

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU080822\  
 Data File : VU050179.D  
 Acq On : 09 Aug 2022 13:17  
 Operator : SY/MD  
 Sample : N4070-13MS  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 GBJL3MS

Quant Time: Aug 10 04:47:06 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR080422WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Aug 09 03:59:45 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min)  |
|-------------------------------|--------|-------|----------|----------|--------|-----------|
| -----                         |        |       |          |          |        |           |
| Internal Standards            |        |       |          |          |        |           |
| 1) 1,4-Difluorobenzene        | 6.292  | 114   | 75402    | 5.000    | ug/L   | 0.04      |
| 28) Chlorobenzene-d5          | 9.430  | 117   | 76158    | 5.000    | ug/L   | 0.01      |
| 58) 1,4-Dichlorobenzene-d4    | 11.815 | 152   | 36020    | 5.000    | ug/L   | 0.00      |
| System Monitoring Compounds   |        |       |          |          |        |           |
| 4) Vinyl Chloride-d3          | 1.600  | 65    | 37535    | 5.982    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 119.600%  |
| 7) Chloroethane-d5            | 1.922  | 69    | 32326    | 6.385    | ug/L   | 0.01      |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 127.800%  |
| 11) 1,1-Dichloroethene-d2     | 2.581  | 65    | 15294    | 6.236    | ug/L   | 0.02      |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 124.800%  |
| 20) 2-Butanone-d5             | 4.684  | 46    | 88278    | 57.690   | ug/L   | 0.04      |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 115.380%  |
| 24) Chloroform-d              | 5.073  | 84    | 75026    | 6.428    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 128.600%# |
| 26) 1,2-Dichloroethane-d4     | 5.745  | 65    | 36872    | 6.153    | ug/L   | 0.04      |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 123.000%  |
| 32) Benzene-d6                | 5.764  | 84    | 144746   | 6.090    | ug/L   | 0.04      |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 121.800%  |
| 36) 1,2-Dichloropropane-d6    | 6.729  | 67    | 49210    | 6.288    | ug/L   | 0.04      |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 125.800%  |
| 41) Toluene-d8                | 7.918  | 98    | 132299   | 6.303    | ug/L   | 0.02      |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 126.000%  |
| 43) trans-1,3-Dichloroprop... | 8.198  | 79    | 16776    | 5.982    | ug/L   | 0.02      |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 119.600%  |
| 46) 2-Hexanone-d5             | 8.655  | 63    | 75144    | 75.557   | ug/L   | 0.02      |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 151.120%# |
| 56) 1,1,2,2-Tetrachloroeth... | 10.764 | 84    | 42761    | 6.222    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 124.400%# |
| 66) 1,2-Dichlorobenzene-d4    | 12.195 | 152   | 41822    | 5.926    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 118.600%  |
| Target Compounds              |        |       |          |          |        |           |
|                               |        |       |          |          | Qvalue |           |
| 2) Dichlorodifluoromethane    | 1.385  | 85    | 39351    | 5.692    | ug/L   | 100       |
| 3) Chloromethane              | 1.523  | 50    | 52004    | 5.751    | ug/L   | 99        |
| 5) Vinyl chloride             | 1.607  | 62    | 46225    | 5.706    | ug/L   | 99        |
| 6) Bromomethane               | 1.864  | 94    | 22895    | 4.428    | ug/L   | 93        |
| 8) Chloroethane               | 1.941  | 64    | 29516    | 6.184    | ug/L   | 99        |
| 9) Trichlorofluoromethane     | 2.147  | 101   | 52569    | 5.926    | ug/L   | 98        |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.597  | 101   | 27916    | 5.657    | ug/L   | 97        |
| 12) 1,1-Dichloroethene        | 2.594  | 96    | 29670    | 5.693    | ug/L   | 89        |
| 13) Acetone                   | 2.674  | 43    | 42982    | 50.437   | ug/L   | 93        |
| 14) Carbon disulfide          | 2.806  | 76    | 97847    | 5.256    | ug/L   | 99        |
| 15) Methyl Acetate            | 2.986  | 43    | 12495    | 5.370    | ug/L   | 96        |
| 16) Methylene chloride        | 3.060  | 84    | 36744    | 4.614    | ug/L   | 93        |
| 17) Methyl tert-butyl Ether   | 3.398  | 73    | 87557    | 6.437    | ug/L   | 97        |
| 18) trans-1,2-Dichloroethene  | 3.362  | 96    | 31759    | 5.442    | ug/L   | 85        |
| 19) 1,1-Dichloroethane        | 3.877  | 63    | 68603    | 6.208    | ug/L   | 97        |
| 21) 2-Butanone                | 4.764  | 43    | 82254    | 53.675   | ug/L   | 97        |
| 22) cis-1,2-Dichloroethene    | 4.668  | 96    | 87157    | 13.456   | ug/L   | 95        |
| 23) Bromochloromethane        | 4.983  | 128   | 17716    | 5.722    | ug/L   | 95        |
| 25) Chloroform                | 5.099  | 83    | 68651    | 5.827    | ug/L   | 97        |

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 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.841  | 62   | 43464    | 6.062   | ug/L  | 97       |
| 29) 1,1,1-Trichloroethane     | 5.330  | 97   | 52812    | 5.653   | ug/L  | 99       |
| 30) Cyclohexane               | 5.401  | 56   | 42749    | 5.252   | ug/L  | 99       |
| 31) Carbon tetrachloride      | 5.546  | 117  | 43066    | 5.623   | ug/L  | 99       |
| 33) Benzene                   | 5.812  | 78   | 150035   | 5.623   | ug/L  | 100      |
| 34) Trichloroethene           | 6.581  | 95   | 1430039  | 221.593 | ug/L  | 97       |
| 35) Methylcyclohexane         | 6.793  | 83   | 47857    | 5.745   | ug/L  | 98       |
| 37) 1,2-Dichloropropane       | 6.828  | 63   | 40435    | 5.689   | ug/L  | 99       |
| 38) Bromodichloromethane      | 7.137  | 83   | 50555    | 5.856   | ug/L  | 97       |
| 39) cis-1,3-Dichloropropene   | 7.632  | 75   | 51163    | 5.516   | ug/L  | 96       |
| 40) 4-Methyl-2-pentanone      | 7.822  | 43   | 245818   | 59.712  | ug/L  | 99       |
| 42) Toluene                   | 7.989  | 91   | 154764   | 5.783   | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 8.230  | 75   | 43558    | 5.475   | ug/L  | 97       |
| 45) 1,1,2-Trichloroethane     | 8.420  | 97   | 30817    | 5.800   | ug/L  | 98       |
| 47) Tetrachloroethene         | 8.568  | 164  | 25719    | 5.562   | ug/L  | 99       |
| 48) 2-Hexanone                | 8.706  | 43   | 194044   | 60.943  | ug/L  | 99       |
| 49) Dibromochloromethane      | 8.825  | 129  | 34111    | 5.801   | ug/L  | 96       |
| 50) 1,2-Dibromoethane         | 8.938  | 107  | 28276    | 5.870   | ug/L  | 98       |
| 51) Chlorobenzene             | 9.459  | 112  | 91677    | 5.445   | ug/L  | 97       |
| 52) Ethylbenzene              | 9.581  | 91   | 138938   | 5.321   | ug/L  | 99       |
| 53) m,p-Xylene                | 9.703  | 106  | 53613    | 5.575   | ug/L  | 100      |
| 54) o-Xylene                  | 10.108 | 106  | 53122    | 5.534   | ug/L  | 100      |
| 55) Styrene                   | 10.121 | 104  | 87355    | 5.447   | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.787 | 83   | 40925    | 5.862   | ug/L  | 99       |
| 59) Bromoform                 | 10.298 | 173  | 19572    | 5.418   | ug/L  | 98       |
| 60) Isopropylbenzene          | 10.491 | 105  | 126851   | 5.273   | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 10.828 | 75   | 27665    | 5.638   | ug/L  | 98       |
| 62) 1,3,5-Trimethylbenzene    | 11.092 | 105  | 34526    | 5.080   | ug/L  | 96       |
| 63) 1,2,4-Trimethylbenzene    | 11.471 | 105  | 93102    | 5.028   | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.748 | 146  | 63847    | 5.266   | ug/L  | 96       |
| 65) 1,4-Dichlorobenzene       | 11.838 | 146  | 62991    | 5.339   | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 12.214 | 146  | 63802    | 5.434   | ug/L  | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 12.999 | 75   | 6051     | 6.289   | ug/L  | 97       |
| 69) 1,3,5-Trichlorobenzene    | 13.220 | 180  | 43646    | 5.053   | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.841 | 180  | 33124    | 5.061   | ug/L  | 100      |
| 71) Naphthalene               | 14.089 | 128  | 66042    | 4.922   | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 14.330 | 180  | 35145    | 5.298   | ug/L  | 99       |

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

