

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU072622\  
 Data File : VU049947.D  
 Acq On : 27 Jul 2022 06:14  
 Operator : SY/MD  
 Sample : N3873-03MSD  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 GBJ27MSD

Quant Time: Jul 27 06:43:27 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR072222WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Jul 27 05:17:43 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min)  |
|-------------------------------|--------|-------|----------|----------|--------|-----------|
| -----                         |        |       |          |          |        |           |
| Internal Standards            |        |       |          |          |        |           |
| 1) 1,4-Difluorobenzene        | 6.249  | 114   | 49709    | 5.000    | ug/L   | 0.00      |
| 28) Chlorobenzene-d5          | 9.416  | 117   | 45549    | 5.000    | ug/L   | 0.00      |
| 58) 1,4-Dichlorobenzene-d4    | 11.812 | 152   | 23540    | 5.000    | ug/L   | 0.00      |
| System Monitoring Compounds   |        |       |          |          |        |           |
| 4) Vinyl Chloride-d3          | 1.597  | 65    | 15185    | 3.773    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 75.400%   |
| 7) Chloroethane-d5            | 1.912  | 69    | 14417    | 4.280    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 85.600%   |
| 11) 1,1-Dichloroethene-d2     | 2.565  | 65    | 6670     | 3.713    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 74.200%   |
| 20) 2-Butanone-d5             | 4.626  | 46    | 118702   | 81.977   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 163.960%# |
| 24) Chloroform-d              | 5.066  | 84    | 42428    | 4.734    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 94.600%   |
| 26) 1,2-Dichloroethane-d4     | 5.703  | 65    | 26787    | 5.097    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 102.000%  |
| 32) Benzene-d6                | 5.729  | 84    | 67478    | 4.347    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 87.000%   |
| 36) 1,2-Dichloropropane-d6    | 6.690  | 67    | 25746    | 4.801    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 96.000%   |
| 41) Toluene-d8                | 7.899  | 98    | 58233    | 4.292    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 85.800%   |
| 43) trans-1,3-Dichloroprop... | 8.182  | 79    | 8520     | 4.376    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 87.600%   |
| 46) 2-Hexanone-d5             | 8.632  | 63    | 57760    | 74.874   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 149.740%# |
| 56) 1,1,2,2-Tetrachloroeth... | 10.757 | 84    | 32903    | 7.307    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 146.200%# |
| 66) 1,2-Dichlorobenzene-d4    | 12.195 | 152   | 22448    | 4.620    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 92.400%   |
| Target Compounds              |        |       |          |          |        |           |
|                               |        |       |          |          | Qvalue |           |
| 2) Dichlorodifluoromethane    | 1.385  | 85    | 34120    | 6.502    | ug/L   | 97        |
| 3) Chloromethane              | 1.523  | 50    | 34366    | 5.323    | ug/L   | 97        |
| 5) Vinyl chloride             | 1.603  | 62    | 32632    | 6.045    | ug/L   | 100       |
| 6) Bromomethane               | 1.857  | 94    | 14051    | 4.813    | ug/L   | 96        |
| 8) Chloroethane               | 1.931  | 64    | 20220    | 6.500    | ug/L   | 97        |
| 9) Trichlorofluoromethane     | 2.137  | 101   | 42834    | 6.454    | ug/L   | 98        |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.581  | 101   | 21573    | 6.646    | ug/L   | 99        |
| 12) 1,1-Dichloroethene        | 2.581  | 96    | 61671    | 18.776   | ug/L # | 71        |
| 13) Acetone                   | 2.632  | 43    | 74780    | 85.861   | ug/L   | 97        |
| 14) Carbon disulfide          | 2.793  | 76    | 58885    | 5.795    | ug/L   | 97        |
| 15) Methyl Acetate            | 2.954  | 43    | 17255    | 7.947    | ug/L   | 99        |
| 16) Methylene chloride        | 3.047  | 84    | 25073    | 3.384    | ug/L   | 93        |
| 17) Methyl tert-butyl Ether   | 3.365  | 73    | 64598    | 6.071    | ug/L   | 96        |
| 18) trans-1,2-Dichloroethene  | 3.356  | 96    | 20466    | 5.391    | ug/L   | 99        |
| 19) 1,1-Dichloroethane        | 3.870  | 63    | 127870   | 15.583   | ug/L   | 98        |
| 21) 2-Butanone                | 4.703  | 43    | 121948   | 82.558   | ug/L   | 94        |
| 22) cis-1,2-Dichloroethene    | 4.667  | 96    | 24424    | 5.554    | ug/L   | 99        |
| 23) Bromochloromethane        | 4.979  | 128   | 12432    | 6.329    | ug/L   | 95        |
| 25) Chloroform                | 5.089  | 83    | 46838    | 5.380    | ug/L   | 98        |

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 QLast Update : Wed Jul 27 05:17:43 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 5.796  | 62   | 36498    | 6.104  | ug/L   | 100      |
| 29) 1,1,1-Trichloroethane     | 5.317  | 97   | 56260    | 8.799  | ug/L   | 98       |
| 30) Cyclohexane               | 5.388  | 56   | 38104    | 7.359  | ug/L   | 98       |
| 31) Carbon tetrachloride      | 5.526  | 117  | 33977    | 6.544  | ug/L   | 97       |
| 33) Benzene                   | 5.774  | 78   | 98294    | 5.947  | ug/L   | 100      |
| 34) Trichloroethene           | 6.542  | 95   | 24209    | 6.041  | ug/L   | 96       |
| 35) Methylcyclohexane         | 6.764  | 83   | 34170    | 6.913  | ug/L   | 98       |
| 37) 1,2-Dichloropropane       | 6.793  | 63   | 27897    | 5.922  | ug/L   | 98       |
| 38) Bromodichloromethane      | 7.105  | 83   | 35481    | 6.029  | ug/L   | 96       |
| 39) cis-1,3-Dichloropropene   | 7.606  | 75   | 30292    | 4.880  | ug/L   | 98       |
| 40) 4-Methyl-2-pentanone      | 7.790  | 43   | 273713   | 83.303 | ug/L   | 100      |
| 42) Toluene                   | 7.970  | 91   | 100967   | 6.108  | ug/L   | 100      |
| 44) trans-1,3-Dichloropropene | 8.211  | 75   | 29347    | 5.476  | ug/L   | 95       |
| 45) 1,1,2-Trichloroethane     | 8.400  | 97   | 23550    | 7.005  | ug/L   | 97       |
| 47) Tetrachloroethene         | 8.552  | 164  | 18076    | 6.552  | ug/L   | 96       |
| 48) 2-Hexanone                | 8.683  | 43   | 225763   | 92.059 | ug/L   | 97       |
| 49) Dibromochloromethane      | 8.809  | 129  | 24108    | 6.416  | ug/L   | 89       |
| 50) 1,2-Dibromoethane         | 8.925  | 107  | 21413    | 7.172  | ug/L # | 98       |
| 51) Chlorobenzene             | 9.445  | 112  | 60129    | 5.729  | ug/L   | 99       |
| 52) Ethylbenzene              | 9.571  | 91   | 95397    | 5.613  | ug/L   | 99       |
| 53) m,p-Xylene                | 9.693  | 106  | 33795    | 5.405  | ug/L   | 98       |
| 54) o-Xylene                  | 10.098 | 106  | 32386    | 5.242  | ug/L   | 96       |
| 55) Styrene                   | 10.114 | 104  | 54801    | 5.236  | ug/L   | 92       |
| 57) 1,1,2,2-Tetrachloroethane | 10.783 | 83   | 34741    | 8.000  | ug/L   | 96       |
| 59) Bromoform                 | 10.291 | 173  | 15570    | 7.599  | ug/L   | 99       |
| 60) Isopropylbenzene          | 10.484 | 105  | 90085    | 5.785  | ug/L   | 100      |
| 61) 1,2,3-Trichloropropane    | 10.822 | 75   | 24674    | 7.867  | ug/L   | 97       |
| 62) 1,3,5-Trimethylbenzene    | 11.088 | 105  | 69389    | 5.273  | ug/L   | 97       |
| 63) 1,2,4-Trimethylbenzene    | 11.468 | 105  | 66077    | 5.174  | ug/L   | 98       |
| 64) 1,3-Dichlorobenzene       | 11.744 | 146  | 41524    | 5.393  | ug/L   | 96       |
| 65) 1,4-Dichlorobenzene       | 11.834 | 146  | 39965    | 5.246  | ug/L   | 98       |
| 67) 1,2-Dichlorobenzene       | 12.214 | 146  | 42342    | 5.567  | ug/L   | 97       |
| 68) 1,2-Dibromo-3-chloropr... | 12.995 | 75   | 6007     | 8.562  | ug/L   | 95       |
| 69) 1,3,5-Trichlorobenzene    | 13.220 | 180  | 28647    | 5.039  | ug/L   | 97       |
| 70) 1,2,4-trichlorobenzene    | 13.838 | 180  | 23204    | 4.862  | ug/L   | 98       |
| 71) Naphthalene               | 14.085 | 128  | 59738    | 6.420  | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 14.329 | 180  | 24745    | 5.394  | ug/L   | 97       |

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

