

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU122624\  
 Data File : VU062588.D  
 Acq On : 26 Dec 2024 21:32  
 Operator : MD/SY  
 Sample : VSTDCCC005  
 Misc : 25mL/MSVOA\_U/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005087

Quant Time: Dec 27 00:29:08 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR120924WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Dec 27 00:22:56 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min)  |
|-------------------------------|--------|-------|----------|----------|--------|-----------|
| -----                         |        |       |          |          |        |           |
| Internal Standards            |        |       |          |          |        |           |
| 1) 1,4-Difluorobenzene        | 6.238  | 114   | 94548    | 5.000    | ug/L   | 0.00      |
| 28) Chlorobenzene-d5          | 9.409  | 117   | 88158    | 5.000    | ug/L   | 0.00      |
| 58) 1,4-Dichlorobenzene-d4    | 11.801 | 152   | 48828    | 5.000    | ug/L   | 0.00      |
| System Monitoring Compounds   |        |       |          |          |        |           |
| 4) Vinyl Chloride-d3          | 1.596  | 65    | 22827    | 3.579    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 71.600%   |
| 7) Chloroethane-d5            | 1.907  | 69    | 20736    | 4.571    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 91.400%   |
| 11) 1,1-Dichloroethene-d2     | 2.560  | 65    | 12667    | 4.175    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 83.600%   |
| 20) 2-Butanone-d5             | 4.621  | 46    | 67325    | 55.085   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 110.160%  |
| 24) Chloroform-d              | 5.049  | 84    | 71213    | 5.160    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 103.200%  |
| 26) 1,2-Dichloroethane-d4     | 5.689  | 65    | 39111    | 5.763    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 115.200%  |
| 32) Benzene-d6                | 5.714  | 84    | 117913   | 4.644    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 92.800%   |
| 36) 1,2-Dichloropropane-d6    | 6.679  | 67    | 33054    | 4.550    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 91.000%   |
| 41) Toluene-d8                | 7.888  | 98    | 115322   | 4.808    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 96.200%   |
| 43) trans-1,3-Dichloroprop... | 8.171  | 79    | 16546    | 5.174    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 103.400%  |
| 46) 2-Hexanone-d5             | 8.624  | 63    | 63407    | 65.725   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 131.440%# |
| 56) 1,1,2,2-Tetrachloroeth... | 10.743 | 84    | 30606    | 5.414    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 108.200%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.184 | 152   | 47031    | 5.227    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 104.600%  |
| Target Compounds              |        |       |          |          |        |           |
|                               |        |       |          |          | Qvalue |           |
| 2) Dichlorodifluoromethane    | 1.380  | 85    | 40118    | 4.530    | ug/L   | 97        |
| 3) Chloromethane              | 1.515  | 50    | 27120    | 3.906    | ug/L   | 97        |
| 5) Vinyl chloride             | 1.599  | 62    | 33038    | 4.571    | ug/L   | 99        |
| 6) Bromomethane               | 1.853  | 94    | 23866    | 4.954    | ug/L   | 97        |
| 8) Chloroethane               | 1.927  | 64    | 18723    | 4.625    | ug/L   | 97        |
| 9) Trichlorofluoromethane     | 2.129  | 101   | 69011    | 5.501    | ug/L   | 97        |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.573  | 101   | 34046    | 4.986    | ug/L   | 91        |
| 12) 1,1-Dichloroethene        | 2.573  | 96    | 31017    | 4.859    | ug/L   | 92        |
| 13) Acetone                   | 2.634  | 43    | 47373    | 56.927   | ug/L   | 99        |
| 14) Carbon disulfide          | 2.785  | 76    | 80068    | 3.966    | ug/L   | 98        |
| 15) Methyl Acetate            | 2.949  | 43    | 9859     | 4.727    | ug/L # | 87        |
| 16) Methylene chloride        | 3.036  | 84    | 33822    | 5.047    | ug/L   | 88        |
| 17) Methyl tert-butyl Ether   | 3.351  | 73    | 90562    | 5.695    | ug/L   | 97        |
| 18) trans-1,2-Dichloroethene  | 3.345  | 96    | 31670    | 4.828    | ug/L   | 89        |
| 19) 1,1-Dichloroethane        | 3.856  | 63    | 60896    | 5.065    | ug/L   | 97        |
| 21) 2-Butanone                | 4.698  | 43    | 66594    | 55.104   | ug/L   | 91        |
| 22) cis-1,2-Dichloroethene    | 4.653  | 96    | 38856    | 5.285    | ug/L   | 89        |
| 23) Bromochloromethane        | 4.965  | 128   | 18426    | 5.718    | ug/L # | 71        |
| 25) Chloroform                | 5.075  | 83    | 75254    | 5.557    | ug/L   | 99        |

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 Sample : VSTDCCC005  
 Misc : 25mL/MSVOA\_U/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005087

Quant Time: Dec 27 00:29:08 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR120924WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Dec 27 00:22:56 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 5.782  | 62   | 49405    | 5.741  | ug/L   | 95       |
| 29) 1,1,1-Trichloroethane     | 5.303  | 97   | 70408    | 5.677  | ug/L   | 94       |
| 30) Cyclohexane               | 5.374  | 56   | 42484    | 4.225  | ug/L   | 87       |
| 31) Carbon tetrachloride      | 5.512  | 117  | 65107    | 5.725  | ug/L   | 98       |
| 33) Benzene                   | 5.763  | 78   | 137408   | 5.030  | ug/L   | 100      |
| 34) Trichloroethene           | 6.531  | 95   | 42345    | 5.472  | ug/L   | 95       |
| 35) Methylcyclohexane         | 6.750  | 83   | 51796    | 4.514  | ug/L   | 93       |
| 37) 1,2-Dichloropropane       | 6.775  | 63   | 32692    | 4.914  | ug/L   | 98       |
| 38) Bromodichloromethane      | 7.094  | 83   | 52843    | 5.630  | ug/L # | 97       |
| 39) cis-1,3-Dichloropropene   | 7.599  | 75   | 56337    | 5.283  | ug/L   | 99       |
| 40) 4-Methyl-2-pentanone      | 7.779  | 43   | 169680   | 54.418 | ug/L # | 90       |
| 42) Toluene                   | 7.959  | 91   | 153779   | 5.220  | ug/L   | 98       |
| 44) trans-1,3-Dichloropropene | 8.200  | 75   | 49546    | 5.690  | ug/L   | 99       |
| 45) 1,1,2-Trichloroethane     | 8.390  | 97   | 28465    | 5.667  | ug/L   | 95       |
| 47) Tetrachloroethene         | 8.544  | 164  | 31505    | 5.273  | ug/L   | 96       |
| 48) 2-Hexanone                | 8.676  | 43   | 125814   | 54.598 | ug/L # | 95       |
| 49) Dibromochloromethane      | 8.798  | 129  | 37382    | 6.160  | ug/L   | 95       |
| 50) 1,2-Dibromoethane         | 8.914  | 107  | 27621    | 5.723  | ug/L # | 98       |
| 51) Chlorobenzene             | 9.438  | 112  | 101233   | 5.363  | ug/L   | 98       |
| 52) Ethylbenzene              | 9.560  | 91   | 176592   | 5.347  | ug/L   | 99       |
| 53) m,p-Xylene                | 9.682  | 106  | 65643    | 5.383  | ug/L   | 95       |
| 54) o-Xylene                  | 10.090 | 106  | 66506    | 5.608  | ug/L   | 99       |
| 55) Styrene                   | 10.103 | 104  | 109907   | 5.622  | ug/L   | 94       |
| 57) 1,1,2,2-Tetrachloroethane | 10.769 | 83   | 33450    | 5.723  | ug/L # | 98       |
| 59) Bromoform                 | 10.280 | 173  | 22729    | 5.923  | ug/L   | 97       |
| 60) Isopropylbenzene          | 10.473 | 105  | 183039   | 5.189  | ug/L   | 98       |
| 61) 1,2,3-Trichloropropane    | 10.811 | 75   | 24473    | 5.420  | ug/L   | 94       |
| 62) 1,3,5-Trimethylbenzene    | 11.078 | 105  | 156786   | 5.252  | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 11.457 | 105  | 156455   | 5.350  | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 11.737 | 146  | 85962    | 5.305  | ug/L   | 98       |
| 65) 1,4-Dichlorobenzene       | 11.827 | 146  | 84392    | 5.172  | ug/L   | 98       |
| 67) 1,2-Dichlorobenzene       | 12.203 | 146  | 81087    | 5.415  | ug/L   | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 12.987 | 75   | 6275     | 6.371  | ug/L # | 80       |
| 69) 1,3,5-Trichlorobenzene    | 13.209 | 180  | 64874    | 5.386  | ug/L   | 98       |
| 70) 1,2,4-trichlorobenzene    | 13.830 | 180  | 52838    | 5.556  | ug/L   | 96       |
| 71) Naphthalene               | 14.077 | 128  | 82987    | 5.812  | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 14.319 | 180  | 47718    | 5.690  | ug/L   | 99       |

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

