

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU011623\  
 Data File : VU052695.D  
 Acq On : 16 Jan 2023 11:09  
 Operator : JC/MD  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005126

Quant Time: Jan 17 05:32:58 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR011023WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Jan 11 00:53:59 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.247  | 114   | 148331   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.414  | 117   | 143385   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.809 | 152   | 79450    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.601  | 65    | 41914    | 3.216    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 64.400%  |
| 7) Chloroethane-d5            | 1.916  | 69    | 40512    | 3.816    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 76.400%  |
| 11) 1,1-Dichloroethene-d2     | 2.568  | 65    | 22458    | 3.913    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 78.200%  |
| 20) 2-Butanone-d5             | 4.636  | 46    | 159470   | 45.768   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 91.540%  |
| 24) Chloroform-d              | 5.060  | 84    | 114867   | 4.725    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 94.600%  |
| 26) 1,2-Dichloroethane-d4     | 5.697  | 65    | 58519    | 4.688    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 93.800%  |
| 32) Benzene-d6                | 5.723  | 84    | 220788   | 4.751    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 95.000%  |
| 36) 1,2-Dichloropropane-d6    | 6.687  | 67    | 71408    | 4.611    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 92.200%  |
| 41) Toluene-d8                | 7.896  | 98    | 200005   | 4.881    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 97.600%  |
| 43) trans-1,3-Dichloroprop... | 8.176  | 79    | 27504    | 4.775    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 95.600%  |
| 46) 2-Hexanone-d5             | 8.629  | 63    | 120729   | 50.463   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 100.920% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.751 | 84    | 57518    | 4.851    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 97.000%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.189 | 152   | 70103    | 4.847    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 97.000%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.385  | 85    | 75781    | 4.755    | ug/L   | 99       |
| 3) Chloromethane              | 1.520  | 50    | 68128    | 3.520    | ug/L   | 100      |
| 5) Vinyl chloride             | 1.604  | 62    | 74165    | 4.006    | ug/L   | 99       |
| 6) Bromomethane               | 1.858  | 94    | 29620    | 3.082    | ug/L   | 99       |
| 8) Chloroethane               | 1.935  | 64    | 47572    | 4.226    | ug/L   | 96       |
| 9) Trichlorofluoromethane     | 2.141  | 101   | 105403   | 4.829    | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.581  | 101   | 61541    | 4.793    | ug/L   | 95       |
| 12) 1,1-Dichloroethene        | 2.581  | 96    | 58983    | 4.586    | ug/L   | 88       |
| 13) Acetone                   | 2.655  | 43    | 116018   | 46.427   | ug/L   | 99       |
| 14) Carbon disulfide          | 2.793  | 76    | 207230   | 4.663    | ug/L   | 98       |
| 15) Methyl Acetate            | 2.957  | 43    | 28027    | 4.678    | ug/L   | 99       |
| 16) Methylene chloride        | 3.044  | 84    | 75345    | 4.403    | ug/L   | 93       |
| 17) Methyl tert-butyl Ether   | 3.359  | 73    | 141586   | 4.975    | ug/L   | 98       |
| 18) trans-1,2-Dichloroethene  | 3.353  | 96    | 65803    | 5.017    | ug/L   | 92       |
| 19) 1,1-Dichloroethane        | 3.864  | 63    | 125926   | 4.624    | ug/L   | 99       |
| 21) 2-Butanone                | 4.716  | 43    | 184933   | 45.972   | ug/L   | 95       |
| 22) cis-1,2-Dichloroethene    | 4.665  | 96    | 70184    | 4.983    | ug/L   | 96       |
| 23) Bromochloromethane        | 4.970  | 128   | 30571    | 5.127    | ug/L   | 89       |
| 25) Chloroform                | 5.083  | 83    | 126396   | 4.721    | ug/L   | 98       |

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

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005126

Quant Time: Jan 17 05:32:58 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR011023WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Jan 11 00:53:59 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 5.790  | 62   | 78750    | 4.854  | ug/L   | 99       |
| 29) 1,1,1-Trichloroethane     | 5.314  | 97   | 106428   | 4.731  | ug/L   | 98       |
| 30) Cyclohexane               | 5.388  | 56   | 108929   | 4.812  | ug/L   | 97       |
| 31) Carbon tetrachloride      | 5.520  | 117  | 90900    | 5.157  | ug/L   | 99       |
| 33) Benzene                   | 5.771  | 78   | 286123   | 5.042  | ug/L   | 100      |
| 34) Trichloroethene           | 6.539  | 95   | 70511    | 5.252  | ug/L   | 98       |
| 35) Methylcyclohexane         | 6.761  | 83   | 112398   | 5.071  | ug/L   | 97       |
| 37) 1,2-Dichloropropane       | 6.787  | 63   | 73290    | 4.812  | ug/L   | 99       |
| 38) Bromodichloromethane      | 7.102  | 83   | 88768    | 4.950  | ug/L   | 95       |
| 39) cis-1,3-Dichloropropene   | 7.604  | 75   | 97224    | 5.029  | ug/L   | 97       |
| 40) 4-Methyl-2-pentanone      | 7.787  | 43   | 416038   | 47.762 | ug/L   | 97       |
| 42) Toluene                   | 7.967  | 91   | 294276   | 5.205  | ug/L   | 97       |
| 44) trans-1,3-Dichloropropene | 8.205  | 75   | 81355    | 4.875  | ug/L   | 100      |
| 45) 1,1,2-Trichloroethane     | 8.398  | 97   | 47029    | 4.909  | ug/L   | 98       |
| 47) Tetrachloroethene         | 8.549  | 164  | 53292    | 5.388  | ug/L   | 94       |
| 48) 2-Hexanone                | 8.681  | 43   | 317959   | 49.853 | ug/L   | 97       |
| 49) Dibromochloromethane      | 8.806  | 129  | 57653    | 5.205  | ug/L   | 98       |
| 50) 1,2-Dibromoethane         | 8.919  | 107  | 45195    | 5.132  | ug/L   | 97       |
| 51) Chlorobenzene             | 9.443  | 112  | 180218   | 5.117  | ug/L   | 99       |
| 52) Ethylbenzene              | 9.568  | 91   | 302265   | 5.249  | ug/L   | 100      |
| 53) m,p-Xylene                | 9.690  | 106  | 121775   | 5.582  | ug/L   | 96       |
| 54) o-Xylene                  | 10.095 | 106  | 113372   | 5.435  | ug/L   | 97       |
| 55) Styrene                   | 10.112 | 104  | 195758   | 5.502  | ug/L   | 97       |
| 57) 1,1,2,2-Tetrachloroethane | 10.780 | 83   | 59498    | 4.754  | ug/L   | 99       |
| 59) Bromoform                 | 10.288 | 173  | 30995    | 5.017  | ug/L   | 98       |
| 60) Isopropylbenzene          | 10.481 | 105  | 302588   | 5.373  | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 10.819 | 75   | 42281    | 4.579  | ug/L   | 92       |
| 62) 1,3,5-Trimethylbenzene    | 11.086 | 105  | 239923   | 5.342  | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 11.465 | 105  | 244370   | 5.401  | ug/L   | 98       |
| 64) 1,3-Dichlorobenzene       | 11.742 | 146  | 138319   | 5.163  | ug/L   | 98       |
| 65) 1,4-Dichlorobenzene       | 11.832 | 146  | 139725   | 5.113  | ug/L   | 99       |
| 67) 1,2-Dichlorobenzene       | 12.208 | 146  | 127054   | 5.040  | ug/L   | 100      |
| 68) 1,2-Dibromo-3-chloropr... | 12.989 | 75   | 9749     | 4.578  | ug/L # | 86       |
| 69) 1,3,5-Trichlorobenzene    | 13.214 | 180  | 102839   | 5.168  | ug/L   | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.835 | 180  | 82644    | 5.178  | ug/L   | 98       |
| 71) Naphthalene               | 14.082 | 128  | 131602   | 4.750  | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 14.327 | 180  | 73997    | 5.061  | ug/L   | 98       |

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

