | 7.551  | 79             | 39393    | 4.76  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 55 - 130 | Recovery | =     | 95.20%  |          |
| 46) 2-Hexanone-d5             | 8.017  | 63             | 207867   | 64.77 | ug/L    | 0.00     |
| Spiked Amount                 | 50.000 | Range 45 - 130 | Recovery | =     | 129.54% |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.146 | 84             | 91875    | 4.79  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 120 | Recovery | =     | 95.80%  |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.551 | 152            | 113377   | 5.08  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 80 - 120 | Recovery | =     | 101.60% |          |
| Target Compounds              |        |                |          |       |         |          |
|                               |        |                |          |       | Qvalue  |          |
| 2) Dichlorodifluoromethane    | 1.105  | 85             | 134087   | 4.15  | ug/L    | 98       |
| 3) Chloromethane              | 1.214  | 50             | 124589   | 4.12  | ug/L    | 100      |
| 5) Vinyl chloride             | 1.281  | 62             | 139852   | 4.36  | ug/L    | 99       |
| 6) Bromomethane               | 1.487  | 94             | 49353    | 3.57  | ug/L    | 98       |
| 8) Chloroethane               | 1.548  | 64             | 83119    | 4.19  | ug/L    | 100      |
| 9) Trichlorofluoromethane     | 1.709  | 101            | 176975   | 4.13  | ug/L    | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.063  | 101            | 100320   | 4.21  | ug/L    | 98       |
| 12) 1,1-Dichloroethene        | 2.066  | 96             | 101609   | 4.39  | ug/L    | 96       |
| 13) Acetone                   | 2.130  | 43             | 162832   | 45.44 | ug/L    | 97       |
| 14) Carbon disulfide          | 2.236  | 76             | 334872   | 4.40  | ug/L    | 99       |
| 15) Methyl Acetate            | 2.381  | 43             | 44030    | 4.78  | ug/L    | 93       |
| 16) Methylene chloride        | 2.442  | 84             | 110583   | 4.20  | ug/L    | 95       |
| 17) Methyl tert-butyl Ether   | 2.699  | 73             | 253982   | 5.37  | ug/L    | 99       |
| 18) trans-1,2-Dichloroethene  | 2.690  | 96             | 108661   | 4.70  | ug/L    | 93       |
| 19) 1,1-Dichloroethane        | 3.104  | 63             | 204823   | 4.60  | ug/L    | 99       |
| 21) 2-Butanone                | 3.876  | 43             | 261891   | 48.69 | ug/L    | 97       |
| 22) cis-1,2-Dichloroethene    | 3.805  | 96             | 116650   | 4.89  | ug/L    | 92       |
| 23) Bromochloromethane        | 4.143  | 128            | 48156    | 4.24  | ug/L    | 93       |
| 25) Chloroform                | 4.268  | 83             | 205685   | 4.62  | ug/L    | 98       |

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 Sample : VSTDCCC005EC  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005341

Quant Time: Feb 12 13:25:30 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR020625WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Feb 12 13:18:31 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.034  | 62   | 123538   | 4.71  | ug/L  | 99       |
| 29) 1,1,1-Trichloroethane     | 4.503  | 97   | 180093   | 4.90  | ug/L  | 99       |
| 30) Cyclohexane               | 4.571  | 56   | 178599   | 5.63  | ug/L  | 96       |
| 31) Carbon tetrachloride      | 4.725  | 117  | 149964   | 4.68  | ug/L  | 99       |
| 33) Benzene                   | 5.002  | 78   | 447083   | 5.43  | ug/L  | 100      |
| 34) Trichloroethene           | 5.828  | 95   | 116594   | 5.51  | ug/L  | 98       |
| 35) Methylcyclohexane         | 6.040  | 83   | 174508   | 5.24  | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 6.085  | 63   | 112531   | 5.40  | ug/L  | 100      |
| 38) Bromodichloromethane      | 6.426  | 83   | 137601   | 4.81  | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 6.950  | 75   | 149851   | 5.28  | ug/L  | 97       |
| 40) 4-Methyl-2-pentanone      | 7.149  | 43   | 673364   | 61.55 | ug/L  | 99       |
| 42) Toluene                   | 7.307  | 91   | 473444   | 5.41  | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 7.577  | 75   | 118393   | 4.96  | ug/L  | 95       |
| 45) 1,1,2-Trichloroethane     | 7.760  | 97   | 79714    | 4.89  | ug/L  | 94       |
| 47) Tetrachloroethene         | 7.895  | 164  | 82289    | 5.00  | ug/L  | 96       |
| 48) 2-Hexanone                | 8.069  | 43   | 482063   | 59.72 | ug/L  | 98       |
| 49) Dibromochloromethane      | 8.169  | 129  | 76836    | 4.25  | ug/L  | 98       |
| 50) 1,2-Dibromoethane         | 8.275  | 107  | 76569    | 5.08  | ug/L  | 92       |
| 51) Chlorobenzene             | 8.805  | 112  | 296491   | 5.15  | ug/L  | 98       |
| 52) Ethylbenzene              | 8.937  | 91   | 510065   | 5.49  | ug/L  | 99       |
| 53) m,p-Xylene                | 9.066  | 106  | 193566   | 5.66  | ug/L  | 99       |
| 54) o-Xylene                  | 9.471  | 106  | 184817   | 5.53  | ug/L  | 98       |
| 55) Styrene                   | 9.490  | 104  | 318906   | 5.65  | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.169 | 83   | 98503    | 4.91  | ug/L  | 97       |
| 59) Bromoform                 | 9.657  | 173  | 34192    | 3.98  | ug/L  | 100      |
| 60) Isopropylbenzene          | 9.857  | 105  | 501679   | 5.92  | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 10.204 | 75   | 68360    | 5.16  | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 10.468 | 105  | 393986   | 5.90  | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 10.844 | 105  | 401614   | 6.05  | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.107 | 146  | 228010   | 5.38  | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 11.201 | 146  | 226456   | 5.25  | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 11.570 | 146  | 206250   | 5.19  | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.358 | 75   | 14665    | 5.44  | ug/L  | 98       |
| 69) 1,3,5-Trichlorobenzene    | 12.574 | 180  | 151680   | 5.46  | ug/L  | 98       |
| 70) 1,2,4-trichlorobenzene    | 13.188 | 180  | 130751   | 6.22  | ug/L  | 99       |
| 71) Naphthalene               | 13.432 | 128  | 215763   | 6.42  | ug/L  | 98       |
| 72) 1,2,3-Trichlorobenzene    | 13.673 | 180  | 117805   | 6.05  | ug/L  | 99       |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

