

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU122223\  
 Data File : VU057232.D  
 Acq On : 23 Dec 2023 09:31  
 Operator : MD/SY  
 Sample : VSTDCCC005EC  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 52 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005107

Quant Time: Dec 25 00:17:38 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR122123WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Sat Dec 23 00:27:07 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.245  | 114   | 193091   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.412  | 117   | 190564   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.808 | 152   | 91254    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.596  | 65    | 82769    | 4.485    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 89.600%  |
| 7) Chloroethane-d5            | 1.911  | 69    | 72402    | 4.766    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 95.400%  |
| 11) 1,1-Dichloroethene-d2     | 2.560  | 65    | 34995    | 4.376    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 87.600%  |
| 20) 2-Butanone-d5             | 4.625  | 46    | 161710   | 55.807   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 111.620% |
| 24) Chloroform-d              | 5.055  | 84    | 167911   | 4.711    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 94.200%  |
| 26) 1,2-Dichloroethane-d4     | 5.695  | 65    | 79853    | 4.701    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 94.000%  |
| 32) Benzene-d6                | 5.721  | 84    | 307237   | 4.701    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 94.000%  |
| 36) 1,2-Dichloropropane-d6    | 6.686  | 67    | 92353    | 4.965    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 99.400%  |
| 41) Toluene-d8                | 7.895  | 98    | 274807   | 4.605    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 92.200%  |
| 43) trans-1,3-Dichloroprop... | 8.174  | 79    | 34040    | 4.396    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 88.000%  |
| 46) 2-Hexanone-d5             | 8.628  | 63    | 125007   | 47.420   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 94.840%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.750 | 84    | 68949    | 5.209    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 104.200% |
| 66) 1,2-Dichlorobenzene-d4    | 12.187 | 152   | 86045    | 4.382    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 87.600%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.380  | 85    | 90498    | 5.012    | ug/L   | 99       |
| 3) Chloromethane              | 1.515  | 50    | 96523    | 6.100    | ug/L   | 98       |
| 5) Vinyl chloride             | 1.599  | 62    | 101857   | 6.034    | ug/L   | 100      |
| 6) Bromomethane               | 1.853  | 94    | 45397    | 6.150    | ug/L   | 97       |
| 8) Chloroethane               | 1.930  | 64    | 62467    | 5.829    | ug/L   | 100      |
| 9) Trichlorofluoromethane     | 2.133  | 101   | 157625   | 5.082    | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.576  | 101   | 84226    | 5.245    | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 2.573  | 96    | 75356    | 5.220    | ug/L   | 94       |
| 13) Acetone                   | 2.638  | 43    | 95085    | 54.577   | ug/L   | 99       |
| 14) Carbon disulfide          | 2.789  | 76    | 223353   | 4.917    | ug/L   | 99       |
| 15) Methyl Acetate            | 2.946  | 43    | 25423    | 6.188    | ug/L   | 97       |
| 16) Methylene chloride        | 3.039  | 84    | 89465    | 5.331    | ug/L   | 98       |
| 17) Methyl tert-butyl Ether   | 3.351  | 73    | 164354   | 5.361    | ug/L   | 97       |
| 18) trans-1,2-Dichloroethene  | 3.348  | 96    | 77140    | 5.480    | ug/L   | 97       |
| 19) 1,1-Dichloroethane        | 3.863  | 63    | 156113   | 5.588    | ug/L   | 100      |
| 21) 2-Butanone                | 4.702  | 43    | 153845   | 57.942   | ug/L   | 96       |
| 22) cis-1,2-Dichloroethene    | 4.660  | 96    | 84453    | 5.448    | ug/L   | 98       |
| 23) Bromochloromethane        | 4.965  | 128   | 36503    | 5.434    | ug/L   | 95       |
| 25) Chloroform                | 5.078  | 83    | 169698   | 5.385    | ug/L   | 97       |

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 Sample : VSTDCCC005EC  
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 ALS Vial : 52 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005107

Quant Time: Dec 25 00:17:38 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR122123WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Sat Dec 23 00:27:07 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.789  | 62   | 97207    | 5.228  | ug/L  | 96       |
| 29) 1,1,1-Trichloroethane     | 5.309  | 97   | 151259   | 4.995  | ug/L  | 98       |
| 30) Cyclohexane               | 5.383  | 56   | 109773   | 5.361  | ug/L  | 95       |
| 31) Carbon tetrachloride      | 5.518  | 117  | 131321   | 4.929  | ug/L  | 100      |
| 33) Benzene                   | 5.766  | 78   | 340107   | 5.630  | ug/L  | 100      |
| 34) Trichloroethene           | 6.538  | 95   | 89710    | 5.078  | ug/L  | 97       |
| 35) Methylcyclohexane         | 6.760  | 83   | 112030   | 4.817  | ug/L  | 97       |
| 37) 1,2-Dichloropropane       | 6.782  | 63   | 87924    | 5.851  | ug/L  | 100      |
| 38) Bromodichloromethane      | 7.100  | 83   | 115303   | 5.303  | ug/L  | 100      |
| 39) cis-1,3-Dichloropropene   | 7.602  | 75   | 118598   | 5.247  | ug/L  | 100      |
| 40) 4-Methyl-2-pentanone      | 7.785  | 43   | 380214   | 58.203 | ug/L  | 99       |
| 42) Toluene                   | 7.965  | 91   | 354874   | 5.543  | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene | 8.206  | 75   | 98790    | 5.121  | ug/L  | 99       |
| 45) 1,1,2-Trichloroethane     | 8.393  | 97   | 61554    | 5.937  | ug/L  | 95       |
| 47) Tetrachloroethene         | 8.547  | 164  | 151346   | 11.955 | ug/L  | 98       |
| 48) 2-Hexanone                | 8.679  | 43   | 277118   | 57.657 | ug/L  | 98       |
| 49) Dibromochloromethane      | 8.804  | 129  | 69926    | 5.203  | ug/L  | 97       |
| 50) 1,2-Dibromoethane         | 8.917  | 107  | 54728    | 5.623  | ug/L  | 97       |
| 51) Chlorobenzene             | 9.441  | 112  | 217901   | 5.229  | ug/L  | 97       |
| 52) Ethylbenzene              | 9.567  | 91   | 373453   | 5.177  | ug/L  | 99       |
| 53) m,p-Xylene                | 9.689  | 106  | 138840   | 5.261  | ug/L  | 98       |
| 54) o-Xylene                  | 10.097 | 106  | 132002   | 5.184  | ug/L  | 97       |
| 55) Styrene                   | 10.110 | 104  | 228807   | 5.448  | ug/L  | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 10.775 | 83   | 70035    | 5.602  | ug/L  | 99       |
| 59) Bromoform                 | 10.287 | 173  | 40156    | 5.734  | ug/L  | 95       |
| 60) Isopropylbenzene          | 10.480 | 105  | 357170   | 5.309  | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 10.817 | 75   | 49557    | 5.828  | ug/L  | 97       |
| 62) 1,3,5-Trimethylbenzene    | 11.084 | 105  | 261414   | 4.742  | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 11.464 | 105  | 249316   | 4.583  | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.740 | 146  | 161845   | 5.090  | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 11.830 | 146  | 152808   | 4.773  | ug/L  | 94       |
| 67) 1,2-Dichlorobenzene       | 12.206 | 146  | 144148   | 5.068  | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.994 | 75   | 9670     | 5.014  | ug/L  | 97       |
| 69) 1,3,5-Trichlorobenzene    | 13.216 | 180  | 83069    | 3.511  | ug/L  | 98       |
| 70) 1,2,4-trichlorobenzene    | 13.836 | 180  | 57082    | 3.081  | ug/L  | 98       |
| 71) Naphthalene               | 14.084 | 128  | 73754    | 3.147  | ug/L  | 98       |
| 72) 1,2,3-Trichlorobenzene    | 14.325 | 180  | 45970    | 3.181  | ug/L  | 99       |

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

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