

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU111324\  
 Data File : VU061640.D  
 Acq On : 13 Nov 2024 21:45  
 Operator : MD/SY  
 Sample : P4747-18MSD  
 Misc : 25mL/MSVOA\_U/WATER  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 GCPD5MSD

Quant Time: Nov 14 01:35:48 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR111324WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Nov 14 00:27:20 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.238  | 114   | 178554   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.409  | 117   | 168441   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.804 | 152   | 81049    | 5.000    | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.596  | 65    | 39837    | 3.453    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 69.000%  |
| 7) Chloroethane-d5            | 1.911  | 69    | 46634    | 4.735    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 94.600%  |
| 11) 1,1-Dichloroethene-d2     | 2.560  | 65    | 19128    | 3.695    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 74.000%  |
| 20) 2-Butanone-d5             | 4.621  | 46    | 118549   | 48.414   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 96.820%  |
| 24) Chloroform-d              | 5.052  | 84    | 105212   | 4.588    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 91.800%  |
| 26) 1,2-Dichloroethane-d4     | 5.692  | 65    | 51362    | 4.667    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 93.400%  |
| 32) Benzene-d6                | 5.718  | 84    | 208357   | 4.471    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 89.400%  |
| 36) 1,2-Dichloropropane-d6    | 6.679  | 67    | 63113    | 4.592    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 91.800%  |
| 41) Toluene-d8                | 7.888  | 98    | 189209   | 4.356    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 87.200%  |
| 43) trans-1,3-Dichloroprop... | 8.174  | 79    | 19770    | 3.905    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 78.200%  |
| 46) 2-Hexanone-d5             | 8.624  | 63    | 103554   | 51.765   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 103.520% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.746 | 84    | 51942    | 4.794    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 95.800%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.184 | 152   | 65675    | 4.550    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 91.000%  |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.383  | 85    | 41569    | 3.132    | ug/L   | 100      |
| 3) Chloromethane              | 1.518  | 50    | 47379    | 3.935    | ug/L   | 99       |
| 5) Vinyl chloride             | 1.602  | 62    | 51921    | 3.908    | ug/L # | 71       |
| 6) Bromomethane               | 1.856  | 94    | 30621    | 3.863    | ug/L   | 99       |
| 8) Chloroethane               | 1.930  | 64    | 46874    | 5.086    | ug/L   | 92       |
| 9) Trichlorofluoromethane     | 2.132  | 101   | 79233    | 4.057    | ug/L   | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.576  | 101   | 44709    | 3.872    | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 2.573  | 96    | 46252    | 4.291    | ug/L   | 96       |
| 13) Acetone                   | 2.637  | 43    | 154509   | 100.154  | ug/L   | 98       |
| 14) Carbon disulfide          | 2.788  | 76    | 121340   | 3.505    | ug/L   | 100      |
| 15) Methyl Acetate            | 2.956  | 43    | 8368     | 2.171    | ug/L   | 98       |
| 16) Methylene chloride        | 3.039  | 84    | 57311    | 4.614    | ug/L   | 99       |
| 17) Methyl tert-butyl Ether   | 3.354  | 73    | 131020   | 4.959    | ug/L   | 99       |
| 18) trans-1,2-Dichloroethene  | 3.348  | 96    | 50517    | 4.273    | ug/L   | 97       |
| 19) 1,1-Dichloroethane        | 3.859  | 63    | 106049   | 4.920    | ug/L   | 97       |
| 21) 2-Butanone                | 4.702  | 43    | 134847   | 53.520   | ug/L   | 97       |
| 22) cis-1,2-Dichloroethene    | 4.656  | 96    | 72488    | 5.437    | ug/L   | 98       |
| 23) Bromochloromethane        | 4.965  | 128   | 28149    | 4.753    | ug/L   | 97       |
| 25) Chloroform                | 5.078  | 83    | 110168   | 4.849    | ug/L   | 98       |

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 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 GCPD5MSD

Quant Time: Nov 14 01:35:48 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR111324WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Nov 14 00:27:20 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.785  | 62   | 66312    | 4.651  | ug/L  | 97       |
| 29) 1,1,1-Trichloroethane     | 5.306  | 97   | 89165    | 4.652  | ug/L  | 99       |
| 30) Cyclohexane               | 5.377  | 56   | 70499    | 3.682  | ug/L  | 98       |
| 31) Carbon tetrachloride      | 5.515  | 117  | 75121    | 4.601  | ug/L  | 99       |
| 33) Benzene                   | 5.766  | 78   | 241743   | 4.742  | ug/L  | 100      |
| 34) Trichloroethene           | 6.534  | 95   | 64244    | 4.667  | ug/L  | 97       |
| 35) Methylcyclohexane         | 6.753  | 83   | 66923    | 3.224  | ug/L  | 98       |
| 37) 1,2-Dichloropropane       | 6.782  | 63   | 62744    | 4.851  | ug/L  | 100      |
| 38) Bromodichloromethane      | 7.097  | 83   | 74768    | 4.818  | ug/L  | 98       |
| 39) cis-1,3-Dichloropropene   | 7.598  | 75   | 76360    | 4.149  | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 7.782  | 43   | 315140   | 50.820 | ug/L  | 99       |
| 42) Toluene                   | 7.959  | 91   | 257790   | 4.697  | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene | 8.203  | 75   | 60394    | 4.137  | ug/L  | 99       |
| 45) 1,1,2-Trichloroethane     | 8.389  | 97   | 46202    | 4.900  | ug/L  | 98       |
| 47) Tetrachloroethene         | 8.544  | 164  | 43373    | 4.193  | ug/L  | 97       |
| 48) 2-Hexanone                | 8.676  | 43   | 229785   | 51.825 | ug/L  | 99       |
| 49) Dibromochloromethane      | 8.801  | 129  | 48947    | 4.951  | ug/L  | 97       |
| 50) 1,2-Dibromoethane         | 8.914  | 107  | 44243    | 4.975  | ug/L  | 99       |
| 51) Chlorobenzene             | 9.438  | 112  | 168105   | 4.758  | ug/L  | 100      |
| 52) Ethylbenzene              | 9.560  | 91   | 272253   | 4.656  | ug/L  | 99       |
| 53) m,p-Xylene                | 9.685  | 106  | 103284   | 4.617  | ug/L  | 98       |
| 54) o-Xylene                  | 10.090 | 106  | 102779   | 4.727  | ug/L  | 98       |
| 55) Styrene                   | 10.106 | 104  | 108952   | 3.147  | ug/L  | 96       |
| 57) 1,1,2,2-Tetrachloroethane | 10.772 | 83   | 57602    | 5.021  | ug/L  | 96       |
| 59) Bromoform                 | 10.283 | 173  | 25710    | 4.793  | ug/L  | 98       |
| 60) Isopropylbenzene          | 10.476 | 105  | 269729   | 4.799  | ug/L  | 98       |
| 61) 1,2,3-Trichloropropane    | 10.814 | 75   | 38461    | 5.037  | ug/L  | 98       |
| 62) 1,3,5-Trimethylbenzene    | 11.077 | 105  | 208273   | 4.628  | ug/L  | 98       |
| 63) 1,2,4-Trimethylbenzene    | 11.457 | 105  | 207777   | 4.743  | ug/L  | 98       |
| 64) 1,3-Dichlorobenzene       | 11.737 | 146  | 121555   | 4.716  | ug/L  | 100      |
| 65) 1,4-Dichlorobenzene       | 11.827 | 146  | 120787   | 4.615  | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 12.203 | 146  | 115663   | 4.825  | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.987 | 75   | 6941     | 5.206  | ug/L  | 94       |
| 69) 1,3,5-Trichlorobenzene    | 13.209 | 180  | 80994    | 4.500  | ug/L  | 98       |
| 70) 1,2,4-trichlorobenzene    | 13.830 | 180  | 68105    | 4.883  | ug/L  | 99       |
| 71) Naphthalene               | 14.081 | 128  | 111522   | 5.569  | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 14.318 | 180  | 60579    | 5.174  | ug/L  | 99       |

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

