

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VV012325\  
 Data File : VV038510.D  
 Acq On : 23 Jan 2025 16:19  
 Operator : SY/MD  
 Sample : VSTDCCC005  
 Misc : 25mL/MSVOA\_V/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005334

Manual Integrations  
 APPROVED

Reviewed By :Mahesh Dadoda 01/24/2025  
 Supervised By :Semsettin Yesilyurt 01/24/2025

Quant Time: Jan 24 00:17:38 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR011725WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Jan 23 01:38:03 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.526  | 114   | 208947   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.776  | 117   | 209620   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.175 | 152   | 114410   | 5.000    | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.278  | 65    | 56939    | 3.304    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 66.000%  |
| 7) Chloroethane-d5            | 1.529  | 69    | 53515    | 3.699    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 74.000%  |
| 11) 1,1-Dichloroethene-d2     | 2.053  | 65    | 28381    | 3.655    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 73.200%  |
| 20) 2-Butanone-d5             | 3.834  | 46    | 164147m  | 45.293   | ug/L   | 0.02     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 90.580%  |
| 24) Chloroform-d              | 4.236  | 84    | 139621   | 4.323    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 86.400%  |
| 26) 1,2-Dichloroethane-d4     | 4.937  | 65    | 62023    | 4.191    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 83.800%  |
| 32) Benzene-d6                | 4.950  | 84    | 250437   | 4.338    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 86.800%  |
| 36) 1,2-Dichloropropane-d6    | 5.979  | 67    | 76595    | 4.365    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 87.200%  |
| 41) Toluene-d8                | 7.233  | 98    | 224796   | 4.335    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 86.600%  |
| 43) trans-1,3-Dichloroprop... | 7.548  | 79    | 28243    | 4.400    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 88.000%  |
| 46) 2-Hexanone-d5             | 8.024  | 63    | 107785   | 42.560   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 85.120%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.143 | 84    | 64096    | 4.607    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 92.200%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.551 | 152   | 85898    | 4.436    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 88.800%  |
|                               |        |       |          |          |        |          |
| Target Compounds              | Qvalue |       |          |          |        |          |
| 2) Dichlorodifluoromethane    | 1.105  | 85    | 104555   | 4.467    | ug/L   | 98       |
| 3) Chloromethane              | 1.214  | 50    | 102168   | 4.266    | ug/L   | 100      |
| 5) Vinyl chloride             | 1.281  | 62    | 107207   | 4.431    | ug/L   | 95       |
| 6) Bromomethane               | 1.487  | 94    | 59715    | 4.934    | ug/L   | 97       |
| 8) Chloroethane               | 1.548  | 64    | 64134    | 4.424    | ug/L   | 100      |
| 9) Trichlorofluoromethane     | 1.709  | 101   | 148141   | 4.811    | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.063  | 101   | 86161    | 4.895    | ug/L   | 98       |
| 12) 1,1-Dichloroethene        | 2.066  | 96    | 78752    | 4.545    | ug/L   | 92       |
| 13) Acetone                   | 2.179  | 43    | 104526m  | 37.068   | ug/L   |          |
| 14) Carbon disulfide          | 2.236  | 76    | 253677   | 4.358    | ug/L   | 99       |
| 15) Methyl Acetate            | 2.391  | 43    | 30384    | 4.217    | ug/L # | 86       |
| 16) Methylene chloride        | 2.442  | 84    | 83066    | 4.326    | ug/L   | 100      |
| 17) Methyl tert-butyl Ether   | 2.699  | 73    | 158200   | 4.339    | ug/L   | 99       |
| 18) trans-1,2-Dichloroethene  | 2.690  | 96    | 82013    | 4.604    | ug/L   | 97       |
| 19) 1,1-Dichloroethane        | 3.105  | 63    | 153329   | 4.523    | ug/L   | 99       |
| 21) 2-Butanone                | 3.915  | 43    | 169792m  | 42.448   | ug/L   |          |
| 22) cis-1,2-Dichloroethene    | 3.805  | 96    | 81565    | 4.504    | ug/L   | 96       |
| 23) Bromochloromethane        | 4.140  | 128   | 38116    | 4.625    | ug/L   | 94       |
| 25) Chloroform                | 4.262  | 83    | 152717   | 4.557    | ug/L   | 98       |

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 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005334

Quant Time: Jan 24 00:17:38 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR011725WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Jan 23 01:38:03 2025  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By :Mahesh Dadoda 01/24/2025  
 Supervised By :Semsettin Yesilyurt 01/24/2025

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.034  | 62   | 84385    | 4.527  | ug/L  | 99       |
| 29) 1,1,1-Trichloroethane     | 4.500  | 97   | 134796   | 4.837  | ug/L  | 97       |
| 30) Cyclohexane               | 4.571  | 56   | 123015   | 4.846  | ug/L  | 96       |
| 31) Carbon tetrachloride      | 4.722  | 117  | 119041   | 4.833  | ug/L  | 99       |
| 33) Benzene                   | 4.998  | 78   | 321625   | 4.832  | ug/L  | 100      |
| 34) Trichloroethene           | 5.825  | 95   | 86527    | 5.002  | ug/L  | 96       |
| 35) Methylcyclohexane         | 6.040  | 83   | 133367   | 5.058  | ug/L  | 98       |
| 37) 1,2-Dichloropropane       | 6.085  | 63   | 84940    | 4.941  | ug/L  | 99       |
| 38) Bromodichloromethane      | 6.423  | 83   | 104005   | 4.665  | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 6.947  | 75   | 110828   | 4.677  | ug/L  | 98       |
| 40) 4-Methyl-2-pentanone      | 7.149  | 43   | 404461   | 45.475 | ug/L  | 99       |
| 42) Toluene                   | 7.307  | 91   | 355981   | 5.131  | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 7.574  | 75   | 91502    | 4.557  | ug/L  | 99       |
| 45) 1,1,2-Trichloroethane     | 7.760  | 97   | 57905    | 4.683  | ug/L  | 98       |
| 47) Tetrachloroethene         | 7.895  | 164  | 67527    | 5.043  | ug/L  | 99       |
| 48) 2-Hexanone                | 8.072  | 43   | 293787   | 45.620 | ug/L  | 99       |
| 49) Dibromochloromethane      | 8.165  | 129  | 65280    | 4.586  | ug/L  | 95       |
| 50) 1,2-Dibromoethane         | 8.275  | 107  | 54363    | 4.725  | ug/L  | 99       |
| 51) Chlorobenzene             | 8.805  | 112  | 227951   | 4.883  | ug/L  | 98       |
| 52) Ethylbenzene              | 8.937  | 91   | 376273   | 5.042  | ug/L  | 100      |
| 53) m,p-Xylene                | 9.063  | 106  | 143137   | 5.060  | ug/L  | 95       |
| 54) o-Xylene                  | 9.468  | 106  | 136868   | 5.078  | ug/L  | 99       |
| 55) Styrene                   | 9.487  | 104  | 242812   | 5.166  | ug/L  | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 10.169 | 83   | 67443    | 4.479  | ug/L  | 99       |
| 59) Bromoform                 | 9.657  | 173  | 34713    | 4.351  | ug/L  | 98       |
| 60) Isopropylbenzene          | 9.857  | 105  | 376671   | 4.893  | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 10.201 | 75   | 47098    | 4.285  | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 10.468 | 105  | 290884   | 4.825  | ug/L  | 98       |
| 63) 1,2,4-Trimethylbenzene    | 10.844 | 105  | 295595   | 4.909  | ug/L  | 98       |
| 64) 1,3-Dichlorobenzene       | 11.107 | 146  | 187586   | 4.912  | ug/L  | 98       |
| 65) 1,4-Dichlorobenzene       | 11.201 | 146  | 187389   | 4.746  | ug/L  | 98       |
| 67) 1,2-Dichlorobenzene       | 11.570 | 146  | 168658   | 4.716  | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.358 | 75   | 8969     | 3.948  | ug/L  | 90       |
| 69) 1,3,5-Trichlorobenzene    | 12.574 | 180  | 124021   | 4.721  | ug/L  | 98       |
| 70) 1,2,4-trichlorobenzene    | 13.191 | 180  | 91282    | 4.676  | ug/L  | 99       |
| 71) Naphthalene               | 13.432 | 128  | 122142   | 4.223  | ug/L  | 98       |
| 72) 1,2,3-Trichlorobenzene    | 13.670 | 180  | 80177    | 4.750  | ug/L  | 99       |

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

