

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU122722\  
 Data File : VU052579.D  
 Acq On : 27 Dec 2022 20:54  
 Operator : JC/MD  
 Sample : VSTDCCC005EC  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005119

Quant Time: Dec 28 01:26:26 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR122022WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Dec 28 01:18:16 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.247  | 114   | 187230   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.414  | 117   | 176798   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.806 | 152   | 92439    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.601  | 65    | 68348    | 3.603    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 72.000%  |
| 7) Chloroethane-d5            | 1.916  | 69    | 68632    | 4.196    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 84.000%  |
| 11) 1,1-Dichloroethene-d2     | 2.565  | 65    | 31231    | 3.826    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 76.600%  |
| 20) 2-Butanone-d5             | 4.642  | 46    | 337767   | 57.422   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 114.840% |
| 24) Chloroform-d              | 5.060  | 84    | 154986   | 4.843    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 96.800%  |
| 26) 1,2-Dichloroethane-d4     | 5.697  | 65    | 88857    | 4.787    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 95.800%  |
| 32) Benzene-d6                | 5.723  | 84    | 307356   | 5.071    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 101.400% |
| 36) 1,2-Dichloropropane-d6    | 6.687  | 67    | 108791   | 5.214    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 104.200% |
| 41) Toluene-d8                | 7.893  | 98    | 270299   | 5.312    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 106.200% |
| 43) trans-1,3-Dichloroprop... | 8.176  | 79    | 39390    | 5.513    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 110.200% |
| 46) 2-Hexanone-d5             | 8.629  | 63    | 249077   | 63.718   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 127.440% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.751 | 84    | 96594    | 5.453    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 109.000% |
| 66) 1,2-Dichlorobenzene-d4    | 12.189 | 152   | 98285    | 5.222    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 104.400% |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.385  | 85    | 67689    | 4.063    | ug/L   | 100      |
| 3) Chloromethane              | 1.520  | 50    | 114547   | 4.763    | ug/L   | 100      |
| 5) Vinyl chloride             | 1.604  | 62    | 98524    | 4.520    | ug/L   | 95       |
| 6) Bromomethane               | 1.858  | 94    | 45600    | 3.669    | ug/L   | 95       |
| 8) Chloroethane               | 1.935  | 64    | 64346    | 4.310    | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 2.141  | 101   | 104264   | 4.230    | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.581  | 101   | 60993    | 4.163    | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 2.581  | 96    | 62435    | 4.453    | ug/L   | 96       |
| 13) Acetone                   | 2.662  | 43    | 183317   | 42.276   | ug/L   | 99       |
| 14) Carbon disulfide          | 2.793  | 76    | 198662   | 4.397    | ug/L   | 99       |
| 15) Methyl Acetate            | 2.957  | 43    | 47977    | 5.022    | ug/L   | 100      |
| 16) Methylene chloride        | 3.044  | 84    | 91754    | 4.632    | ug/L   | 96       |
| 17) Methyl tert-butyl Ether   | 3.363  | 73    | 198180   | 5.294    | ug/L   | 100      |
| 18) trans-1,2-Dichloroethene  | 3.353  | 96    | 70071    | 4.849    | ug/L   | 100      |
| 19) 1,1-Dichloroethane        | 3.867  | 63    | 153933   | 4.898    | ug/L   | 98       |
| 21) 2-Butanone                | 4.719  | 43    | 331084   | 51.843   | ug/L   | 97       |
| 22) cis-1,2-Dichloroethene    | 4.662  | 96    | 81122    | 5.115    | ug/L   | 95       |
| 23) Bromochloromethane        | 4.970  | 128   | 35880    | 4.882    | ug/L   | 92       |
| 25) Chloroform                | 5.086  | 83    | 147229   | 4.835    | ug/L   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU122722\  
 Data File : VU052579.D  
 Acq On : 27 Dec 2022 20:54  
 Operator : JC/MD  
 Sample : VSTDCCC005EC  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005119

Quant Time: Dec 28 01:26:26 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR122022WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Dec 28 01:18:16 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 5.790  | 62   | 104711   | 4.977  | ug/L   | 98       |
| 29) 1,1,1-Trichloroethane     | 5.314  | 97   | 110880   | 4.983  | ug/L   | 98       |
| 30) Cyclohexane               | 5.385  | 56   | 115269   | 4.794  | ug/L   | 99       |
| 31) Carbon tetrachloride      | 5.523  | 117  | 89919    | 4.599  | ug/L   | 98       |
| 33) Benzene                   | 5.771  | 78   | 329695   | 5.177  | ug/L   | 100      |
| 34) Trichloroethene           | 6.539  | 95   | 75878    | 5.097  | ug/L   | 99       |
| 35) Methylcyclohexane         | 6.761  | 83   | 106531   | 4.745  | ug/L   | 96       |
| 37) 1,2-Dichloropropane       | 6.787  | 63   | 93433    | 5.258  | ug/L   | 100      |
| 38) Bromodichloromethane      | 7.102  | 83   | 107967   | 4.992  | ug/L   | 99       |
| 39) cis-1,3-Dichloropropene   | 7.604  | 75   | 122222   | 5.431  | ug/L   | 98       |
| 40) 4-Methyl-2-pentanone      | 7.787  | 43   | 733141   | 56.458 | ug/L   | 97       |
| 42) Toluene                   | 7.964  | 91   | 331039   | 5.422  | ug/L   | 97       |
| 44) trans-1,3-Dichloropropene | 8.205  | 75   | 109472   | 5.520  | ug/L   | 96       |
| 45) 1,1,2-Trichloroethane     | 8.394  | 97   | 65752    | 5.224  | ug/L   | 99       |
| 47) Tetrachloroethene         | 8.549  | 164  | 52965    | 5.097  | ug/L   | 97       |
| 48) 2-Hexanone                | 8.681  | 43   | 543798   | 55.556 | ug/L   | 98       |
| 49) Dibromochloromethane      | 8.806  | 129  | 70060    | 5.257  | ug/L   | 97       |
| 50) 1,2-Dibromoethane         | 8.919  | 107  | 58967    | 5.154  | ug/L # | 98       |
| 51) Chlorobenzene             | 9.443  | 112  | 205828   | 5.279  | ug/L   | 99       |
| 52) Ethylbenzene              | 9.565  | 91   | 342585   | 5.422  | ug/L   | 100      |
| 53) m,p-Xylene                | 9.690  | 106  | 131095   | 5.626  | ug/L   | 98       |
| 54) o-Xylene                  | 10.095 | 106  | 127739   | 5.719  | ug/L   | 99       |
| 55) Styrene                   | 10.108 | 104  | 226070   | 5.818  | ug/L   | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 10.777 | 83   | 90665    | 5.211  | ug/L # | 97       |
| 59) Bromoform                 | 10.285 | 173  | 39634    | 4.880  | ug/L   | 100      |
| 60) Isopropylbenzene          | 10.478 | 105  | 329120   | 5.493  | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 10.819 | 75   | 64678    | 4.878  | ug/L   | 99       |
| 62) 1,3,5-Trimethylbenzene    | 11.082 | 105  | 272483   | 5.514  | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 11.465 | 105  | 281878   | 5.667  | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 11.742 | 146  | 158362   | 5.327  | ug/L   | 99       |
| 65) 1,4-Dichlorobenzene       | 11.832 | 146  | 158590   | 5.159  | ug/L   | 98       |
| 67) 1,2-Dichlorobenzene       | 12.208 | 146  | 152841   | 5.203  | ug/L   | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.989 | 75   | 14991    | 4.995  | ug/L   | 94       |
| 69) 1,3,5-Trichlorobenzene    | 13.214 | 180  | 112797   | 5.153  | ug/L   | 98       |
| 70) 1,2,4-trichlorobenzene    | 13.835 | 180  | 98614    | 5.354  | ug/L   | 99       |
| 71) Naphthalene               | 14.079 | 128  | 211071   | 5.664  | ug/L   | 100      |
| 72) 1,2,3-Trichlorobenzene    | 14.323 | 180  | 99317    | 5.380  | ug/L   | 100      |

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

