

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU103122\  
 Data File : VU051649.D  
 Acq On : 01 Nov 2022 08:20  
 Operator : JC/MD  
 Sample : VSTDCCC005EC  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 50 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005191

Quant Time: Nov 01 08:39:02 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR102822WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Nov 01 02:34:58 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.247  | 114   | 268006   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.417  | 117   | 265891   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.809 | 152   | 139332   | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.597  | 65    | 68624    | 3.400    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 68.000%  |
| 7) Chloroethane-d5            | 1.906  | 69    | 77938    | 3.702    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 74.000%  |
| 11) 1,1-Dichloroethene-d2     | 2.562  | 65    | 25829    | 3.526    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 70.600%  |
| 20) 2-Butanone-d5             | 4.617  | 46    | 399542   | 54.656   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 109.320% |
| 24) Chloroform-d              | 5.060  | 84    | 199866   | 4.231    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 84.600%  |
| 26) 1,2-Dichloroethane-d4     | 5.700  | 65    | 109636   | 4.297    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 86.000%  |
| 32) Benzene-d6                | 5.726  | 84    | 354910   | 4.230    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 84.600%  |
| 36) 1,2-Dichloropropane-d6    | 6.690  | 67    | 130503   | 4.448    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 89.000%  |
| 41) Toluene-d8                | 7.896  | 98    | 281179   | 4.261    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 85.200%  |
| 43) trans-1,3-Dichloroprop... | 8.176  | 79    | 39503    | 4.403    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 88.000%  |
| 46) 2-Hexanone-d5             | 8.629  | 63    | 343954   | 63.689   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 127.380% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.755 | 84    | 132233   | 4.918    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 98.400%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.192 | 152   | 111608   | 4.364    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 87.200%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.382  | 85    | 140420   | 4.791    | ug/L   | 99       |
| 3) Chloromethane              | 1.527  | 50    | 151668   | 4.105    | ug/L   | 99       |
| 5) Vinyl chloride             | 1.601  | 62    | 165511   | 4.676    | ug/L # | 74       |
| 6) Bromomethane               | 1.848  | 94    | 60679    | 3.616    | ug/L   | 95       |
| 8) Chloroethane               | 1.929  | 64    | 101434   | 4.720    | ug/L   | 96       |
| 9) Trichlorofluoromethane     | 2.134  | 101   | 182556   | 4.699    | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.578  | 101   | 109327   | 4.786    | ug/L   | 98       |
| 12) 1,1-Dichloroethene        | 2.575  | 96    | 111984   | 4.806    | ug/L   | 94       |
| 13) Acetone                   | 2.623  | 43    | 190765   | 51.432   | ug/L   | 98       |
| 14) Carbon disulfide          | 2.790  | 76    | 359540   | 4.787    | ug/L   | 100      |
| 15) Methyl Acetate            | 2.948  | 43    | 49532    | 5.101    | ug/L   | 93       |
| 16) Methylene chloride        | 3.041  | 84    | 172980   | 4.533    | ug/L   | 97       |
| 17) Methyl tert-butyl Ether   | 3.359  | 73    | 301538   | 5.644    | ug/L   | 99       |
| 18) trans-1,2-Dichloroethene  | 3.350  | 96    | 123532   | 4.940    | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 3.867  | 63    | 228513   | 4.955    | ug/L   | 99       |
| 21) 2-Butanone                | 4.697  | 43    | 337869   | 58.169   | ug/L   | 99       |
| 22) cis-1,2-Dichloroethene    | 4.665  | 96    | 141985   | 5.132    | ug/L   | 100      |
| 23) Bromochloromethane        | 4.970  | 128   | 64318    | 4.972    | ug/L   | 95       |
| 25) Chloroform                | 5.086  | 83    | 230392   | 4.815    | ug/L   | 97       |

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Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005191

Quant Time: Nov 01 08:39:02 2022  
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 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.790  | 62   | 143261   | 4.865  | ug/L  | 96       |
| 29) 1,1,1-Trichloroethane     | 5.314  | 97   | 186241   | 5.159  | ug/L  | 97       |
| 30) Cyclohexane               | 5.385  | 56   | 180410   | 5.427  | ug/L  | 99       |
| 31) Carbon tetrachloride      | 5.523  | 117  | 153837   | 4.982  | ug/L  | 100      |
| 33) Benzene                   | 5.771  | 78   | 559226   | 5.330  | ug/L  | 100      |
| 34) Trichloroethene           | 6.539  | 95   | 130556   | 5.156  | ug/L  | 99       |
| 35) Methylcyclohexane         | 6.761  | 83   | 186139   | 5.316  | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 6.790  | 63   | 137663   | 5.101  | ug/L  | 100      |
| 38) Bromodichloromethane      | 7.102  | 83   | 167744   | 5.089  | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 7.604  | 75   | 174685   | 5.045  | ug/L  | 96       |
| 40) 4-Methyl-2-pentanone      | 7.787  | 43   | 825089   | 60.952 | ug/L  | 99       |
| 42) Toluene                   | 7.967  | 91   | 626494   | 5.814  | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 8.208  | 75   | 148045   | 5.116  | ug/L  | 98       |
| 45) 1,1,2-Trichloroethane     | 8.398  | 97   | 104588   | 5.288  | ug/L  | 98       |
| 47) Tetrachloroethene         | 8.552  | 164  | 98407    | 5.074  | ug/L  | 96       |
| 48) 2-Hexanone                | 8.681  | 43   | 607248   | 60.605 | ug/L  | 99       |
| 49) Dibromochloromethane      | 8.806  | 129  | 115298   | 5.103  | ug/L  | 99       |
| 50) 1,2-Dibromoethane         | 8.922  | 107  | 97728    | 5.477  | ug/L  | 97       |
| 51) Chlorobenzene             | 9.446  | 112  | 369237   | 5.444  | ug/L  | 100      |
| 52) Ethylbenzene              | 9.568  | 91   | 588370   | 5.659  | ug/L  | 99       |
| 53) m,p-Xylene                | 9.690  | 106  | 242539   | 6.006  | ug/L  | 98       |
| 54) o-Xylene                  | 10.099 | 106  | 226595   | 5.741  | ug/L  | 99       |
| 55) Styrene                   | 10.111 | 104  | 377421   | 5.720  | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.780 | 83   | 135355   | 5.520  | ug/L  | 99       |
| 59) Bromoform                 | 10.288 | 173  | 67814    | 5.268  | ug/L  | 99       |
| 60) Isopropylbenzene          | 10.481 | 105  | 573199   | 5.635  | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 10.819 | 75   | 93333    | 5.180  | ug/L  | 100      |
| 62) 1,3,5-Trimethylbenzene    | 11.086 | 105  | 156986   | 5.733  | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 11.465 | 105  | 457709   | 5.797  | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.745 | 146  | 264518   | 5.224  | ug/L  | 100      |
| 65) 1,4-Dichlorobenzene       | 11.835 | 146  | 263060   | 5.181  | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 12.211 | 146  | 256282   | 5.196  | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.992 | 75   | 20412    | 5.502  | ug/L  | 97       |
| 69) 1,3,5-Trichlorobenzene    | 13.217 | 180  | 186882   | 5.178  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.838 | 180  | 149597   | 5.399  | ug/L  | 98       |
| 71) Naphthalene               | 14.086 | 128  | 327829   | 6.338  | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 14.327 | 180  | 152471   | 5.449  | ug/L  | 99       |

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

