

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU112224\  
 Data File : VU061982.D  
 Acq On : 22 Nov 2024 19:44  
 Operator : MD/SY  
 Sample : VSTDCCC005  
 Misc : 25mL/MSVOA\_U/WATER  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005159

Quant Time: Nov 22 22:48:52 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR112024WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Nov 22 22:40:46 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|-------|----------|
| -----                         |        |       |          |          |       |          |
| Internal Standards            |        |       |          |          |       |          |
| 1) 1,4-Difluorobenzene        | 6.242  | 114   | 121897   | 5.000    | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 9.409  | 117   | 112841   | 5.000    | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.804 | 152   | 56197    | 5.000    | ug/L  | 0.00     |
|                               |        |       |          |          |       |          |
| System Monitoring Compounds   |        |       |          |          |       |          |
| 4) Vinyl Chloride-d3          | 1.595  | 65    | 25099    | 4.198    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =     | 84.000%  |
| 7) Chloroethane-d5            | 1.907  | 69    | 21890    | 4.138    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =     | 82.800%  |
| 11) 1,1-Dichloroethene-d2     | 2.560  | 65    | 11319    | 4.738    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =     | 94.800%  |
| 20) 2-Butanone-d5             | 4.618  | 46    | 98476    | 52.447   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =     | 104.900% |
| 24) Chloroform-d              | 5.052  | 84    | 74477    | 5.106    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =     | 102.200% |
| 26) 1,2-Dichloroethane-d4     | 5.692  | 65    | 38109    | 5.076    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =     | 101.600% |
| 32) Benzene-d6                | 5.718  | 84    | 121205   | 5.513    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =     | 110.200% |
| 36) 1,2-Dichloropropane-d6    | 6.679  | 67    | 41936    | 5.614    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =     | 112.200% |
| 41) Toluene-d8                | 7.888  | 98    | 102367   | 5.583    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =     | 111.600% |
| 43) trans-1,3-Dichloroprop... | 8.174  | 79    | 16083    | 5.815    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =     | 116.400% |
| 46) 2-Hexanone-d5             | 8.624  | 63    | 69298    | 54.897   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =     | 109.800% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.746 | 84    | 39833    | 5.336    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =     | 106.800% |
| 66) 1,2-Dichlorobenzene-d4    | 12.184 | 152   | 45414    | 5.465    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =     | 109.400% |
|                               |        |       |          |          |       |          |
| Target Compounds              |        |       |          | Qvalue   |       |          |
| 2) Dichlorodifluoromethane    | 1.383  | 85    | 54620    | 5.121    | ug/L  | 99       |
| 3) Chloromethane              | 1.515  | 50    | 52026    | 4.733    | ug/L  | 100      |
| 5) Vinyl chloride             | 1.602  | 62    | 49088    | 4.346    | ug/L  | 99       |
| 6) Bromomethane               | 1.853  | 94    | 29531    | 4.393    | ug/L  | 100      |
| 8) Chloroethane               | 1.927  | 64    | 28587    | 3.926    | ug/L  | 98       |
| 9) Trichlorofluoromethane     | 2.132  | 101   | 71190    | 4.983    | ug/L  | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.573  | 101   | 39211    | 4.461    | ug/L  | 93       |
| 12) 1,1-Dichloroethene        | 2.573  | 96    | 38540    | 4.715    | ug/L  | 95       |
| 13) Acetone                   | 2.628  | 43    | 60803    | 46.902   | ug/L  | 94       |
| 14) Carbon disulfide          | 2.788  | 76    | 114870   | 4.418    | ug/L  | 99       |
| 15) Methyl Acetate            | 2.946  | 43    | 16255    | 4.883    | ug/L  | 97       |
| 16) Methylene chloride        | 3.036  | 84    | 45490    | 4.634    | ug/L  | 95       |
| 17) Methyl tert-butyl Ether   | 3.354  | 73    | 107925   | 5.151    | ug/L  | 98       |
| 18) trans-1,2-Dichloroethene  | 3.345  | 96    | 41309    | 4.780    | ug/L  | 91       |
| 19) 1,1-Dichloroethane        | 3.859  | 63    | 80207    | 4.765    | ug/L  | 99       |
| 21) 2-Butanone                | 4.695  | 43    | 100644   | 48.036   | ug/L  | 97       |
| 22) cis-1,2-Dichloroethene    | 4.656  | 96    | 46468    | 4.778    | ug/L  | 98       |
| 23) Bromochloromethane        | 4.965  | 128   | 21954    | 5.193    | ug/L  | 90       |
| 25) Chloroform                | 5.074  | 83    | 87111    | 4.950    | ug/L  | 98       |

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 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005159

Quant Time: Nov 22 22:48:52 2024  
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 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Nov 22 22:40:46 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.785  | 62   | 57293    | 5.061  | ug/L  | 98       |
| 29) 1,1,1-Trichloroethane     | 5.306  | 97   | 73532    | 5.654  | ug/L  | 96       |
| 30) Cyclohexane               | 5.380  | 56   | 63835    | 4.692  | ug/L  | 99       |
| 31) Carbon tetrachloride      | 5.515  | 117  | 62746    | 5.682  | ug/L  | 97       |
| 33) Benzene                   | 5.766  | 78   | 180103   | 5.285  | ug/L  | 100      |
| 34) Trichloroethene           | 6.534  | 95   | 48391    | 5.321  | ug/L  | 98       |
| 35) Methylcyclohexane         | 6.753  | 83   | 64488    | 4.635  | ug/L  | 98       |
| 37) 1,2-Dichloropropane       | 6.779  | 63   | 48373    | 5.464  | ug/L  | 98       |
| 38) Bromodichloromethane      | 7.094  | 83   | 58328    | 5.432  | ug/L  | 100      |
| 39) cis-1,3-Dichloropropene   | 7.598  | 75   | 68268    | 5.499  | ug/L  | 100      |
| 40) 4-Methyl-2-pentanone      | 7.779  | 43   | 254031   | 53.178 | ug/L  | 95       |
| 42) Toluene                   | 7.959  | 91   | 188716   | 5.277  | ug/L  | 98       |
| 44) trans-1,3-Dichloropropene | 8.203  | 75   | 55880    | 5.668  | ug/L  | 99       |
| 45) 1,1,2-Trichloroethane     | 8.389  | 97   | 35982    | 5.517  | ug/L  | 97       |
| 47) Tetrachloroethene         | 8.544  | 164  | 34705    | 5.247  | ug/L  | 97       |
| 48) 2-Hexanone                | 8.676  | 43   | 186114   | 52.023 | ug/L  | 96       |
| 49) Dibromochloromethane      | 8.801  | 129  | 38638    | 5.608  | ug/L  | 97       |
| 50) 1,2-Dibromoethane         | 8.914  | 107  | 34414    | 5.316  | ug/L  | 100      |
| 51) Chlorobenzene             | 9.438  | 112  | 118234   | 4.827  | ug/L  | 99       |
| 52) Ethylbenzene              | 9.560  | 91   | 203316   | 4.751  | ug/L  | 97       |
| 53) m,p-Xylene                | 9.685  | 106  | 76460    | 5.063  | ug/L  | 100      |
| 54) o-Xylene                  | 10.090 | 106  | 74295    | 4.874  | ug/L  | 94       |
| 55) Styrene                   | 10.106 | 104  | 125324   | 4.991  | ug/L  | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 10.772 | 83   | 43401    | 5.192  | ug/L  | 97       |
| 59) Bromoform                 | 10.280 | 173  | 21958    | 5.256  | ug/L  | 99       |
| 60) Isopropylbenzene          | 10.476 | 105  | 196101   | 4.475  | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 10.814 | 75   | 30023    | 4.621  | ug/L  | 98       |
| 62) 1,3,5-Trimethylbenzene    | 11.077 | 105  | 165491   | 4.734  | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 11.460 | 105  | 163297   | 4.686  | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.737 | 146  | 90143    | 4.634  | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 11.827 | 146  | 91449    | 4.857  | ug/L  | 98       |
| 67) 1,2-Dichlorobenzene       | 12.203 | 146  | 85756    | 5.069  | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.987 | 75   | 6339     | 5.717  | ug/L  | 93       |
| 69) 1,3,5-Trichlorobenzene    | 13.209 | 180  | 65417    | 5.652  | ug/L  | 97       |
| 70) 1,2,4-trichlorobenzene    | 13.833 | 180  | 50770    | 5.723  | ug/L  | 96       |
| 71) Naphthalene               | 14.081 | 128  | 78682    | 5.503  | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 14.322 | 180  | 45737    | 5.986  | ug/L  | 99       |

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

