

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU120622\  
 Data File : VU052190.D  
 Acq On : 06 Dec 2022 15:08  
 Operator : JC/MD  
 Sample : VSTDCCC005EC  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005093

Quant Time: Dec 06 21:25:52 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR111822WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Dec 06 21:24:57 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.247  | 114   | 208881   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.417  | 117   | 212862   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.812 | 152   | 110248   | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.597  | 65    | 94859    | 4.669    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 93.400%  |
| 7) Chloroethane-d5            | 1.916  | 69    | 78970    | 5.004    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 100.000% |
| 11) 1,1-Dichloroethene-d2     | 2.565  | 65    | 35675    | 4.898    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 98.000%  |
| 20) 2-Butanone-d5             | 4.645  | 46    | 181151   | 49.187   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 98.380%  |
| 24) Chloroform-d              | 5.063  | 84    | 162607   | 5.447    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 109.000% |
| 26) 1,2-Dichloroethane-d4     | 5.703  | 65    | 76908    | 5.100    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 102.000% |
| 32) Benzene-d6                | 5.726  | 84    | 326027   | 5.159    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 103.200% |
| 36) 1,2-Dichloropropane-d6    | 6.690  | 67    | 99450    | 5.085    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 101.800% |
| 41) Toluene-d8                | 7.899  | 98    | 301080   | 5.266    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 105.400% |
| 43) trans-1,3-Dichloroprop... | 8.179  | 79    | 35115    | 4.927    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 98.600%  |
| 46) 2-Hexanone-d5             | 8.635  | 63    | 145644   | 48.222   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 96.440%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.754 | 84    | 88185    | 5.201    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 104.000% |
| 66) 1,2-Dichlorobenzene-d4    | 12.192 | 152   | 102549   | 4.858    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 97.200%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.385  | 85    | 94766    | 5.231    | ug/L   | 100      |
| 3) Chloromethane              | 1.523  | 50    | 127894   | 5.409    | ug/L   | 100      |
| 5) Vinyl chloride             | 1.604  | 62    | 122726   | 5.402    | ug/L   | 96       |
| 6) Bromomethane               | 1.858  | 94    | 61327    | 5.261    | ug/L   | 97       |
| 8) Chloroethane               | 1.935  | 64    | 73707    | 5.218    | ug/L   | 98       |
| 9) Trichlorofluoromethane     | 2.137  | 101   | 136194   | 5.450    | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.578  | 101   | 83808    | 5.485    | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 2.581  | 96    | 84007    | 5.544    | ug/L   | 82       |
| 13) Acetone                   | 2.658  | 43    | 142205   | 56.862   | ug/L   | 100      |
| 14) Carbon disulfide          | 2.793  | 76    | 280504   | 5.348    | ug/L   | 98       |
| 15) Methyl Acetate            | 2.960  | 43    | 31293    | 4.824    | ug/L   | 97       |
| 16) Methylene chloride        | 3.047  | 84    | 108233   | 5.280    | ug/L   | 96       |
| 17) Methyl tert-butyl Ether   | 3.366  | 73    | 171141   | 5.045    | ug/L   | 100      |
| 18) trans-1,2-Dichloroethene  | 3.353  | 96    | 86248    | 5.310    | ug/L   | 97       |
| 19) 1,1-Dichloroethane        | 3.867  | 63    | 162472   | 5.550    | ug/L   | 99       |
| 21) 2-Butanone                | 4.722  | 43    | 213100   | 53.164   | ug/L   | 98       |
| 22) cis-1,2-Dichloroethene    | 4.665  | 96    | 91339    | 5.358    | ug/L   | 99       |
| 23) Bromochloromethane        | 4.976  | 128   | 47417    | 5.814    | ug/L   | 95       |
| 25) Chloroform                | 5.086  | 83    | 169651   | 5.719    | ug/L   | 96       |

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Instrument :  
 MSVOA\_U  
 ClientSampleId :  
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 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Dec 06 21:24:57 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.796  | 62   | 99412    | 5.472  | ug/L  | 100      |
| 29) 1,1,1-Trichloroethane     | 5.314  | 97   | 131058   | 5.549  | ug/L  | 99       |
| 30) Cyclohexane               | 5.388  | 56   | 111912   | 4.880  | ug/L  | 99       |
| 31) Carbon tetrachloride      | 5.523  | 117  | 110348   | 5.499  | ug/L  | 100      |
| 33) Benzene                   | 5.774  | 78   | 385994   | 5.572  | ug/L  | 100      |
| 34) Trichloroethene           | 6.542  | 95   | 89638    | 5.188  | ug/L  | 95       |
| 35) Methylcyclohexane         | 6.764  | 83   | 120419   | 4.845  | ug/L  | 98       |
| 37) 1,2-Dichloropropane       | 6.790  | 63   | 98656    | 5.500  | ug/L  | 100      |
| 38) Bromodichloromethane      | 7.105  | 83   | 122370   | 5.596  | ug/L  | 97       |
| 39) cis-1,3-Dichloropropene   | 7.607  | 75   | 118998   | 5.167  | ug/L  | 98       |
| 40) 4-Methyl-2-pentanone      | 7.793  | 43   | 478560   | 51.078 | ug/L  | 100      |
| 42) Toluene                   | 7.970  | 91   | 408905   | 5.738  | ug/L  | 98       |
| 44) trans-1,3-Dichloropropene | 8.211  | 75   | 105169   | 5.333  | ug/L  | 98       |
| 45) 1,1,2-Trichloroethane     | 8.401  | 97   | 73154    | 5.427  | ug/L  | 97       |
| 47) Tetrachloroethene         | 8.552  | 164  | 74271    | 5.609  | ug/L  | 96       |
| 48) 2-Hexanone                | 8.687  | 43   | 367833   | 53.552 | ug/L  | 99       |
| 49) Dibromochloromethane      | 8.809  | 129  | 88183    | 5.841  | ug/L  | 99       |
| 50) 1,2-Dibromoethane         | 8.925  | 107  | 65962    | 5.373  | ug/L  | 97       |
| 51) Chlorobenzene             | 9.446  | 112  | 245943   | 5.413  | ug/L  | 99       |
| 52) Ethylbenzene              | 9.568  | 91   | 363041   | 5.240  | ug/L  | 100      |
| 53) m,p-Xylene                | 9.693  | 106  | 150557   | 5.612  | ug/L  | 94       |
| 54) o-Xylene                  | 10.102 | 106  | 142990   | 5.562  | ug/L  | 97       |
| 55) Styrene                   | 10.115 | 104  | 255104   | 5.875  | ug/L  | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 10.780 | 83   | 93570    | 5.558  | ug/L  | 99       |
| 59) Bromoform                 | 10.291 | 173  | 48875    | 5.382  | ug/L  | 96       |
| 60) Isopropylbenzene          | 10.484 | 105  | 362322   | 5.232  | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 10.822 | 75   | 61411    | 4.867  | ug/L  | 98       |
| 62) 1,3,5-Trimethylbenzene    | 11.089 | 105  | 267683   | 4.835  | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 11.468 | 105  | 271496   | 4.941  | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.745 | 146  | 190628   | 5.391  | ug/L  | 98       |
| 65) 1,4-Dichlorobenzene       | 11.835 | 146  | 188389   | 5.342  | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 12.211 | 146  | 181189   | 5.321  | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.995 | 75   | 12520    | 4.534  | ug/L  | 97       |
| 69) 1,3,5-Trichlorobenzene    | 13.217 | 180  | 127421   | 5.082  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.838 | 180  | 89665    | 4.696  | ug/L  | 98       |
| 71) Naphthalene               | 14.085 | 128  | 132715   | 3.702  | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 14.327 | 180  | 85077    | 4.529  | ug/L  | 97       |

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

