

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VW021025\  
 Data File : VW038674.D  
 Acq On : 10 Feb 2025 17:40  
 Operator : SY/MD  
 Sample : VSTDCCC005EC  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005343

Quant Time: Feb 14 11:41:20 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR020625WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Feb 14 11:36:33 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon           | Response | Conc  | Units   | Dev(Min) |
|-------------------------------|--------|----------------|----------|-------|---------|----------|
| Internal Standards            |        |                |          |       |         |          |
| 1) 1,4-Difluorobenzene        | 5.529  | 114            | 180043   | 5.00  | ug/L    | 0.00     |
| 28) Chlorobenzene-d5          | 8.776  | 117            | 189977   | 5.00  | ug/L    | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.178 | 152            | 96105    | 5.00  | ug/L    | 0.00     |
| System Monitoring Compounds   |        |                |          |       |         |          |
| 4) Vinyl Chloride-d3          | 1.278  | 65             | 75581    | 4.06  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 40 - 130 | Recovery | =     | 81.20%  |          |
| 7) Chloroethane-d5            | 1.529  | 69             | 60396    | 4.31  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 130 | Recovery | =     | 86.20%  |          |
| 11) 1,1-Dichloroethene-d2     | 2.053  | 65             | 32818    | 4.21  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 125 | Recovery | =     | 84.20%  |          |
| 20) 2-Butanone-d5             | 3.802  | 46             | 172900   | 53.48 | ug/L    | 0.00     |
| Spiked Amount                 | 50.000 | Range 40 - 130 | Recovery | =     | 106.96% |          |
| 24) Chloroform-d              | 4.240  | 84             | 137604   | 4.66  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =     | 93.20%  |          |
| 26) 1,2-Dichloroethane-d4     | 4.937  | 65             | 63482    | 4.89  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =     | 97.80%  |          |
| 32) Benzene-d6                | 4.950  | 84             | 263554   | 4.74  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =     | 94.80%  |          |
| 36) 1,2-Dichloropropane-d6    | 5.982  | 67             | 80769    | 4.90  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 140 | Recovery | =     | 98.00%  |          |
| 41) Toluene-d8                | 7.236  | 98             | 238678   | 4.81  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =     | 96.20%  |          |
| 43) trans-1,3-Dichloroprop... | 7.551  | 79             | 26534    | 4.39  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 55 - 130 | Recovery | =     | 87.80%  |          |
| 46) 2-Hexanone-d5             | 8.021  | 63             | 139673   | 59.64 | ug/L    | 0.00     |
| Spiked Amount                 | 50.000 | Range 45 - 130 | Recovery | =     | 119.28% |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.143 | 84             | 69308    | 4.95  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 120 | Recovery | =     | 99.00%  |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.551 | 152            | 79748    | 4.79  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 80 - 120 | Recovery | =     | 95.80%  |          |
| Target Compounds              |        |                |          |       |         |          |
|                               |        |                |          |       |         | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.105  | 85             | 105393   | 4.93  | ug/L    | 98       |
| 3) Chloromethane              | 1.214  | 50             | 95628    | 4.77  | ug/L    | 99       |
| 5) Vinyl chloride             | 1.282  | 62             | 103272   | 4.86  | ug/L    | 97       |
| 6) Bromomethane               | 1.487  | 94             | 35796    | 3.91  | ug/L    | 97       |
| 8) Chloroethane               | 1.548  | 64             | 64456    | 4.90  | ug/L    | 97       |
| 9) Trichlorofluoromethane     | 1.709  | 101            | 138084   | 4.87  | ug/L    | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.063  | 101            | 79771    | 5.06  | ug/L    | 99       |
| 12) 1,1-Dichloroethene        | 2.066  | 96             | 74314    | 4.85  | ug/L    | 94       |
| 13) Acetone                   | 2.137  | 43             | 125138   | 52.71 | ug/L    | 98       |
| 14) Carbon disulfide          | 2.237  | 76             | 253115   | 5.02  | ug/L    | 99       |
| 15) Methyl Acetate            | 2.384  | 43             | 31161    | 5.10  | ug/L    | 98       |
| 16) Methylene chloride        | 2.442  | 84             | 82502    | 4.73  | ug/L    | 97       |
| 17) Methyl tert-butyl Ether   | 2.700  | 73             | 168839   | 5.39  | ug/L    | 99       |
| 18) trans-1,2-Dichloroethene  | 2.690  | 96             | 79426    | 5.18  | ug/L    | 93       |
| 19) 1,1-Dichloroethane        | 3.105  | 63             | 151912   | 5.15  | ug/L    | 99       |
| 21) 2-Butanone                | 3.883  | 43             | 183879   | 51.60 | ug/L    | 97       |
| 22) cis-1,2-Dichloroethene    | 3.806  | 96             | 82523    | 5.22  | ug/L    | 93       |
| 23) Bromochloromethane        | 4.140  | 128            | 35651    | 4.74  | ug/L    | 94       |
| 25) Chloroform                | 4.265  | 83             | 151352   | 5.13  | ug/L    | 95       |

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 Sample : VSTDCCC005EC  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005343

Quant Time: Feb 14 11:41:20 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR020625WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Feb 14 11:36:33 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.037  | 62   | 87699    | 5.05  | ug/L  | 100      |
| 29) 1,1,1-Trichloroethane     | 4.503  | 97   | 129648   | 4.84  | ug/L  | 99       |
| 30) Cyclohexane               | 4.571  | 56   | 125276   | 5.42  | ug/L  | 97       |
| 31) Carbon tetrachloride      | 4.725  | 117  | 110608   | 4.73  | ug/L  | 99       |
| 33) Benzene                   | 5.002  | 78   | 321419   | 5.35  | ug/L  | 100      |
| 34) Trichloroethene           | 5.828  | 95   | 81158    | 5.25  | ug/L  | 94       |
| 35) Methylcyclohexane         | 6.040  | 83   | 127515   | 5.25  | ug/L  | 100      |
| 37) 1,2-Dichloropropane       | 6.085  | 63   | 81242    | 5.34  | ug/L  | 99       |
| 38) Bromodichloromethane      | 6.426  | 83   | 101563   | 4.86  | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 6.950  | 75   | 105864   | 5.11  | ug/L  | 98       |
| 40) 4-Methyl-2-pentanone      | 7.149  | 43   | 469076   | 58.76 | ug/L  | 97       |
| 42) Toluene                   | 7.307  | 91   | 342584   | 5.36  | ug/L  | 97       |
| 44) trans-1,3-Dichloropropene | 7.577  | 75   | 86476    | 4.97  | ug/L  | 98       |
| 45) 1,1,2-Trichloroethane     | 7.760  | 97   | 60024    | 5.05  | ug/L  | 98       |
| 47) Tetrachloroethene         | 7.895  | 164  | 59651    | 4.96  | ug/L  | 96       |
| 48) 2-Hexanone                | 8.069  | 43   | 353310   | 59.98 | ug/L  | 95       |
| 49) Dibromochloromethane      | 8.169  | 129  | 60944    | 4.62  | ug/L  | 99       |
| 50) 1,2-Dibromoethane         | 8.275  | 107  | 56722    | 5.16  | ug/L  | 94       |
| 51) Chlorobenzene             | 8.805  | 112  | 215193   | 5.12  | ug/L  | 99       |
| 52) Ethylbenzene              | 8.937  | 91   | 355190   | 5.24  | ug/L  | 100      |
| 53) m,p-Xylene                | 9.066  | 106  | 135015   | 5.41  | ug/L  | 96       |
| 54) o-Xylene                  | 9.471  | 106  | 127445   | 5.23  | ug/L  | 100      |
| 55) Styrene                   | 9.490  | 104  | 229998   | 5.58  | ug/L  | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 10.169 | 83   | 74796    | 5.11  | ug/L  | 99       |
| 59) Bromoform                 | 9.657  | 173  | 28301    | 4.41  | ug/L  | 99       |
| 60) Isopropylbenzene          | 9.857  | 105  | 349949   | 5.53  | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 10.201 | 75   | 50638    | 5.12  | ug/L  | 98       |
| 62) 1,3,5-Trimethylbenzene    | 10.468 | 105  | 267471   | 5.36  | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 10.844 | 105  | 269459   | 5.44  | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.108 | 146  | 166709   | 5.27  | ug/L  | 98       |
| 65) 1,4-Dichlorobenzene       | 11.201 | 146  | 170989   | 5.31  | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 11.571 | 146  | 151981   | 5.12  | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.362 | 75   | 9852     | 4.89  | ug/L  | 98       |
| 69) 1,3,5-Trichlorobenzene    | 12.574 | 180  | 109967   | 5.30  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.191 | 180  | 85588    | 5.45  | ug/L  | 99       |
| 71) Naphthalene               | 13.432 | 128  | 123129   | 4.90  | ug/L  | 97       |
| 72) 1,2,3-Trichlorobenzene    | 13.670 | 180  | 80777    | 5.55  | ug/L  | 97       |

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

