

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW020824\  
 Data File : VW034045.D  
 Acq On : 08 Feb 2024 08:58  
 Operator : SY/MD  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005343

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 02/09/2024  
 Supervised By :Mahesh Dadoda 02/09/2024

Quant Time: Feb 09 00:33:34 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR012524WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Feb 08 04:46:29 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.535  | 114   | 88002    | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.786  | 117   | 80238    | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.185 | 152   | 41237    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.278  | 65    | 32819    | 4.815    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 96.400%  |
| 7) Chloroethane-d5            | 1.535  | 69    | 27153    | 4.548    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 91.000%  |
| 11) 1,1-Dichloroethene-d2     | 2.060  | 65    | 15414    | 4.690    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 93.800%  |
| 20) 2-Butanone-d5             | 3.822  | 46    | 48965m   | 42.777   | ug/L   | 0.01     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 85.560%  |
| 24) Chloroform-d              | 4.252  | 84    | 55845    | 4.509    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 90.200%  |
| 26) 1,2-Dichloroethane-d4     | 4.947  | 65    | 25654    | 4.433    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 88.600%  |
| 32) Benzene-d6                | 4.960  | 84    | 105103   | 4.366    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 87.400%  |
| 36) 1,2-Dichloropropane-d6    | 5.989  | 67    | 28427    | 4.224    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 84.400%  |
| 41) Toluene-d8                | 7.243  | 98    | 98697    | 4.461    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 89.200%  |
| 43) trans-1,3-Dichloroprop... | 7.555  | 79    | 11336    | 4.461    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 89.200%  |
| 46) 2-Hexanone-d5             | 8.027  | 63    | 34887    | 38.461   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 76.920%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.156 | 84    | 16202    | 3.971    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 79.400%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.561 | 152   | 32155    | 4.288    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 85.800%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.108  | 85    | 39332    | 4.877    | ug/L   | 100      |
| 3) Chloromethane              | 1.217  | 50    | 40637    | 4.620    | ug/L   | 98       |
| 5) Vinyl chloride             | 1.285  | 62    | 39398    | 4.687    | ug/L   | 89       |
| 6) Bromomethane               | 1.490  | 94    | 21922    | 4.952    | ug/L   | 99       |
| 8) Chloroethane               | 1.552  | 64    | 25969    | 4.529    | ug/L   | 98       |
| 9) Trichlorofluoromethane     | 1.716  | 101   | 63827    | 5.269    | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.069  | 101   | 32642    | 5.155    | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 2.069  | 96    | 30587    | 4.975    | ug/L   | 94       |
| 13) Acetone                   | 2.150  | 43    | 38764m   | 44.639   | ug/L   |          |
| 14) Carbon disulfide          | 2.243  | 76    | 87405    | 4.394    | ug/L   | 98       |
| 15) Methyl Acetate            | 2.391  | 43    | 8515     | 4.143    | ug/L   | 99       |
| 16) Methylene chloride        | 2.449  | 84    | 27810    | 4.715    | ug/L   | 97       |
| 17) Methyl tert-butyl Ether   | 2.706  | 73    | 60854    | 4.818    | ug/L   | 97       |
| 18) trans-1,2-Dichloroethene  | 2.696  | 96    | 28836    | 4.605    | ug/L   | 98       |
| 19) 1,1-Dichloroethane        | 3.111  | 63    | 57068    | 4.960    | ug/L   | 98       |
| 21) 2-Butanone                | 3.902  | 43    | 52684    | 45.910   | ug/L   | 97       |
| 22) cis-1,2-Dichloroethene    | 3.815  | 96    | 31017    | 4.366    | ug/L   | 89       |
| 23) Bromochloromethane        | 4.153  | 128   | 12274    | 4.970    | ug/L   | 90       |
| 25) Chloroform                | 4.278  | 83    | 57923    | 4.980    | ug/L   | 100      |

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 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005343

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 02/09/2024  
 Supervised By :Mahesh Dadoda 02/09/2024

Quant Time: Feb 09 00:33:34 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR012524WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Feb 08 04:46:29 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 5.047  | 62   | 33375    | 5.011  | ug/L   | 100      |
| 29) 1,1,1-Trichloroethane     | 4.510  | 97   | 55906    | 5.190  | ug/L   | 99       |
| 30) Cyclohexane               | 4.580  | 56   | 49141    | 4.691  | ug/L   | 97       |
| 31) Carbon tetrachloride      | 4.735  | 117  | 49204    | 5.220  | ug/L   | 100      |
| 33) Benzene                   | 5.011  | 78   | 117204   | 4.870  | ug/L   | 100      |
| 34) Trichloroethene           | 5.834  | 95   | 31888    | 4.578  | ug/L   | 96       |
| 35) Methylcyclohexane         | 6.050  | 83   | 52048    | 4.761  | ug/L   | 97       |
| 37) 1,2-Dichloropropane       | 6.095  | 63   | 27778    | 4.765  | ug/L   | 100      |
| 38) Bromodichloromethane      | 6.432  | 83   | 37909    | 4.954  | ug/L # | 98       |
| 39) cis-1,3-Dichloropropene   | 6.956  | 75   | 40857    | 4.606  | ug/L   | 100      |
| 40) 4-Methyl-2-pentanone      | 7.159  | 43   | 127693   | 45.743 | ug/L   | 99       |
| 42) Toluene                   | 7.313  | 91   | 131038   | 5.095  | ug/L   | 95       |
| 44) trans-1,3-Dichloropropene | 7.583  | 75   | 34194    | 5.021  | ug/L   | 100      |
| 45) 1,1,2-Trichloroethane     | 7.770  | 97   | 16557    | 4.600  | ug/L   | 96       |
| 47) Tetrachloroethene         | 7.905  | 164  | 26504    | 4.683  | ug/L   | 96       |
| 48) 2-Hexanone                | 8.079  | 43   | 88694    | 45.074 | ug/L   | 99       |
| 49) Dibromochloromethane      | 8.178  | 129  | 21130    | 4.940  | ug/L   | 97       |
| 50) 1,2-Dibromoethane         | 8.284  | 107  | 15994    | 4.950  | ug/L # | 97       |
| 51) Chlorobenzene             | 8.815  | 112  | 81149    | 4.990  | ug/L   | 98       |
| 52) Ethylbenzene              | 8.947  | 91   | 148738   | 5.024  | ug/L   | 100      |
| 53) m,p-Xylene                | 9.072  | 106  | 55901    | 4.997  | ug/L   | 97       |
| 54) o-Xylene                  | 9.477  | 106  | 53038    | 4.916  | ug/L   | 99       |
| 55) Styrene                   | 9.497  | 104  | 88536    | 5.125  | ug/L   | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 10.178 | 83   | 18491    | 4.867  | ug/L   | 100      |
| 59) Bromoform                 | 9.667  | 173  | 10960    | 4.825  | ug/L   | 99       |
| 60) Isopropylbenzene          | 9.866  | 105  | 151994   | 4.981  | ug/L   | 100      |
| 61) 1,2,3-Trichloropropane    | 10.210 | 75   | 12901    | 4.551  | ug/L   | 99       |
| 62) 1,3,5-Trimethylbenzene    | 10.474 | 105  | 127156   | 4.929  | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 10.850 | 105  | 122920   | 4.904  | ug/L   | 100      |
| 64) 1,3-Dichlorobenzene       | 11.117 | 146  | 66332    | 4.986  | ug/L   | 97       |
| 65) 1,4-Dichlorobenzene       | 11.210 | 146  | 64085    | 4.865  | ug/L   | 97       |
| 67) 1,2-Dichlorobenzene       | 11.580 | 146  | 56316    | 4.929  | ug/L   | 96       |
| 68) 1,2-Dibromo-3-chloropr... | 12.365 | 75   | 2850     | 4.797  | ug/L   | 97       |
| 69) 1,3,5-Trichlorobenzene    | 12.583 | 180  | 52617    | 5.110  | ug/L   | 98       |
| 70) 1,2,4-trichlorobenzene    | 13.197 | 180  | 40223    | 5.004  | ug/L   | 98       |
| 71) Naphthalene               | 13.442 | 128  | 48836    | 4.637  | ug/L   | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.680 | 180  | 31787    | 4.936  | ug/L   | 99       |

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

