

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU121724\  
 Data File : VU062375.D  
 Acq On : 17 Dec 2024 09:03  
 Operator : MD/SY  
 Sample : VSTDCCC005  
 Misc : 25mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005191

Quant Time: Dec 18 00:04:04 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR120924WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Dec 17 01:28:58 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.242  | 114   | 107137   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.412  | 117   | 102051   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.804 | 152   | 53168    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.595  | 65    | 31433    | 4.350    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 87.000%  |
| 7) Chloroethane-d5            | 1.911  | 69    | 24501    | 4.767    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 95.400%  |
| 11) 1,1-Dichloroethene-d2     | 2.560  | 65    | 15823    | 4.603    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 92.000%  |
| 20) 2-Butanone-d5             | 4.624  | 46    | 63145    | 45.594   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 91.180%  |
| 24) Chloroform-d              | 5.052  | 84    | 74469    | 4.761    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 95.200%  |
| 26) 1,2-Dichloroethane-d4     | 5.695  | 65    | 37215    | 4.839    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 96.800%  |
| 32) Benzene-d6                | 5.717  | 84    | 133207   | 4.532    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 90.600%  |
| 36) 1,2-Dichloropropane-d6    | 6.682  | 67    | 37471    | 4.456    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 89.200%  |
| 41) Toluene-d8                | 7.891  | 98    | 126716   | 4.564    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 91.200%  |
| 43) trans-1,3-Dichloroprop... | 8.174  | 79    | 17351    | 4.687    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 93.800%  |
| 46) 2-Hexanone-d5             | 8.627  | 63    | 48249    | 43.204   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 86.400%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.746 | 84    | 29361    | 4.487    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 89.800%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.187 | 152   | 46236    | 4.719    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 94.400%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.383  | 85    | 48884    | 4.871    | ug/L   | 99       |
| 3) Chloromethane              | 1.515  | 50    | 34750    | 4.417    | ug/L   | 98       |
| 5) Vinyl chloride             | 1.599  | 62    | 39372    | 4.807    | ug/L   | 98       |
| 6) Bromomethane               | 1.853  | 94    | 24591    | 4.504    | ug/L   | 95       |
| 8) Chloroethane               | 1.930  | 64    | 22109    | 4.820    | ug/L   | 98       |
| 9) Trichlorofluoromethane     | 2.132  | 101   | 75034    | 5.278    | ug/L   | 97       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.573  | 101   | 39741    | 5.136    | ug/L   | 91       |
| 12) 1,1-Dichloroethene        | 2.573  | 96    | 34853    | 4.818    | ug/L   | 88       |
| 13) Acetone                   | 2.640  | 43    | 46952    | 49.791   | ug/L   | 98       |
| 14) Carbon disulfide          | 2.785  | 76    | 100153   | 4.378    | ug/L   | 99       |
| 15) Methyl Acetate            | 2.955  | 43    | 10859    | 4.595    | ug/L   | 95       |
| 16) Methylene chloride        | 3.036  | 84    | 35957    | 4.735    | ug/L   | 89       |
| 17) Methyl tert-butyl Ether   | 3.354  | 73    | 85687    | 4.755    | ug/L   | 97       |
| 18) trans-1,2-Dichloroethene  | 3.345  | 96    | 36030    | 4.848    | ug/L   | 90       |
| 19) 1,1-Dichloroethane        | 3.859  | 63    | 65895    | 4.837    | ug/L   | 98       |
| 21) 2-Butanone                | 4.705  | 43    | 67609    | 49.370   | ug/L   | 95       |
| 22) cis-1,2-Dichloroethene    | 4.656  | 96    | 41158    | 4.940    | ug/L   | 93       |
| 23) Bromochloromethane        | 4.965  | 128   | 18590    | 5.091    | ug/L   | # 83     |
| 25) Chloroform                | 5.078  | 83    | 78626    | 5.124    | ug/L   | 99       |

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 Sample : VSTDCCC005  
 Misc : 25mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005191

Quant Time: Dec 18 00:04:04 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR120924WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Dec 17 01:28:58 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 5.785  | 62   | 48763    | 5.000  | ug/L   | 97       |
| 29) 1,1,1-Trichloroethane     | 5.306  | 97   | 75099    | 5.231  | ug/L   | 95       |
| 30) Cyclohexane               | 5.377  | 56   | 52649    | 4.523  | ug/L   | 89       |
| 31) Carbon tetrachloride      | 5.515  | 117  | 68220    | 5.182  | ug/L   | 100      |
| 33) Benzene                   | 5.766  | 78   | 152194   | 4.812  | ug/L   | 100      |
| 34) Trichloroethene           | 6.534  | 95   | 43427    | 4.848  | ug/L   | 96       |
| 35) Methylcyclohexane         | 6.753  | 83   | 64435    | 4.851  | ug/L   | 96       |
| 37) 1,2-Dichloropropane       | 6.782  | 63   | 38114    | 4.949  | ug/L   | 99       |
| 38) Bromodichloromethane      | 7.097  | 83   | 53340    | 4.909  | ug/L   | 94       |
| 39) cis-1,3-Dichloropropene   | 7.598  | 75   | 58889    | 4.770  | ug/L   | 100      |
| 40) 4-Methyl-2-pentanone      | 7.782  | 43   | 166851   | 46.226 | ug/L # | 91       |
| 42) Toluene                   | 7.962  | 91   | 168630   | 4.945  | ug/L   | 97       |
| 44) trans-1,3-Dichloropropene | 8.203  | 75   | 49683    | 4.929  | ug/L   | 99       |
| 45) 1,1,2-Trichloroethane     | 8.393  | 97   | 28293    | 4.866  | ug/L   | 98       |
| 47) Tetrachloroethene         | 8.547  | 164  | 35480    | 5.130  | ug/L   | 97       |
| 48) 2-Hexanone                | 8.676  | 43   | 122447   | 45.903 | ug/L # | 90       |
| 49) Dibromochloromethane      | 8.801  | 129  | 36562    | 5.205  | ug/L   | 97       |
| 50) 1,2-Dibromoethane         | 8.917  | 107  | 27378    | 4.901  | ug/L # | 100      |
| 51) Chlorobenzene             | 9.441  | 112  | 108178   | 4.951  | ug/L   | 98       |
| 52) Ethylbenzene              | 9.563  | 91   | 189807   | 4.964  | ug/L   | 99       |
| 53) m,p-Xylene                | 9.688  | 106  | 72263    | 5.119  | ug/L   | 97       |
| 54) o-Xylene                  | 10.093 | 106  | 68716    | 5.005  | ug/L   | 98       |
| 55) Styrene                   | 10.106 | 104  | 114893   | 5.077  | ug/L   | 96       |
| 57) 1,1,2,2-Tetrachloroethane | 10.772 | 83   | 32434    | 4.793  | ug/L # | 94       |
| 59) Bromoform                 | 10.283 | 173  | 20887    | 4.999  | ug/L # | 96       |
| 60) Isopropylbenzene          | 10.476 | 105  | 193341   | 5.034  | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 10.814 | 75   | 23529    | 4.786  | ug/L   | 96       |
| 62) 1,3,5-Trimethylbenzene    | 11.081 | 105  | 162921   | 5.012  | ug/L   | 100      |
| 63) 1,2,4-Trimethylbenzene    | 11.460 | 105  | 159477   | 5.008  | ug/L   | 100      |
| 64) 1,3-Dichlorobenzene       | 11.740 | 146  | 89167    | 5.054  | ug/L   | 99       |
| 65) 1,4-Dichlorobenzene       | 11.830 | 146  | 86310    | 4.858  | ug/L   | 98       |
| 67) 1,2-Dichlorobenzene       | 12.203 | 146  | 80731    | 4.952  | ug/L   | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.987 | 75   | 5164     | 4.815  | ug/L # | 81       |
| 69) 1,3,5-Trichlorobenzene    | 13.212 | 180  | 67950    | 5.181  | ug/L   | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.833 | 180  | 50640    | 4.891  | ug/L   | 98       |
| 71) Naphthalene               | 14.080 | 128  | 65003    | 4.181  | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 14.322 | 180  | 42824    | 4.690  | ug/L   | 97       |

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

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 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
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