

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU072822\  
 Data File : VU049980.D  
 Acq On : 28 Jul 2022 11:41  
 Operator : SY/MD  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005137

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 07/29/2022  
 Supervised By : Semsettin Yesilyurt 08/01/2022

Quant Time: Jul 29 02:20:24 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR072722WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Jul 28 03:41:29 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.250  | 114   | 101109   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.417  | 117   | 102777   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.812 | 152   | 52959    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.597  | 65    | 42937    | 4.946    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 99.000%  |
| 7) Chloroethane-d5            | 1.912  | 69    | 34099    | 5.469    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 109.400% |
| 11) 1,1-Dichloroethene-d2     | 2.562  | 65    | 16375    | 5.473    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 109.400% |
| 20) 2-Butanone-d5             | 4.665  | 46    | 99709    | 51.596   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 103.200% |
| 24) Chloroform-d              | 5.060  | 84    | 74230    | 5.167    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 103.400% |
| 26) 1,2-Dichloroethane-d4     | 5.706  | 65    | 37770    | 5.218    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 104.400% |
| 32) Benzene-d6                | 5.722  | 84    | 147265   | 4.849    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 97.000%  |
| 36) 1,2-Dichloropropane-d6    | 6.693  | 67    | 48920    | 4.917    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 98.400%  |
| 41) Toluene-d8                | 7.896  | 98    | 138192   | 5.119    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 102.400% |
| 43) trans-1,3-Dichloroprop... | 8.182  | 79    | 18414    | 5.281    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 105.600% |
| 46) 2-Hexanone-d5             | 8.645  | 63    | 70652    | 54.124   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 108.240% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.758 | 84    | 44204    | 5.288    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 105.800% |
| 66) 1,2-Dichlorobenzene-d4    | 12.195 | 152   | 47424    | 4.828    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 96.600%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.385  | 85    | 40555    | 5.197    | ug/L   | 98       |
| 3) Chloromethane              | 1.520  | 50    | 46303    | 5.008    | ug/L   | 97       |
| 5) Vinyl chloride             | 1.600  | 62    | 44413    | 5.110    | ug/L   | 98       |
| 6) Bromomethane               | 1.858  | 94    | 26893    | 5.591    | ug/L   | 100      |
| 8) Chloroethane               | 1.935  | 64    | 26553    | 5.389    | ug/L   | 94       |
| 9) Trichlorofluoromethane     | 2.137  | 101   | 54318    | 5.307    | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.575  | 101   | 31738    | 5.267    | ug/L   | 98       |
| 12) 1,1-Dichloroethene        | 2.575  | 96    | 29248    | 5.241    | ug/L   | 88       |
| 13) Acetone                   | 2.652  | 43    | 71749m   | 52.822   | ug/L   |          |
| 14) Carbon disulfide          | 2.787  | 76    | 80822    | 4.768    | ug/L   | 100      |
| 15) Methyl Acetate            | 2.960  | 43    | 14291    | 5.071    | ug/L   | 99       |
| 16) Methylene chloride        | 3.041  | 84    | 49083    | 5.721    | ug/L   | 96       |
| 17) Methyl tert-butyl Ether   | 3.375  | 73    | 91261    | 5.850    | ug/L   | 99       |
| 18) trans-1,2-Dichloroethene  | 3.346  | 96    | 31955    | 5.210    | ug/L   | 96       |
| 19) 1,1-Dichloroethane        | 3.864  | 63    | 67282    | 5.347    | ug/L   | 98       |
| 21) 2-Butanone                | 4.745  | 43    | 95375    | 48.751   | ug/L   | 98       |
| 22) cis-1,2-Dichloroethene    | 4.661  | 96    | 38002    | 5.184    | ug/L   | 94       |
| 23) Bromochloromethane        | 4.970  | 128   | 16530    | 4.924    | ug/L   | 93       |
| 25) Chloroform                | 5.086  | 83    | 68106    | 4.830    | ug/L   | 97       |

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 ALS Vial : 2 Sample Multiplier: 1

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Quant Time: Jul 29 02:20:24 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR072722WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Jul 28 03:41:29 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.800  | 62   | 40713    | 5.174  | ug/L  | 98       |
| 29) 1,1,1-Trichloroethane     | 5.308  | 97   | 53456    | 4.898  | ug/L  | 99       |
| 30) Cyclohexane               | 5.375  | 56   | 45371    | 4.925  | ug/L  | 98       |
| 31) Carbon tetrachloride      | 5.513  | 117  | 43563    | 4.914  | ug/L  | 99       |
| 33) Benzene                   | 5.767  | 78   | 148422   | 4.948  | ug/L  | 100      |
| 34) Trichloroethene           | 6.539  | 95   | 36158    | 4.959  | ug/L  | 99       |
| 35) Methylcyclohexane         | 6.755  | 83   | 46759    | 4.862  | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 6.793  | 63   | 41402    | 5.008  | ug/L  | 100      |
| 38) Bromodichloromethane      | 7.108  | 83   | 49822    | 4.981  | ug/L  | 98       |
| 39) cis-1,3-Dichloropropene   | 7.610  | 75   | 52374    | 4.896  | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 7.806  | 43   | 254381   | 53.256 | ug/L  | 99       |
| 42) Toluene                   | 7.967  | 91   | 156818   | 5.141  | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 8.214  | 75   | 45419    | 5.056  | ug/L  | 96       |
| 45) 1,1,2-Trichloroethane     | 8.404  | 97   | 30821    | 4.990  | ug/L  | 98       |
| 47) Tetrachloroethene         | 8.552  | 164  | 26336    | 5.019  | ug/L  | 95       |
| 48) 2-Hexanone                | 8.697  | 43   | 205107   | 56.330 | ug/L  | 99       |
| 49) Dibromochloromethane      | 8.812  | 129  | 33892    | 5.014  | ug/L  | 99       |
| 50) 1,2-Dibromoethane         | 8.925  | 107  | 28326    | 5.164  | ug/L  | 95       |
| 51) Chlorobenzene             | 9.446  | 112  | 100501   | 5.191  | ug/L  | 97       |
| 52) Ethylbenzene              | 9.571  | 91   | 155819   | 5.215  | ug/L  | 99       |
| 53) m,p-Xylene                | 9.693  | 106  | 60713    | 5.336  | ug/L  | 95       |
| 54) o-Xylene                  | 10.102 | 106  | 58115    | 5.268  | ug/L  | 98       |
| 55) Styrene                   | 10.115 | 104  | 105921   | 5.637  | ug/L  | 97       |
| 57) 1,1,2,2-Tetrachloroethane | 10.783 | 83   | 41820    | 5.201  | ug/L  | 97       |
| 59) Bromoform                 | 10.291 | 173  | 19866    | 4.667  | ug/L  | 98       |
| 60) Isopropylbenzene          | 10.484 | 105  | 154414   | 4.936  | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 10.825 | 75   | 28459    | 4.627  | ug/L  | 97       |
| 62) 1,3,5-Trimethylbenzene    | 11.089 | 105  | 124498   | 4.898  | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 11.468 | 105  | 126862   | 5.150  | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.745 | 146  | 77709    | 5.187  | ug/L  | 98       |
| 65) 1,4-Dichlorobenzene       | 11.838 | 146  | 75294    | 5.080  | ug/L  | 96       |
| 67) 1,2-Dichlorobenzene       | 12.211 | 146  | 74916    | 5.034  | ug/L  | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 12.999 | 75   | 6039     | 4.971  | ug/L  | 85       |
| 69) 1,3,5-Trichlorobenzene    | 13.220 | 180  | 57865    | 5.358  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.841 | 180  | 47222    | 5.481  | ug/L  | 99       |
| 71) Naphthalene               | 14.089 | 128  | 88083    | 5.156  | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 14.330 | 180  | 46707    | 5.462  | ug/L  | 98       |

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

