

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU111123\  
 Data File : VU056224.D  
 Acq On : 11 Nov 2023 18:05  
 Operator : MD/SY  
 Sample : 05339-22MSD  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 GCDK5MSD

Quant Time: Nov 11 20:24:18 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR110723WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Sat Nov 11 20:19:10 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min)  |
|-------------------------------|--------|-------|----------|----------|--------|-----------|
| -----                         |        |       |          |          |        |           |
| Internal Standards            |        |       |          |          |        |           |
| 1) 1,4-Difluorobenzene        | 6.245  | 114   | 385213   | 5.000    | ug/L   | 0.00      |
| 28) Chlorobenzene-d5          | 9.412  | 117   | 377322   | 5.000    | ug/L   | 0.00      |
| 58) 1,4-Dichlorobenzene-d4    | 11.807 | 152   | 190630   | 5.000    | ug/L   | 0.00      |
| System Monitoring Compounds   |        |       |          |          |        |           |
| 4) Vinyl Chloride-d3          | 1.595  | 65    | 91880    | 3.843    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 76.800%   |
| 7) Chloroethane-d5            | 1.911  | 69    | 79194    | 4.881    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 97.600%   |
| 11) 1,1-Dichloroethene-d2     | 2.563  | 65    | 43829    | 4.161    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 83.200%   |
| 20) 2-Butanone-d5             | 4.624  | 46    | 283655   | 72.313   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 144.620%# |
| 24) Chloroform-d              | 5.058  | 84    | 234296   | 5.148    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 103.000%  |
| 26) 1,2-Dichloroethane-d4     | 5.698  | 65    | 108284   | 5.403    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 108.000%  |
| 32) Benzene-d6                | 5.721  | 84    | 447706   | 4.940    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 98.800%   |
| 36) 1,2-Dichloropropane-d6    | 6.685  | 67    | 139543   | 5.231    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 104.600%  |
| 41) Toluene-d8                | 7.894  | 98    | 397338   | 4.785    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 95.600%   |
| 43) trans-1,3-Dichloroprop... | 8.174  | 79    | 50760    | 4.978    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 99.600%   |
| 46) 2-Hexanone-d5             | 8.627  | 63    | 261379   | 78.207   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 156.420%# |
| 56) 1,1,2,2-Tetrachloroeth... | 10.749 | 84    | 116049   | 6.095    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 122.000%# |
| 66) 1,2-Dichlorobenzene-d4    | 12.187 | 152   | 151751   | 5.162    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 103.200%  |
| Target Compounds              |        |       |          |          |        |           |
|                               |        |       |          |          | Qvalue |           |
| 2) Dichlorodifluoromethane    | 1.383  | 85    | 155265   | 4.753    | ug/L   | 99        |
| 3) Chloromethane              | 1.515  | 50    | 160118   | 5.232    | ug/L   | 99        |
| 5) Vinyl chloride             | 1.602  | 62    | 153469   | 4.848    | ug/L   | 98        |
| 6) Bromomethane               | 1.856  | 94    | 83968    | 4.618    | ug/L   | 100       |
| 8) Chloroethane               | 1.930  | 64    | 85037    | 4.954    | ug/L   | 99        |
| 9) Trichlorofluoromethane     | 2.132  | 101   | 212218   | 5.068    | ug/L   | 99        |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.576  | 101   | 131972   | 4.947    | ug/L   | 96        |
| 12) 1,1-Dichloroethene        | 2.576  | 96    | 126586   | 5.113    | ug/L   | 96        |
| 13) Acetone                   | 2.637  | 43    | 201563   | 69.676   | ug/L   | 98        |
| 14) Carbon disulfide          | 2.788  | 76    | 406033   | 4.813    | ug/L   | 99        |
| 15) Methyl Acetate            | 2.949  | 43    | 38080    | 4.665    | ug/L   | 95        |
| 16) Methylene chloride        | 3.039  | 84    | 139579   | 4.916    | ug/L   | 99        |
| 17) Methyl tert-butyl Ether   | 3.354  | 73    | 292744   | 5.248    | ug/L   | 99        |
| 18) trans-1,2-Dichloroethene  | 3.348  | 96    | 133555   | 5.090    | ug/L   | 97        |
| 19) 1,1-Dichloroethane        | 3.862  | 63    | 243940   | 5.097    | ug/L   | 97        |
| 21) 2-Butanone                | 4.705  | 43    | 264272   | 55.393   | ug/L   | 95        |
| 22) cis-1,2-Dichloroethene    | 4.660  | 96    | 148747   | 5.252    | ug/L   | 97        |
| 23) Bromochloromethane        | 4.968  | 128   | 64362    | 5.122    | ug/L   | 95        |
| 25) Chloroform                | 5.081  | 83    | 278900   | 5.469    | ug/L   | 98        |

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 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 GCDK5MSD

Quant Time: Nov 11 20:24:18 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR110723WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Sat Nov 11 20:19:10 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.788  | 62   | 148602   | 5.149  | ug/L  | 96       |
| 29) 1,1,1-Trichloroethane     | 5.309  | 97   | 225177   | 5.209  | ug/L  | 99       |
| 30) Cyclohexane               | 5.383  | 56   | 202571   | 5.016  | ug/L  | 98       |
| 31) Carbon tetrachloride      | 5.518  | 117  | 195963   | 5.105  | ug/L  | 99       |
| 33) Benzene                   | 5.769  | 78   | 566642   | 5.245  | ug/L  | 100      |
| 34) Trichloroethene           | 6.537  | 95   | 174392   | 5.909  | ug/L  | 97       |
| 35) Methylcyclohexane         | 6.759  | 83   | 214750   | 4.896  | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 6.785  | 63   | 144545   | 5.145  | ug/L  | 100      |
| 38) Bromodichloromethane      | 7.100  | 83   | 178916   | 5.099  | ug/L  | 97       |
| 39) cis-1,3-Dichloropropene   | 7.602  | 75   | 205693   | 5.187  | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 7.785  | 43   | 681494   | 55.454 | ug/L  | 99       |
| 42) Toluene                   | 7.965  | 91   | 604914   | 5.311  | ug/L  | 98       |
| 44) trans-1,3-Dichloropropene | 8.206  | 75   | 166854   | 5.197  | ug/L  | 99       |
| 45) 1,1,2-Trichloroethane     | 8.396  | 97   | 100012   | 5.207  | ug/L  | 96       |
| 47) Tetrachloroethene         | 8.550  | 164  | 137806   | 6.222  | ug/L  | 98       |
| 48) 2-Hexanone                | 8.679  | 43   | 501086   | 56.002 | ug/L  | 99       |
| 49) Dibromochloromethane      | 8.804  | 129  | 116217   | 5.273  | ug/L  | 99       |
| 50) 1,2-Dibromoethane         | 8.917  | 107  | 93934    | 5.234  | ug/L  | 98       |
| 51) Chlorobenzene             | 9.441  | 112  | 386376   | 5.258  | ug/L  | 98       |
| 52) Ethylbenzene              | 9.566  | 91   | 655309   | 5.280  | ug/L  | 97       |
| 53) m,p-Xylene                | 9.692  | 106  | 257744   | 5.460  | ug/L  | 100      |
| 54) o-Xylene                  | 10.097 | 106  | 241918   | 5.346  | ug/L  | 96       |
| 55) Styrene                   | 10.110 | 104  | 400422   | 5.409  | ug/L  | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 10.775 | 83   | 123741   | 5.482  | ug/L  | 98       |
| 59) Bromoform                 | 10.286 | 173  | 67487    | 5.097  | ug/L  | 100      |
| 60) Isopropylbenzene          | 10.479 | 105  | 656104   | 5.308  | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 10.817 | 75   | 87109    | 5.294  | ug/L  | 100      |
| 62) 1,3,5-Trimethylbenzene    | 11.084 | 105  | 529594   | 5.283  | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 11.463 | 105  | 530291   | 5.393  | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.740 | 146  | 314563   | 5.374  | ug/L  | 100      |
| 65) 1,4-Dichlorobenzene       | 11.833 | 146  | 312645   | 5.401  | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 12.206 | 146  | 288816   | 5.354  | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.991 | 75   | 18001    | 5.186  | ug/L  | 95       |
| 69) 1,3,5-Trichlorobenzene    | 13.216 | 180  | 232931   | 5.313  | ug/L  | 100      |
| 70) 1,2,4-trichlorobenzene    | 13.833 | 180  | 193159   | 5.553  | ug/L  | 99       |
| 71) Naphthalene               | 14.081 | 128  | 287996   | 5.583  | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 14.325 | 180  | 164734   | 5.402  | ug/L  | 98       |

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

