

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU112322\  
 Data File : VU052088.D  
 Acq On : 23 Nov 2022 14:03  
 Operator : JC/MD  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005089

Quant Time: Nov 24 04:10:16 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR111822WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Sat Nov 19 21:39:41 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.247  | 114   | 225486   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.414  | 117   | 221130   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.809 | 152   | 114176   | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.597  | 65    | 80578    | 3.674    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 73.400%  |
| 7) Chloroethane-d5            | 1.896  | 69    | 61670    | 3.620    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 72.400%  |
| 11) 1,1-Dichloroethene-d2     | 2.562  | 65    | 30245    | 3.847    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 77.000%  |
| 20) 2-Butanone-d5             | 4.617  | 46    | 197425   | 49.658   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 99.320%  |
| 24) Chloroform-d              | 5.060  | 84    | 150706   | 4.676    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 93.600%  |
| 26) 1,2-Dichloroethane-d4     | 5.700  | 65    | 74041    | 4.549    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 91.000%  |
| 32) Benzene-d6                | 5.723  | 84    | 294321   | 4.483    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 89.600%  |
| 36) 1,2-Dichloropropane-d6    | 6.687  | 67    | 94604    | 4.656    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 93.200%  |
| 41) Toluene-d8                | 7.896  | 98    | 269418   | 4.536    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 90.800%  |
| 43) trans-1,3-Dichloroprop... | 8.176  | 79    | 34138    | 4.611    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 92.200%  |
| 46) 2-Hexanone-d5             | 8.629  | 63    | 180721   | 57.599   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 115.200% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.755 | 84    | 90728    | 5.151    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 103.000% |
| 66) 1,2-Dichlorobenzene-d4    | 12.192 | 152   | 96993    | 4.437    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 88.800%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.382  | 85    | 106285   | 5.435    | ug/L   | 97       |
| 3) Chloromethane              | 1.523  | 50    | 143807   | 5.634    | ug/L   | 100      |
| 5) Vinyl chloride             | 1.604  | 62    | 126323   | 5.151    | ug/L   | 95       |
| 6) Bromomethane               | 1.832  | 94    | 44511    | 3.537    | ug/L   | 93       |
| 8) Chloroethane               | 1.919  | 64    | 77806    | 5.102    | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 2.131  | 101   | 139149   | 5.158    | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.575  | 101   | 86454    | 5.242    | ug/L   | 100      |
| 12) 1,1-Dichloroethene        | 2.575  | 96    | 83911    | 5.130    | ug/L   | 85       |
| 13) Acetone                   | 2.620  | 43    | 143222   | 53.051   | ug/L   | 99       |
| 14) Carbon disulfide          | 2.787  | 76    | 273221   | 4.825    | ug/L   | 98       |
| 15) Methyl Acetate            | 2.945  | 43    | 35040    | 5.004    | ug/L   | 98       |
| 16) Methylene chloride        | 3.041  | 84    | 111840   | 5.054    | ug/L   | 99       |
| 17) Methyl tert-butyl Ether   | 3.359  | 73    | 185595   | 5.068    | ug/L   | 100      |
| 18) trans-1,2-Dichloroethene  | 3.350  | 96    | 89409    | 5.099    | ug/L   | 95       |
| 19) 1,1-Dichloroethane        | 3.864  | 63    | 161855   | 5.122    | ug/L   | 99       |
| 21) 2-Butanone                | 4.697  | 43    | 228955   | 52.913   | ug/L   | 98       |
| 22) cis-1,2-Dichloroethene    | 4.662  | 96    | 94179    | 5.118    | ug/L   | 96       |
| 23) Bromochloromethane        | 4.970  | 128   | 44950    | 5.105    | ug/L   | 96       |
| 25) Chloroform                | 5.083  | 83    | 164305   | 5.131    | ug/L   | 93       |

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 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005089

Quant Time: Nov 24 04:10:16 2022  
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 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Sat Nov 19 21:39:41 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.790  | 62   | 100755   | 5.137  | ug/L  | 98       |
| 29) 1,1,1-Trichloroethane     | 5.311  | 97   | 128132   | 5.223  | ug/L  | 99       |
| 30) Cyclohexane               | 5.385  | 56   | 125419   | 5.265  | ug/L  | 99       |
| 31) Carbon tetrachloride      | 5.520  | 117  | 109614   | 5.258  | ug/L  | 98       |
| 33) Benzene                   | 5.771  | 78   | 385037   | 5.350  | ug/L  | 100      |
| 34) Trichloroethene           | 6.539  | 95   | 96872    | 5.397  | ug/L  | 99       |
| 35) Methylcyclohexane         | 6.761  | 83   | 132774   | 5.142  | ug/L  | 97       |
| 37) 1,2-Dichloropropane       | 6.787  | 63   | 97337    | 5.224  | ug/L  | 99       |
| 38) Bromodichloromethane      | 7.102  | 83   | 116000   | 5.106  | ug/L  | 98       |
| 39) cis-1,3-Dichloropropene   | 7.604  | 75   | 124375   | 5.199  | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 7.787  | 43   | 538553   | 55.332 | ug/L  | 100      |
| 42) Toluene                   | 7.967  | 91   | 403773   | 5.454  | ug/L  | 98       |
| 44) trans-1,3-Dichloropropene | 8.208  | 75   | 106183   | 5.183  | ug/L  | 99       |
| 45) 1,1,2-Trichloroethane     | 8.398  | 97   | 73702    | 5.264  | ug/L  | 98       |
| 47) Tetrachloroethene         | 8.549  | 164  | 70467    | 5.122  | ug/L  | 99       |
| 48) 2-Hexanone                | 8.681  | 43   | 422994   | 59.280 | ug/L  | 99       |
| 49) Dibromochloromethane      | 8.806  | 129  | 78475    | 5.004  | ug/L  | 98       |
| 50) 1,2-Dibromoethane         | 8.922  | 107  | 66394    | 5.206  | ug/L  | 97       |
| 51) Chlorobenzene             | 9.443  | 112  | 242742   | 5.143  | ug/L  | 99       |
| 52) Ethylbenzene              | 9.568  | 91   | 372603   | 5.177  | ug/L  | 100      |
| 53) m,p-Xylene                | 9.690  | 106  | 149249   | 5.356  | ug/L  | 97       |
| 54) o-Xylene                  | 10.099 | 106  | 146346   | 5.479  | ug/L  | 97       |
| 55) Styrene                   | 10.112 | 104  | 251887   | 5.584  | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.780 | 83   | 98144    | 5.612  | ug/L  | 98       |
| 59) Bromoform                 | 10.288 | 173  | 45683    | 4.858  | ug/L  | 97       |
| 60) Isopropylbenzene          | 10.481 | 105  | 365990   | 5.103  | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 10.819 | 75   | 67779    | 5.187  | ug/L  | 98       |
| 62) 1,3,5-Trimethylbenzene    | 11.086 | 105  | 283333   | 4.942  | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 11.465 | 105  | 285193   | 5.012  | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.742 | 146  | 185375   | 5.062  | ug/L  | 97       |
| 65) 1,4-Dichlorobenzene       | 11.832 | 146  | 181057   | 4.958  | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 12.211 | 146  | 180165   | 5.109  | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.996 | 75   | 14444    | 5.051  | ug/L  | 94       |
| 69) 1,3,5-Trichlorobenzene    | 13.218 | 180  | 123341   | 4.750  | ug/L  | 100      |
| 70) 1,2,4-trichlorobenzene    | 13.838 | 180  | 93888    | 4.748  | ug/L  | 99       |
| 71) Naphthalene               | 14.086 | 128  | 172673   | 4.651  | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 14.327 | 180  | 95725    | 4.920  | ug/L  | 99       |

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

