

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU091823\  
 Data File : VU055385.D  
 Acq On : 18 Sep 2023 20:45  
 Operator : MD/SY  
 Sample : VSTDCCC005EC  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005131

Quant Time: Sep 19 01:18:45 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR091523WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Sep 19 01:12:51 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.245  | 114   | 258727   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.412  | 117   | 265526   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.807 | 152   | 152064   | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.596  | 65    | 47033    | 3.163    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 63.200%  |
| 7) Chloroethane-d5            | 1.911  | 69    | 52321    | 3.117    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 62.400%# |
| 11) 1,1-Dichloroethene-d2     | 2.563  | 65    | 16959    | 3.153    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 63.000%  |
| 20) 2-Butanone-d5             | 4.628  | 46    | 232306   | 56.492   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 112.980% |
| 24) Chloroform-d              | 5.058  | 84    | 143044   | 4.307    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 86.200%  |
| 26) 1,2-Dichloroethane-d4     | 5.698  | 65    | 70669    | 4.217    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 84.400%  |
| 32) Benzene-d6                | 5.721  | 84    | 201452   | 3.619    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 72.400%  |
| 36) 1,2-Dichloropropane-d6    | 6.685  | 67    | 79850    | 4.210    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 84.200%  |
| 41) Toluene-d8                | 7.894  | 98    | 154472   | 3.219    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 64.400%# |
| 43) trans-1,3-Dichloroprop... | 8.177  | 79    | 29013    | 4.311    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 86.200%  |
| 46) 2-Hexanone-d5             | 8.627  | 63    | 143505   | 58.612   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 117.220% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.753 | 84    | 86676    | 5.255    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 105.200% |
| 66) 1,2-Dichlorobenzene-d4    | 12.190 | 152   | 83527    | 4.265    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 85.400%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.383  | 85    | 116759   | 4.729    | ug/L   | 98       |
| 3) Chloromethane              | 1.515  | 50    | 118094   | 4.971    | ug/L   | 97       |
| 5) Vinyl chloride             | 1.602  | 62    | 127664   | 4.976    | ug/L   | 97       |
| 6) Bromomethane               | 1.856  | 94    | 85235    | 4.356    | ug/L   | 98       |
| 8) Chloroethane               | 1.930  | 64    | 87468    | 4.238    | ug/L   | 100      |
| 9) Trichlorofluoromethane     | 2.132  | 101   | 182309   | 4.441    | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.576  | 101   | 110126   | 5.379    | ug/L   | 93       |
| 12) 1,1-Dichloroethene        | 2.576  | 96    | 100537   | 5.527    | ug/L # | 80       |
| 13) Acetone                   | 2.637  | 43    | 135344   | 51.037   | ug/L   | 95       |
| 14) Carbon disulfide          | 2.788  | 76    | 299068   | 5.200    | ug/L   | 100      |
| 15) Methyl Acetate            | 2.949  | 43    | 34492    | 5.510    | ug/L   | 98       |
| 16) Methylene chloride        | 3.039  | 84    | 124543   | 4.595    | ug/L   | 97       |
| 17) Methyl tert-butyl Ether   | 3.358  | 73    | 232215   | 5.325    | ug/L   | 98       |
| 18) trans-1,2-Dichloroethene  | 3.348  | 96    | 105600   | 5.280    | ug/L   | 98       |
| 19) 1,1-Dichloroethane        | 3.862  | 63    | 198058   | 5.090    | ug/L   | 99       |
| 21) 2-Butanone                | 4.705  | 43    | 224020   | 51.026   | ug/L   | 95       |
| 22) cis-1,2-Dichloroethene    | 4.660  | 96    | 121943   | 5.206    | ug/L   | 99       |
| 23) Bromochloromethane        | 4.968  | 128   | 53022    | 5.569    | ug/L   | 95       |
| 25) Chloroform                | 5.081  | 83    | 214860   | 5.100    | ug/L   | 98       |

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 VSTD005131

Quant Time: Sep 19 01:18:45 2023  
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 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Sep 19 01:12:51 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 5.788  | 62   | 128316   | 4.913  | ug/L   | 98       |
| 29) 1,1,1-Trichloroethane     | 5.309  | 97   | 179542   | 5.321  | ug/L   | 99       |
| 30) Cyclohexane               | 5.386  | 56   | 161788   | 5.079  | ug/L   | 97       |
| 31) Carbon tetrachloride      | 5.521  | 117  | 157791   | 5.498  | ug/L   | 96       |
| 33) Benzene                   | 5.769  | 78   | 457954   | 5.211  | ug/L   | 100      |
| 34) Trichloroethene           | 6.537  | 95   | 129658   | 5.183  | ug/L   | 95       |
| 35) Methylcyclohexane         | 6.759  | 83   | 182975   | 5.032  | ug/L   | 98       |
| 37) 1,2-Dichloropropane       | 6.785  | 63   | 120446   | 5.219  | ug/L   | 98       |
| 38) Bromodichloromethane      | 7.100  | 83   | 144059   | 5.231  | ug/L   | 99       |
| 39) cis-1,3-Dichloropropene   | 7.605  | 75   | 161730   | 5.156  | ug/L   | 99       |
| 40) 4-Methyl-2-pentanone      | 7.785  | 43   | 574729   | 52.478 | ug/L   | 97       |
| 42) Toluene                   | 7.965  | 91   | 501485   | 5.207  | ug/L   | 98       |
| 44) trans-1,3-Dichloropropene | 8.206  | 75   | 128031   | 5.206  | ug/L   | 99       |
| 45) 1,1,2-Trichloroethane     | 8.396  | 97   | 85404    | 5.338  | ug/L   | 99       |
| 47) Tetrachloroethene         | 8.550  | 164  | 94347    | 5.503  | ug/L   | 93       |
| 48) 2-Hexanone                | 8.679  | 43   | 429874   | 52.081 | ug/L   | 99       |
| 49) Dibromochloromethane      | 8.804  | 129  | 89371    | 5.460  | ug/L   | 96       |
| 50) 1,2-Dibromoethane         | 8.920  | 107  | 79953    | 5.359  | ug/L # | 97       |
| 51) Chlorobenzene             | 9.441  | 112  | 314642   | 5.065  | ug/L   | 98       |
| 52) Ethylbenzene              | 9.566  | 91   | 533803   | 5.048  | ug/L   | 99       |
| 53) m,p-Xylene                | 9.688  | 106  | 206389   | 5.160  | ug/L   | 99       |
| 54) o-Xylene                  | 10.097 | 106  | 200061   | 5.272  | ug/L   | 95       |
| 55) Styrene                   | 10.110 | 104  | 334505   | 5.278  | ug/L   | 97       |
| 57) 1,1,2,2-Tetrachloroethane | 10.778 | 83   | 98187    | 5.581  | ug/L   | 98       |
| 59) Bromoform                 | 10.287 | 173  | 49012    | 5.537  | ug/L   | 99       |
| 60) Isopropylbenzene          | 10.479 | 105  | 532917   | 4.800  | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 10.817 | 75   | 73162    | 4.968  | ug/L   | 96       |
| 62) 1,3,5-Trimethylbenzene    | 11.084 | 105  | 407987   | 4.780  | ug/L   | 100      |
| 63) 1,2,4-Trimethylbenzene    | 11.463 | 105  | 415156   | 4.791  | ug/L   | 98       |
| 64) 1,3-Dichlorobenzene       | 11.743 | 146  | 250548   | 4.898  | ug/L   | 98       |
| 65) 1,4-Dichlorobenzene       | 11.833 | 146  | 245520   | 4.911  | ug/L   | 95       |
| 67) 1,2-Dichlorobenzene       | 12.209 | 146  | 231019   | 5.038  | ug/L   | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 12.994 | 75   | 12008    | 4.769  | ug/L # | 74       |
| 69) 1,3,5-Trichlorobenzene    | 13.216 | 180  | 175641   | 5.041  | ug/L   | 98       |
| 70) 1,2,4-trichlorobenzene    | 13.836 | 180  | 129416   | 4.839  | ug/L   | 99       |
| 71) Naphthalene               | 14.084 | 128  | 169983   | 4.420  | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 14.325 | 180  | 113377   | 4.897  | ug/L   | 97       |

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

