

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU031924\  
 Data File : VU058152.D  
 Acq On : 19 Mar 2024 12:35  
 Operator : MD/SY  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005159

Quant Time: Mar 20 05:17:43 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR022924WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Mar 14 04:37:22 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.242  | 114   | 139501   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.412  | 117   | 130389   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.807 | 152   | 60660    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.592  | 65    | 42946    | 4.279    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 85.600%  |
| 7) Chloroethane-d5            | 1.904  | 69    | 37472    | 4.542    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 90.800%  |
| 11) 1,1-Dichloroethene-d2     | 2.560  | 65    | 20182    | 4.647    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 93.000%  |
| 20) 2-Butanone-d5             | 4.618  | 46    | 80173    | 48.480   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 96.960%  |
| 24) Chloroform-d              | 5.052  | 84    | 90520    | 4.768    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 95.400%  |
| 26) 1,2-Dichloroethane-d4     | 5.692  | 65    | 41018    | 4.769    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 95.400%  |
| 32) Benzene-d6                | 5.717  | 84    | 174957   | 4.604    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 92.000%  |
| 36) 1,2-Dichloropropane-d6    | 6.682  | 67    | 54245    | 4.696    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 94.000%  |
| 41) Toluene-d8                | 7.891  | 98    | 154566   | 4.489    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 89.800%  |
| 43) trans-1,3-Dichloroprop... | 8.174  | 79    | 15977    | 4.022    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 80.400%  |
| 46) 2-Hexanone-d5             | 8.627  | 63    | 62449    | 46.824   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 93.640%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.749 | 84    | 33820    | 4.774    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 95.400%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.187 | 152   | 44801    | 4.485    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 89.600%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.377  | 85    | 37088    | 4.388    | ug/L   | 100      |
| 3) Chloromethane              | 1.515  | 50    | 45159    | 4.569    | ug/L   | 97       |
| 5) Vinyl chloride             | 1.599  | 62    | 50389    | 4.740    | ug/L   | 97       |
| 6) Bromomethane               | 1.853  | 94    | 26755    | 4.778    | ug/L   | 100      |
| 8) Chloroethane               | 1.927  | 64    | 33211    | 4.961    | ug/L   | 97       |
| 9) Trichlorofluoromethane     | 2.132  | 101   | 76162    | 5.029    | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.573  | 101   | 48950    | 5.170    | ug/L   | 98       |
| 12) 1,1-Dichloroethene        | 2.573  | 96    | 40515    | 4.813    | ug/L   | 93       |
| 13) Acetone                   | 2.627  | 43    | 56119    | 45.599   | ug/L   | 97       |
| 14) Carbon disulfide          | 2.788  | 76    | 105064   | 4.037    | ug/L   | 99       |
| 15) Methyl Acetate            | 2.946  | 43    | 14333    | 5.248    | ug/L   | 97       |
| 16) Methylene chloride        | 3.036  | 84    | 48543    | 4.745    | ug/L   | 98       |
| 17) Methyl tert-butyl Ether   | 3.348  | 73    | 100908   | 5.069    | ug/L   | 98       |
| 18) trans-1,2-Dichloroethene  | 3.345  | 96    | 43105    | 4.702    | ug/L   | 98       |
| 19) 1,1-Dichloroethane        | 3.856  | 63    | 95189    | 5.205    | ug/L   | 99       |
| 21) 2-Butanone                | 4.698  | 43    | 94927    | 48.951   | ug/L   | 100      |
| 22) cis-1,2-Dichloroethene    | 4.656  | 96    | 51740    | 5.130    | ug/L   | 98       |
| 23) Bromochloromethane        | 4.968  | 128   | 19774    | 5.280    | ug/L   | 98       |
| 25) Chloroform                | 5.078  | 83    | 100355   | 5.375    | ug/L   | 98       |

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 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005159

Quant Time: Mar 20 05:17:43 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR022924WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Mar 14 04:37:22 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.785  | 62   | 54059    | 5.230  | ug/L  | 99       |
| 29) 1,1,1-Trichloroethane     | 5.306  | 97   | 79977    | 5.153  | ug/L  | 99       |
| 30) Cyclohexane               | 5.380  | 56   | 71905    | 4.588  | ug/L  | 99       |
| 31) Carbon tetrachloride      | 5.515  | 117  | 67572    | 5.011  | ug/L  | 100      |
| 33) Benzene                   | 5.766  | 78   | 205730   | 5.142  | ug/L  | 100      |
| 34) Trichloroethene           | 6.534  | 95   | 52128    | 4.952  | ug/L  | 98       |
| 35) Methylcyclohexane         | 6.756  | 83   | 74570    | 4.621  | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 6.782  | 63   | 54550    | 5.287  | ug/L  | 100      |
| 38) Bromodichloromethane      | 7.097  | 83   | 63954    | 5.109  | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 7.602  | 75   | 69331    | 4.877  | ug/L  | 100      |
| 40) 4-Methyl-2-pentanone      | 7.782  | 43   | 246725   | 51.984 | ug/L  | 99       |
| 42) Toluene                   | 7.962  | 91   | 214728   | 5.153  | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 8.206  | 75   | 54282    | 4.792  | ug/L  | 97       |
| 45) 1,1,2-Trichloroethane     | 8.393  | 97   | 32760    | 5.355  | ug/L  | 97       |
| 47) Tetrachloroethene         | 8.547  | 164  | 35756    | 4.896  | ug/L  | 98       |
| 48) 2-Hexanone                | 8.679  | 43   | 171417   | 49.248 | ug/L  | 99       |
| 49) Dibromochloromethane      | 8.801  | 129  | 37510    | 5.180  | ug/L  | 97       |
| 50) 1,2-Dibromoethane         | 8.917  | 107  | 28889    | 5.321  | ug/L  | 98       |
| 51) Chlorobenzene             | 9.441  | 112  | 131036   | 5.015  | ug/L  | 98       |
| 52) Ethylbenzene              | 9.563  | 91   | 233093   | 4.999  | ug/L  | 99       |
| 53) m,p-Xylene                | 9.688  | 106  | 84560    | 5.076  | ug/L  | 98       |
| 54) o-Xylene                  | 10.093 | 106  | 84124    | 5.067  | ug/L  | 99       |
| 55) Styrene                   | 10.110 | 104  | 133249   | 5.113  | ug/L  | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 10.775 | 83   | 37060    | 5.142  | ug/L  | 94       |
| 59) Bromoform                 | 10.283 | 173  | 18723    | 5.534  | ug/L  | 97       |
| 60) Isopropylbenzene          | 10.476 | 105  | 218007   | 5.396  | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 10.817 | 75   | 27600    | 5.555  | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 11.081 | 105  | 180174   | 5.288  | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 11.463 | 105  | 177822   | 5.288  | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.740 | 146  | 96458    | 5.253  | ug/L  | 98       |
| 65) 1,4-Dichlorobenzene       | 11.830 | 146  | 90704    | 5.046  | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 12.206 | 146  | 84479    | 5.269  | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.990 | 75   | 4993     | 5.065  | ug/L  | 97       |
| 69) 1,3,5-Trichlorobenzene    | 13.216 | 180  | 65996    | 4.996  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.836 | 180  | 45659    | 4.601  | ug/L  | 97       |
| 71) Naphthalene               | 14.084 | 128  | 53523    | 3.949  | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 14.325 | 180  | 36654    | 4.675  | ug/L  | 98       |

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

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ALS Vial : 2 Sample Multiplier: 1

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