

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU072522\  
 Data File : VU049903.D  
 Acq On : 26 Jul 2022 06:45  
 Operator : SY/MD  
 Sample : N3870-18MSD  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 43 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 GBJ15MSD

Quant Time: Jul 26 09:01:47 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR072222WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Jul 26 06:46:04 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon           | Response | Conc   | Units    | Dev(Min) |
|-------------------------------|--------|----------------|----------|--------|----------|----------|
| -----                         |        |                |          |        |          |          |
| Internal Standards            |        |                |          |        |          |          |
| 1) 1,4-Difluorobenzene        | 6.250  | 114            | 72914    | 5.000  | ug/L     | 0.00     |
| 28) Chlorobenzene-d5          | 9.417  | 117            | 69800    | 5.000  | ug/L     | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.812 | 152            | 33983    | 5.000  | ug/L     | 0.00     |
| System Monitoring Compounds   |        |                |          |        |          |          |
| 4) Vinyl Chloride-d3          | 1.597  | 65             | 27209    | 4.609  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 40 - 130 | Recovery | =      | 92.200%  |          |
| 7) Chloroethane-d5            | 1.912  | 69             | 24207    | 4.900  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 130 | Recovery | =      | 98.000%  |          |
| 11) 1,1-Dichloroethene-d2     | 2.565  | 65             | 11784    | 4.473  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 125 | Recovery | =      | 89.400%  |          |
| 20) 2-Butanone-d5             | 4.632  | 46             | 133522   | 62.865 | ug/L     | -0.01    |
| Spiked Amount                 | 50.000 | Range 40 - 130 | Recovery | =      | 125.720% |          |
| 24) Chloroform-d              | 5.063  | 84             | 69921    | 5.318  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 106.400% |          |
| 26) 1,2-Dichloroethane-d4     | 5.703  | 65             | 40022    | 5.191  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 103.800% |          |
| 32) Benzene-d6                | 5.729  | 84             | 119992   | 5.045  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 100.800% |          |
| 36) 1,2-Dichloropropane-d6    | 6.690  | 67             | 44837    | 5.456  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 140 | Recovery | =      | 109.200% |          |
| 41) Toluene-d8                | 7.896  | 98             | 103893   | 4.997  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 100.000% |          |
| 43) trans-1,3-Dichloroprop... | 8.179  | 79             | 14212    | 4.764  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 55 - 130 | Recovery | =      | 95.200%  |          |
| 46) 2-Hexanone-d5             | 8.632  | 63             | 70253    | 59.428 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000 | Range 45 - 130 | Recovery | =      | 118.860% |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.758 | 84             | 41022    | 5.945  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 120 | Recovery | =      | 118.800% |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.192 | 152            | 37917    | 5.406  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 80 - 120 | Recovery | =      | 108.200% |          |
| Target Compounds              |        |                |          |        |          |          |
|                               |        |                |          |        |          | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.385  | 85             | 44264    | 5.750  | ug/L     | 100      |
| 3) Chloromethane              | 1.520  | 50             | 43784    | 4.623  | ug/L     | 98       |
| 5) Vinyl chloride             | 1.604  | 62             | 40417    | 5.104  | ug/L     | 98       |
| 6) Bromomethane               | 1.858  | 94             | 18780    | 4.386  | ug/L     | 95       |
| 8) Chloroethane               | 1.932  | 64             | 22044    | 4.831  | ug/L     | 96       |
| 9) Trichlorofluoromethane     | 2.137  | 101            | 52024    | 5.344  | ug/L     | 97       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.581  | 101            | 43368    | 9.108  | ug/L     | 98       |
| 12) 1,1-Dichloroethene        | 2.578  | 96             | 29134    | 6.047  | ug/L     | 89       |
| 13) Acetone                   | 2.642  | 43             | 66843    | 52.323 | ug/L     | 97       |
| 14) Carbon disulfide          | 2.793  | 76             | 70614    | 4.737  | ug/L     | 97       |
| 15) Methyl Acetate            | 2.957  | 43             | 9749     | 3.061  | ug/L     | 98       |
| 16) Methylene chloride        | 3.044  | 84             | 31804    | 2.927  | ug/L     | 95       |
| 17) Methyl tert-butyl Ether   | 3.366  | 73             | 73830    | 4.730  | ug/L     | 99       |
| 18) trans-1,2-Dichloroethene  | 3.353  | 96             | 26661    | 4.788  | ug/L     | 91       |
| 19) 1,1-Dichloroethane        | 3.870  | 63             | 67146    | 5.579  | ug/L     | 97       |
| 21) 2-Butanone                | 4.710  | 43             | 110378   | 50.944 | ug/L     | 91       |
| 22) cis-1,2-Dichloroethene    | 4.668  | 96             | 220900   | 34.247 | ug/L     | 94       |
| 23) Bromochloromethane        | 4.976  | 128            | 14425    | 5.006  | ug/L     | 95       |
| 25) Chloroform                | 5.089  | 83             | 60598    | 4.746  | ug/L     | 99       |

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 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 5.796  | 62   | 40596    | 4.629  | ug/L   | 96       |
| 29) 1,1,1-Trichloroethane     | 5.314  | 97   | 50449    | 5.149  | ug/L   | 99       |
| 30) Cyclohexane               | 5.388  | 56   | 42636    | 5.374  | ug/L   | 97       |
| 31) Carbon tetrachloride      | 5.526  | 117  | 40494    | 5.089  | ug/L   | 96       |
| 33) Benzene                   | 5.774  | 78   | 121711   | 4.805  | ug/L   | 100      |
| 34) Trichloroethene           | 6.542  | 95   | 321654   | 52.377 | ug/L   | 98       |
| 35) Methylcyclohexane         | 6.764  | 83   | 41191    | 5.438  | ug/L   | 100      |
| 37) 1,2-Dichloropropane       | 6.790  | 63   | 34905    | 4.835  | ug/L   | 99       |
| 38) Bromodichloromethane      | 7.105  | 83   | 43697    | 4.845  | ug/L   | 97       |
| 39) cis-1,3-Dichloropropene   | 7.607  | 75   | 39640    | 4.167  | ug/L   | 99       |
| 40) 4-Methyl-2-pentanone      | 7.793  | 43   | 258474   | 51.334 | ug/L   | 99       |
| 42) Toluene                   | 7.970  | 91   | 124501   | 4.915  | ug/L   | 99       |
| 44) trans-1,3-Dichloropropene | 8.211  | 75   | 34712    | 4.227  | ug/L   | 98       |
| 45) 1,1,2-Trichloroethane     | 8.401  | 97   | 25197    | 4.891  | ug/L   | 97       |
| 47) Tetrachloroethene         | 8.552  | 164  | 124673   | 29.492 | ug/L   | 98       |
| 48) 2-Hexanone                | 8.684  | 43   | 207311   | 55.165 | ug/L   | 96       |
| 49) Dibromochloromethane      | 8.809  | 129  | 29024    | 5.040  | ug/L   | 96       |
| 50) 1,2-Dibromoethane         | 8.925  | 107  | 22864    | 4.997  | ug/L   | 99       |
| 51) Chlorobenzene             | 9.446  | 112  | 76156    | 4.735  | ug/L   | 99       |
| 52) Ethylbenzene              | 9.571  | 91   | 120816   | 4.638  | ug/L   | 99       |
| 53) m,p-Xylene                | 9.693  | 106  | 43925    | 4.584  | ug/L   | 97       |
| 54) o-Xylene                  | 10.098 | 106  | 43934    | 4.640  | ug/L   | 100      |
| 55) Styrene                   | 10.102 | 104  | 3097     | 0.193  | ug/L # | 1        |
| 57) 1,1,2,2-Tetrachloroethane | 10.780 | 83   | 33577    | 5.046  | ug/L   | 98       |
| 59) Bromoform                 | 10.291 | 173  | 16533    | 5.590  | ug/L   | 99       |
| 60) Isopropylbenzene          | 10.484 | 105  | 111500   | 4.960  | ug/L   | 100      |
| 61) 1,2,3-Trichloropropane    | 10.822 | 75   | 24303    | 5.368  | ug/L   | 99       |
| 62) 1,3,5-Trimethylbenzene    | 11.089 | 105  | 89228    | 4.697  | ug/L   | 98       |
| 63) 1,2,4-Trimethylbenzene    | 11.468 | 105  | 87619    | 4.752  | ug/L   | 98       |
| 64) 1,3-Dichlorobenzene       | 11.745 | 146  | 52735    | 4.744  | ug/L   | 98       |
| 65) 1,4-Dichlorobenzene       | 11.838 | 146  | 52759    | 4.798  | ug/L   | 97       |
| 67) 1,2-Dichlorobenzene       | 12.211 | 146  | 54116    | 4.928  | ug/L   | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 12.995 | 75   | 5687     | 5.615  | ug/L   | 97       |
| 69) 1,3,5-Trichlorobenzene    | 13.217 | 180  | 35925    | 4.378  | ug/L   | 98       |
| 70) 1,2,4-trichlorobenzene    | 13.838 | 180  | 30434    | 4.417  | ug/L   | 98       |
| 71) Naphthalene               | 14.085 | 128  | 61944    | 4.611  | ug/L   | 98       |
| 72) 1,2,3-Trichlorobenzene    | 14.330 | 180  | 30031    | 4.535  | ug/L   | 94       |

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

