

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\U061124\  
 Data File : VU059207.D  
 Acq On : 11 Jun 2024 08:44  
 Operator : MD/SY  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005110

Quant Time: Jun 12 04:21:58 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR051424WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu May 23 06:11:29 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.245  | 114   | 202962   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.412  | 117   | 198577   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.807 | 152   | 99129    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.595  | 65    | 45156    | 3.673    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 73.400%  |
| 7) Chloroethane-d5            | 1.911  | 69    | 45310    | 4.077    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 81.600%  |
| 11) 1,1-Dichloroethene-d2     | 2.560  | 65    | 19553    | 3.903    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 78.000%  |
| 20) 2-Butanone-d5             | 4.634  | 46    | 151964   | 47.542   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 95.080%  |
| 24) Chloroform-d              | 5.055  | 84    | 117266   | 4.723    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 94.400%  |
| 26) 1,2-Dichloroethane-d4     | 5.695  | 65    | 58332    | 4.572    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 91.400%  |
| 32) Benzene-d6                | 5.721  | 84    | 216181   | 4.743    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 94.800%  |
| 36) 1,2-Dichloropropane-d6    | 6.685  | 67    | 72274    | 4.759    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 95.200%  |
| 41) Toluene-d8                | 7.894  | 98    | 188289   | 4.538    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 90.800%  |
| 43) trans-1,3-Dichloroprop... | 8.177  | 79    | 23469    | 4.503    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 90.000%  |
| 46) 2-Hexanone-d5             | 8.627  | 63    | 115285   | 46.091   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 92.180%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.749 | 84    | 64919    | 4.949    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 99.000%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.187 | 152   | 69701    | 4.675    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 93.600%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.380  | 85    | 69246    | 4.663    | ug/L   | 97       |
| 3) Chloromethane              | 1.515  | 50    | 77523    | 4.484    | ug/L   | 98       |
| 5) Vinyl chloride             | 1.599  | 62    | 87991    | 4.750    | ug/L   | 99       |
| 6) Bromomethane               | 1.856  | 94    | 53906    | 4.671    | ug/L   | 93       |
| 8) Chloroethane               | 1.930  | 64    | 53986    | 4.586    | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 2.136  | 101   | 110858   | 4.666    | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.576  | 101   | 71505    | 4.967    | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 2.573  | 96    | 63801    | 5.046    | ug/L   | 92       |
| 13) Acetone                   | 2.647  | 43    | 108793   | 49.244   | ug/L   | 98       |
| 14) Carbon disulfide          | 2.788  | 76    | 175774   | 4.387    | ug/L   | 99       |
| 15) Methyl Acetate            | 2.959  | 43    | 22504    | 4.098    | ug/L   | # 89     |
| 16) Methylene chloride        | 3.036  | 84    | 76117    | 4.437    | ug/L   | 97       |
| 17) Methyl tert-butyl Ether   | 3.354  | 73    | 158715   | 4.829    | ug/L   | 99       |
| 18) trans-1,2-Dichloroethene  | 3.348  | 96    | 66976    | 5.031    | ug/L   | 93       |
| 19) 1,1-Dichloroethane        | 3.862  | 63    | 136262   | 4.896    | ug/L   | 99       |
| 21) 2-Butanone                | 4.711  | 43    | 161458   | 45.566   | ug/L   | 93       |
| 22) cis-1,2-Dichloroethene    | 4.660  | 96    | 77345    | 5.046    | ug/L   | 97       |
| 23) Bromochloromethane        | 4.968  | 128   | 34596    | 5.111    | ug/L   | 96       |
| 25) Chloroform                | 5.081  | 83    | 140057   | 4.816    | ug/L   | 98       |

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 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005110

Quant Time: Jun 12 04:21:58 2024  
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 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu May 23 06:11:29 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 5.785  | 62   | 83256    | 4.686  | ug/L   | 99       |
| 29) 1,1,1-Trichloroethane     | 5.309  | 97   | 110409   | 4.973  | ug/L   | 99       |
| 30) Cyclohexane               | 5.380  | 56   | 100345   | 4.780  | ug/L   | 99       |
| 31) Carbon tetrachloride      | 5.518  | 117  | 91437    | 4.937  | ug/L   | 97       |
| 33) Benzene                   | 5.769  | 78   | 297900   | 5.104  | ug/L   | 100      |
| 34) Trichloroethene           | 6.537  | 95   | 78209    | 5.065  | ug/L   | 98       |
| 35) Methylcyclohexane         | 6.756  | 83   | 110733   | 5.027  | ug/L   | 97       |
| 37) 1,2-Dichloropropane       | 6.785  | 63   | 79522    | 4.800  | ug/L # | 98       |
| 38) Bromodichloromethane      | 7.100  | 83   | 96464    | 4.857  | ug/L   | 96       |
| 39) cis-1,3-Dichloropropene   | 7.602  | 75   | 110224   | 4.881  | ug/L   | 100      |
| 40) 4-Methyl-2-pentanone      | 7.785  | 43   | 408313   | 47.680 | ug/L   | 97       |
| 42) Toluene                   | 7.965  | 91   | 322636   | 5.300  | ug/L   | 100      |
| 44) trans-1,3-Dichloropropene | 8.206  | 75   | 89757    | 4.871  | ug/L   | 99       |
| 45) 1,1,2-Trichloroethane     | 8.393  | 97   | 59001    | 5.062  | ug/L   | 98       |
| 47) Tetrachloroethene         | 8.547  | 164  | 57711    | 5.247  | ug/L   | 96       |
| 48) 2-Hexanone                | 8.679  | 43   | 302702   | 49.050 | ug/L   | 97       |
| 49) Dibromochloromethane      | 8.804  | 129  | 63912    | 5.200  | ug/L   | 100      |
| 50) 1,2-Dibromoethane         | 8.920  | 107  | 51163    | 4.967  | ug/L   | 99       |
| 51) Chlorobenzene             | 9.441  | 112  | 200862   | 5.177  | ug/L   | 99       |
| 52) Ethylbenzene              | 9.563  | 91   | 337306   | 5.132  | ug/L   | 99       |
| 53) m,p-Xylene                | 9.688  | 106  | 126940   | 5.277  | ug/L   | 100      |
| 54) o-Xylene                  | 10.093 | 106  | 122901   | 5.224  | ug/L   | 97       |
| 55) Styrene                   | 10.110 | 104  | 210351   | 5.315  | ug/L   | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 10.775 | 83   | 70659    | 4.782  | ug/L   | 97       |
| 59) Bromoform                 | 10.286 | 173  | 37185    | 5.134  | ug/L   | 97       |
| 60) Isopropylbenzene          | 10.479 | 105  | 331220   | 5.219  | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 10.817 | 75   | 50222    | 4.920  | ug/L   | 98       |
| 62) 1,3,5-Trimethylbenzene    | 11.084 | 105  | 262010   | 5.180  | ug/L   | 100      |
| 63) 1,2,4-Trimethylbenzene    | 11.463 | 105  | 257253   | 5.129  | ug/L   | 100      |
| 64) 1,3-Dichlorobenzene       | 11.740 | 146  | 157341   | 5.096  | ug/L   | 98       |
| 65) 1,4-Dichlorobenzene       | 11.830 | 146  | 156443   | 5.076  | ug/L   | 99       |
| 67) 1,2-Dichlorobenzene       | 12.206 | 146  | 148565   | 5.148  | ug/L   | 97       |
| 68) 1,2-Dibromo-3-chloropr... | 12.990 | 75   | 9386     | 4.571  | ug/L   | 93       |
| 69) 1,3,5-Trichlorobenzene    | 13.212 | 180  | 114900   | 4.963  | ug/L   | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.836 | 180  | 87796    | 4.595  | ug/L   | 100      |
| 71) Naphthalene               | 14.084 | 128  | 119560   | 4.152  | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 14.325 | 180  | 78340    | 4.672  | ug/L   | 99       |

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

