

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VW021425\  
 Data File : VW038688.D  
 Acq On : 14 Feb 2025 09:29  
 Operator : SY/MD  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005346

Quant Time: Feb 17 10:26:29 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR020625WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Feb 14 14:41:25 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|--------|------|----------|------|-------|----------|
| -----                      |        |      |          |      |       |          |
| Internal Standards         |        |      |          |      |       |          |
| 1) 1,4-Difluorobenzene     | 5.529  | 114  | 114047   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.780  | 117  | 122319   | 5.00 | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4 | 11.178 | 152  | 62784    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                               |        |       |          |          |      |         |
|-------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3          | 1.278  | 65    | 46241    | 3.92     | ug/L | 0.00    |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =    | 78.40%  |
| 7) Chloroethane-d5            | 1.532  | 69    | 38648    | 4.35     | ug/L | 0.00    |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =    | 87.00%  |
| 11) 1,1-Dichloroethene-d2     | 2.056  | 65    | 20186    | 4.09     | ug/L | 0.00    |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =    | 81.80%  |
| 20) 2-Butanone-d5             | 3.789  | 46    | 110047   | 53.74    | ug/L | 0.00    |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =    | 107.48% |
| 24) Chloroform-d              | 4.240  | 84    | 91335    | 4.89     | ug/L | 0.00    |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =    | 97.80%  |
| 26) 1,2-Dichloroethane-d4     | 4.937  | 65    | 43405    | 5.27     | ug/L | 0.00    |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =    | 105.40% |
| 32) Benzene-d6                | 4.950  | 84    | 160575   | 4.49     | ug/L | 0.00    |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =    | 89.80%  |
| 36) 1,2-Dichloropropane-d6    | 5.982  | 67    | 48747    | 4.60     | ug/L | 0.00    |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =    | 92.00%  |
| 41) Toluene-d8                | 7.233  | 98    | 147144   | 4.60     | ug/L | 0.00    |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =    | 92.00%  |
| 43) trans-1,3-Dichloroprop... | 7.551  | 79    | 19079    | 4.90     | ug/L | 0.00    |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =    | 98.00%  |
| 46) 2-Hexanone-d5             | 8.018  | 63    | 86422    | 57.31    | ug/L | 0.00    |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =    | 114.62% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.143 | 84    | 47848    | 5.30     | ug/L | 0.00    |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =    | 106.00% |
| 66) 1,2-Dichlorobenzene-d4    | 11.551 | 152   | 49971    | 4.59     | ug/L | 0.00    |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =    | 91.80%  |

## Target Compounds

|                               |       |     |        |       |      | Qvalue |
|-------------------------------|-------|-----|--------|-------|------|--------|
| 2) Dichlorodifluoromethane    | 1.108 | 85  | 73261  | 5.41  | ug/L | 99     |
| 3) Chloromethane              | 1.214 | 50  | 63366  | 4.99  | ug/L | 99     |
| 5) Vinyl chloride             | 1.281 | 62  | 67804  | 5.04  | ug/L | 99     |
| 6) Bromomethane               | 1.487 | 94  | 26465  | 4.56  | ug/L | 96     |
| 8) Chloroethane               | 1.548 | 64  | 40414  | 4.85  | ug/L | 99     |
| 9) Trichlorofluoromethane     | 1.712 | 101 | 96698  | 5.38  | ug/L | 99     |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.066 | 101 | 57537  | 5.76  | ug/L | 98     |
| 12) 1,1-Dichloroethene        | 2.066 | 96  | 51478  | 5.30  | ug/L | 94     |
| 13) Acetone                   | 2.121 | 43  | 88205  | 58.65 | ug/L | 96     |
| 14) Carbon disulfide          | 2.236 | 76  | 164941 | 5.16  | ug/L | 98     |
| 15) Methyl Acetate            | 2.378 | 43  | 22987  | 5.94  | ug/L | 99     |
| 16) Methylene chloride        | 2.442 | 84  | 56524  | 5.12  | ug/L | 94     |
| 17) Methyl tert-butyl Ether   | 2.696 | 73  | 111603 | 5.62  | ug/L | 99     |
| 18) trans-1,2-Dichloroethene  | 2.690 | 96  | 51326  | 5.28  | ug/L | 93     |
| 19) 1,1-Dichloroethane        | 3.105 | 63  | 101464 | 5.43  | ug/L | 99     |
| 21) 2-Butanone                | 3.870 | 43  | 125281 | 55.50 | ug/L | 99     |
| 22) cis-1,2-Dichloroethene    | 3.805 | 96  | 51685  | 5.16  | ug/L | 95     |
| 23) Bromochloromethane        | 4.140 | 128 | 25678  | 5.39  | ug/L | 96     |
| 25) Chloroform                | 4.265 | 83  | 102281 | 5.47  | ug/L | 97     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VW021425\  
 Data File : VW038688.D  
 Acq On : 14 Feb 2025 09:29  
 Operator : SY/MD  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005346

Quant Time: Feb 17 10:26:29 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR020625WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Feb 14 14:41:25 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 27) 1,2-Dichloroethane        | 5.034  | 62   | 61323    | 5.58  | ug/L   | 98       |
| 29) 1,1,1-Trichloroethane     | 4.503  | 97   | 86230    | 5.00  | ug/L   | 98       |
| 30) Cyclohexane               | 4.571  | 56   | 78614    | 5.28  | ug/L   | 98       |
| 31) Carbon tetrachloride      | 4.725  | 117  | 76616    | 5.09  | ug/L   | 98       |
| 33) Benzene                   | 4.998  | 78   | 211835   | 5.47  | ug/L   | 100      |
| 34) Trichloroethene           | 5.828  | 95   | 53434    | 5.37  | ug/L   | 98       |
| 35) Methylcyclohexane         | 6.040  | 83   | 79171    | 5.06  | ug/L   | 98       |
| 37) 1,2-Dichloropropane       | 6.085  | 63   | 55676    | 5.69  | ug/L   | 99       |
| 38) Bromodichloromethane      | 6.426  | 83   | 71374    | 5.31  | ug/L   | 99       |
| 39) cis-1,3-Dichloropropene   | 6.950  | 75   | 69073    | 5.18  | ug/L   | 94       |
| 40) 4-Methyl-2-pentanone      | 7.146  | 43   | 326402   | 63.51 | ug/L   | 99       |
| 42) Toluene                   | 7.307  | 91   | 227964   | 5.54  | ug/L   | 99       |
| 44) trans-1,3-Dichloropropene | 7.577  | 75   | 61029    | 5.45  | ug/L   | 98       |
| 45) 1,1,2-Trichloroethane     | 7.760  | 97   | 43956    | 5.74  | ug/L   | 96       |
| 47) Tetrachloroethene         | 7.895  | 164  | 42445    | 5.49  | ug/L   | 98       |
| 48) 2-Hexanone                | 8.069  | 43   | 236799   | 62.44 | ug/L   | 98       |
| 49) Dibromochloromethane      | 8.165  | 129  | 46386    | 5.46  | ug/L   | 98       |
| 50) 1,2-Dibromoethane         | 8.275  | 107  | 40999    | 5.79  | ug/L # | 95       |
| 51) Chlorobenzene             | 8.805  | 112  | 141287   | 5.23  | ug/L   | 99       |
| 52) Ethylbenzene              | 8.937  | 91   | 223935   | 5.13  | ug/L   | 99       |
| 53) m,p-Xylene                | 9.066  | 106  | 83951    | 5.22  | ug/L   | 96       |
| 54) o-Xylene                  | 9.471  | 106  | 80319    | 5.12  | ug/L   | 98       |
| 55) Styrene                   | 9.490  | 104  | 145338   | 5.48  | ug/L   | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 10.169 | 83   | 55678    | 5.91  | ug/L   | 99       |
| 59) Bromoform                 | 9.657  | 173  | 23412    | 5.58  | ug/L   | 96       |
| 60) Isopropylbenzene          | 9.857  | 105  | 222219   | 5.37  | ug/L   | 100      |
| 61) 1,2,3-Trichloropropane    | 10.201 | 75   | 37737    | 5.84  | ug/L   | 99       |
| 62) 1,3,5-Trimethylbenzene    | 10.468 | 105  | 158589   | 4.87  | ug/L   | 98       |
| 63) 1,2,4-Trimethylbenzene    | 10.844 | 105  | 160860   | 4.97  | ug/L   | 100      |
| 64) 1,3-Dichlorobenzene       | 11.111 | 146  | 110523   | 5.35  | ug/L   | 98       |
| 65) 1,4-Dichlorobenzene       | 11.201 | 146  | 111196   | 5.29  | ug/L   | 98       |
| 67) 1,2-Dichlorobenzene       | 11.570 | 146  | 103144   | 5.32  | ug/L   | 97       |
| 68) 1,2-Dibromo-3-chloropr... | 12.355 | 75   | 7278     | 5.53  | ug/L   | 99       |
| 69) 1,3,5-Trichlorobenzene    | 12.574 | 180  | 68117    | 5.02  | ug/L   | 97       |
| 70) 1,2,4-trichlorobenzene    | 13.188 | 180  | 52979    | 5.17  | ug/L   | 99       |
| 71) Naphthalene               | 13.435 | 128  | 73393    | 4.47  | ug/L   | 98       |
| 72) 1,2,3-Trichlorobenzene    | 13.670 | 180  | 47865    | 5.04  | ug/L   | 99       |

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

