

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV040224\  
 Data File : VV034943.D  
 Acq On : 02 Apr 2024 19:55  
 Operator : SY/MD  
 Sample : VSTDCCC005EC  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005378

Quant Time: Apr 03 05:24:17 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR040224WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Apr 03 05:08:19 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min)  |
|-------------------------------|--------|-------|----------|----------|--------|-----------|
| -----                         |        |       |          |          |        |           |
| Internal Standards            |        |       |          |          |        |           |
| 1) 1,4-Difluorobenzene        | 5.535  | 114   | 155154   | 5.000    | ug/L   | 0.00      |
| 28) Chlorobenzene-d5          | 8.786  | 117   | 152683   | 5.000    | ug/L   | 0.00      |
| 58) 1,4-Dichlorobenzene-d4    | 11.185 | 152   | 81376    | 5.000    | ug/L   | 0.00      |
| System Monitoring Compounds   |        |       |          |          |        |           |
| 4) Vinyl Chloride-d3          | 1.278  | 65    | 57736    | 4.515    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 90.400%   |
| 7) Chloroethane-d5            | 1.535  | 69    | 47182    | 4.475    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 89.600%   |
| 11) 1,1-Dichloroethene-d2     | 2.060  | 65    | 26219    | 4.515    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 90.200%   |
| 20) 2-Butanone-d5             | 3.815  | 46    | 140008   | 69.980   | ug/L   | -0.02     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 139.960%# |
| 24) Chloroform-d              | 4.252  | 84    | 101178   | 4.890    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 97.800%   |
| 26) 1,2-Dichloroethane-d4     | 4.947  | 65    | 51447    | 5.506    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 110.200%  |
| 32) Benzene-d6                | 4.963  | 84    | 196156   | 4.911    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 98.200%   |
| 36) 1,2-Dichloropropane-d6    | 5.989  | 67    | 59060    | 5.038    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 100.800%  |
| 41) Toluene-d8                | 7.243  | 98    | 182184   | 5.022    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 100.400%  |
| 43) trans-1,3-Dichloroprop... | 7.558  | 79    | 22176    | 5.325    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 106.600%  |
| 46) 2-Hexanone-d5             | 8.027  | 63    | 106970   | 74.846   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 149.700%# |
| 56) 1,1,2,2-Tetrachloroeth... | 10.152 | 84    | 52643    | 6.436    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 128.800%# |
| 66) 1,2-Dichlorobenzene-d4    | 11.561 | 152   | 62876    | 4.905    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 98.200%   |
| Target Compounds              |        |       |          |          |        |           |
|                               |        |       |          |          | Qvalue |           |
| 2) Dichlorodifluoromethane    | 1.108  | 85    | 62870    | 5.265    | ug/L   | 100       |
| 3) Chloromethane              | 1.217  | 50    | 69685    | 4.811    | ug/L   | 98        |
| 5) Vinyl chloride             | 1.285  | 62    | 75891    | 4.899    | ug/L   | 96        |
| 6) Bromomethane               | 1.490  | 94    | 42196    | 4.771    | ug/L   | 99        |
| 8) Chloroethane               | 1.552  | 64    | 49116    | 4.933    | ug/L   | 100       |
| 9) Trichlorofluoromethane     | 1.715  | 101   | 109843   | 5.335    | ug/L   | 100       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.069  | 101   | 66689    | 5.287    | ug/L   | 98        |
| 12) 1,1-Dichloroethene        | 2.069  | 96    | 58536    | 4.969    | ug/L   | 93        |
| 13) Acetone                   | 2.140  | 43    | 109298   | 74.890   | ug/L   | 69        |
| 14) Carbon disulfide          | 2.243  | 76    | 167867   | 4.784    | ug/L   | 100       |
| 15) Methyl Acetate            | 2.387  | 43    | 27925    | 6.932    | ug/L   | 92        |
| 16) Methylene chloride        | 2.449  | 84    | 69298    | 5.362    | ug/L   | 95        |
| 17) Methyl tert-butyl Ether   | 2.706  | 73    | 159020   | 6.269    | ug/L   | 99        |
| 18) trans-1,2-Dichloroethene  | 2.696  | 96    | 57732    | 4.945    | ug/L   | 91        |
| 19) 1,1-Dichloroethane        | 3.114  | 63    | 119412   | 5.184    | ug/L   | 99        |
| 21) 2-Butanone                | 3.895  | 43    | 165964   | 70.952   | ug/L # | 75        |
| 22) cis-1,2-Dichloroethene    | 3.818  | 96    | 64597    | 5.283    | ug/L   | 98        |
| 23) Bromochloromethane        | 4.149  | 128   | 29936    | 5.831    | ug/L   | 95        |
| 25) Chloroform                | 4.278  | 83    | 117965   | 5.156    | ug/L   | 99        |

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 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005378

Quant Time: Apr 03 05:24:17 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR040224WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Apr 03 05:08:19 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 5.047  | 62   | 77695    | 6.035  | ug/L   | 99       |
| 29) 1,1,1-Trichloroethane     | 4.513  | 97   | 97906    | 5.232  | ug/L   | 98       |
| 30) Cyclohexane               | 4.584  | 56   | 95101    | 5.517  | ug/L   | 97       |
| 31) Carbon tetrachloride      | 4.735  | 117  | 83920    | 5.240  | ug/L   | 99       |
| 33) Benzene                   | 5.011  | 78   | 246408   | 5.271  | ug/L   | 100      |
| 34) Trichloroethene           | 5.834  | 95   | 65790    | 5.402  | ug/L   | 96       |
| 35) Methylcyclohexane         | 6.050  | 83   | 99048    | 5.340  | ug/L   | 99       |
| 37) 1,2-Dichloropropane       | 6.095  | 63   | 66167    | 5.459  | ug/L   | 99       |
| 38) Bromodichloromethane      | 6.436  | 83   | 85079    | 5.564  | ug/L # | 99       |
| 39) cis-1,3-Dichloropropene   | 6.956  | 75   | 91855    | 5.642  | ug/L   | 96       |
| 40) 4-Methyl-2-pentanone      | 7.159  | 43   | 409111   | 74.812 | ug/L   | 98       |
| 42) Toluene                   | 7.317  | 91   | 262132   | 5.335  | ug/L   | 100      |
| 44) trans-1,3-Dichloropropene | 7.583  | 75   | 80965    | 5.999  | ug/L   | 99       |
| 45) 1,1,2-Trichloroethane     | 7.770  | 97   | 49701    | 6.241  | ug/L   | 98       |
| 47) Tetrachloroethene         | 7.905  | 164  | 47962    | 5.242  | ug/L   | 97       |
| 48) 2-Hexanone                | 8.075  | 43   | 307216   | 74.418 | ug/L   | 99       |
| 49) Dibromochloromethane      | 8.178  | 129  | 57017    | 6.083  | ug/L   | 98       |
| 50) 1,2-Dibromoethane         | 8.284  | 107  | 47860    | 6.384  | ug/L   | 99       |
| 51) Chlorobenzene             | 8.815  | 112  | 176296   | 5.554  | ug/L   | 99       |
| 52) Ethylbenzene              | 8.947  | 91   | 278365   | 5.245  | ug/L   | 99       |
| 53) m,p-Xylene                | 9.072  | 106  | 101119   | 5.189  | ug/L   | 99       |
| 54) o-Xylene                  | 9.477  | 106  | 102079   | 5.339  | ug/L   | 97       |
| 55) Styrene                   | 9.497  | 104  | 172527   | 5.612  | ug/L   | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.178 | 83   | 62494    | 6.565  | ug/L   | 97       |
| 59) Bromoform                 | 9.667  | 173  | 30126    | 5.956  | ug/L   | 97       |
| 60) Isopropylbenzene          | 9.866  | 105  | 255924   | 5.032  | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 10.210 | 75   | 48932    | 6.441  | ug/L   | 97       |
| 62) 1,3,5-Trimethylbenzene    | 10.474 | 105  | 203819   | 4.878  | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 10.850 | 105  | 212785   | 5.020  | ug/L   | 98       |
| 64) 1,3-Dichlorobenzene       | 11.117 | 146  | 148680   | 5.728  | ug/L   | 100      |
| 65) 1,4-Dichlorobenzene       | 11.207 | 146  | 182141   | 7.006  | ug/L   | 98       |
| 67) 1,2-Dichlorobenzene       | 11.580 | 146  | 128359   | 5.353  | ug/L   | 97       |
| 68) 1,2-Dibromo-3-chloropr... | 12.365 | 75   | 10072    | 6.450  | ug/L   | 94       |
| 69) 1,3,5-Trichlorobenzene    | 12.580 | 180  | 93637    | 4.804  | ug/L   | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.197 | 180  | 312176   | 20.619 | ug/L   | 99       |
| 71) Naphthalene               | 13.438 | 128  | 129262   | 6.075  | ug/L   | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.680 | 180  | 91899    | 6.902  | ug/L   | 98       |

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

