

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU122322\  
 Data File : VU052525.D  
 Acq On : 23 Dec 2022 09:58  
 Operator : JC/MD  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005116

Quant Time: Dec 24 03:49:00 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR122022WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Dec 23 06:08:56 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.247  | 114   | 229591   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.414  | 117   | 213015   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.809 | 152   | 110751   | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.597  | 65    | 89195    | 3.835    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 76.600%  |
| 7) Chloroethane-d5            | 1.916  | 69    | 81667    | 4.071    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 81.400%  |
| 11) 1,1-Dichloroethene-d2     | 2.568  | 65    | 38689    | 3.865    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 77.400%  |
| 20) 2-Butanone-d5             | 4.649  | 46    | 383426   | 53.158   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 106.320% |
| 24) Chloroform-d              | 5.060  | 84    | 173135   | 4.412    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 88.200%  |
| 26) 1,2-Dichloroethane-d4     | 5.700  | 65    | 101625   | 4.464    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 89.200%  |
| 32) Benzene-d6                | 5.726  | 84    | 354393   | 4.853    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 97.000%  |
| 36) 1,2-Dichloropropane-d6    | 6.687  | 67    | 120095   | 4.777    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 95.600%  |
| 41) Toluene-d8                | 7.896  | 98    | 311408   | 5.079    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 101.600% |
| 43) trans-1,3-Dichloroprop... | 8.179  | 79    | 45716    | 5.311    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 106.200% |
| 46) 2-Hexanone-d5             | 8.633  | 63    | 283933   | 60.285   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 120.580% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.751 | 84    | 110082   | 5.157    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 103.200% |
| 66) 1,2-Dichlorobenzene-d4    | 12.189 | 152   | 110262   | 4.890    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 97.800%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.385  | 85    | 93701    | 4.587    | ug/L   | 100      |
| 3) Chloromethane              | 1.520  | 50    | 130571   | 4.428    | ug/L   | 98       |
| 5) Vinyl chloride             | 1.604  | 62    | 122799   | 4.594    | ug/L   | 94       |
| 6) Bromomethane               | 1.858  | 94    | 62449    | 4.098    | ug/L   | 96       |
| 8) Chloroethane               | 1.935  | 64    | 75076    | 4.101    | ug/L   | 97       |
| 9) Trichlorofluoromethane     | 2.141  | 101   | 139112   | 4.603    | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.581  | 101   | 84773    | 4.719    | ug/L   | 98       |
| 12) 1,1-Dichloroethene        | 2.581  | 96    | 79507    | 4.624    | ug/L   | 92       |
| 13) Acetone                   | 2.675  | 43    | 253955   | 47.760   | ug/L   | 99       |
| 14) Carbon disulfide          | 2.793  | 76    | 248960   | 4.494    | ug/L   | 98       |
| 15) Methyl Acetate            | 2.964  | 43    | 56715    | 4.842    | ug/L   | 97       |
| 16) Methylene chloride        | 3.044  | 84    | 102949   | 4.238    | ug/L   | 100      |
| 17) Methyl tert-butyl Ether   | 3.363  | 73    | 235050   | 5.121    | ug/L   | 98       |
| 18) trans-1,2-Dichloroethene  | 3.353  | 96    | 84656    | 4.777    | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 3.867  | 63    | 176959   | 4.592    | ug/L   | 99       |
| 21) 2-Butanone                | 4.729  | 43    | 413325   | 52.779   | ug/L   | 97       |
| 22) cis-1,2-Dichloroethene    | 4.665  | 96    | 93192    | 4.792    | ug/L   | 98       |
| 23) Bromochloromethane        | 4.973  | 128   | 42356    | 4.700    | ug/L   | 99       |
| 25) Chloroform                | 5.086  | 83    | 167167   | 4.477    | ug/L   | 99       |

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

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005116

Quant Time: Dec 24 03:49:00 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR122022WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Dec 23 06:08:56 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.793  | 62   | 118517   | 4.594  | ug/L  | 99       |
| 29) 1,1,1-Trichloroethane     | 5.314  | 97   | 132435   | 4.940  | ug/L  | 98       |
| 30) Cyclohexane               | 5.385  | 56   | 160319   | 5.534  | ug/L  | 100      |
| 31) Carbon tetrachloride      | 5.523  | 117  | 111063   | 4.714  | ug/L  | 100      |
| 33) Benzene                   | 5.771  | 78   | 383660   | 5.000  | ug/L  | 100      |
| 34) Trichloroethene           | 6.539  | 95   | 90190    | 5.028  | ug/L  | 96       |
| 35) Methylcyclohexane         | 6.761  | 83   | 153499   | 5.675  | ug/L  | 95       |
| 37) 1,2-Dichloropropane       | 6.787  | 63   | 107837   | 5.037  | ug/L  | 100      |
| 38) Bromodichloromethane      | 7.102  | 83   | 122368   | 4.696  | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 7.607  | 75   | 143346   | 5.286  | ug/L  | 98       |
| 40) 4-Methyl-2-pentanone      | 7.790  | 43   | 888108   | 56.764 | ug/L  | 98       |
| 42) Toluene                   | 7.967  | 91   | 385054   | 5.234  | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene | 8.208  | 75   | 125216   | 5.240  | ug/L  | 97       |
| 45) 1,1,2-Trichloroethane     | 8.398  | 97   | 76476    | 5.043  | ug/L  | 98       |
| 47) Tetrachloroethene         | 8.552  | 164  | 63985    | 5.110  | ug/L  | 99       |
| 48) 2-Hexanone                | 8.684  | 43   | 671783   | 56.963 | ug/L  | 98       |
| 49) Dibromochloromethane      | 8.806  | 129  | 81683    | 5.087  | ug/L  | 100      |
| 50) 1,2-Dibromoethane         | 8.922  | 107  | 71167    | 5.163  | ug/L  | 96       |
| 51) Chlorobenzene             | 9.443  | 112  | 238580   | 5.079  | ug/L  | 97       |
| 52) Ethylbenzene              | 9.568  | 91   | 401143   | 5.269  | ug/L  | 100      |
| 53) m,p-Xylene                | 9.690  | 106  | 154740   | 5.512  | ug/L  | 95       |
| 54) o-Xylene                  | 10.099 | 106  | 150509   | 5.593  | ug/L  | 100      |
| 55) Styrene                   | 10.112 | 104  | 257614   | 5.503  | ug/L  | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 10.777 | 83   | 106748   | 5.092  | ug/L  | 99       |
| 59) Bromoform                 | 10.288 | 173  | 47129    | 4.843  | ug/L  | 100      |
| 60) Isopropylbenzene          | 10.481 | 105  | 391158   | 5.449  | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 10.819 | 75   | 76530    | 4.818  | ug/L  | 98       |
| 62) 1,3,5-Trimethylbenzene    | 11.086 | 105  | 322550   | 5.448  | ug/L  | 98       |
| 63) 1,2,4-Trimethylbenzene    | 11.465 | 105  | 330314   | 5.542  | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.742 | 146  | 180440   | 5.066  | ug/L  | 100      |
| 65) 1,4-Dichlorobenzene       | 11.832 | 146  | 183123   | 4.972  | ug/L  | 97       |
| 67) 1,2-Dichlorobenzene       | 12.208 | 146  | 174129   | 4.948  | ug/L  | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 12.996 | 75   | 16993    | 4.726  | ug/L  | 91       |
| 69) 1,3,5-Trichlorobenzene    | 13.218 | 180  | 131827   | 5.027  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.838 | 180  | 113510   | 5.144  | ug/L  | 98       |
| 71) Naphthalene               | 14.082 | 128  | 241215   | 5.402  | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 14.327 | 180  | 112951   | 5.107  | ug/L  | 98       |

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

