

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU111623\  
 Data File : VU056395.D  
 Acq On : 16 Nov 2023 09:10  
 Operator : MD/SY  
 Sample : VSTDCCC005  
 Misc : 25mL/MSVOA\_U/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005159

Quant Time: Nov 17 01:24:22 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR111323WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Nov 16 05:41:06 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.245  | 114   | 292160   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.412  | 117   | 272648   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.808 | 152   | 137995   | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.596  | 65    | 82036    | 3.754    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 75.000%  |
| 7) Chloroethane-d5            | 1.908  | 69    | 64141    | 3.828    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 76.600%  |
| 11) 1,1-Dichloroethene-d2     | 2.560  | 65    | 39319    | 4.077    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 81.600%  |
| 20) 2-Butanone-d5             | 4.625  | 46    | 210956   | 48.413   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 96.820%  |
| 24) Chloroform-d              | 5.056  | 84    | 200844   | 4.752    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 95.000%  |
| 26) 1,2-Dichloroethane-d4     | 5.695  | 65    | 94472    | 4.837    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 96.800%  |
| 32) Benzene-d6                | 5.721  | 84    | 382998   | 4.715    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 94.200%  |
| 36) 1,2-Dichloropropane-d6    | 6.686  | 67    | 118135   | 4.825    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 96.600%  |
| 41) Toluene-d8                | 7.895  | 98    | 325607   | 4.539    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 90.800%  |
| 43) trans-1,3-Dichloroprop... | 8.178  | 79    | 44172    | 4.704    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 94.000%  |
| 46) 2-Hexanone-d5             | 8.634  | 63    | 194720   | 52.771   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 105.540% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.753 | 84    | 88995    | 5.087    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 101.800% |
| 66) 1,2-Dichlorobenzene-d4    | 12.190 | 152   | 117440   | 4.607    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 92.200%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.384  | 85    | 121652   | 5.255    | ug/L   | 99       |
| 3) Chloromethane              | 1.519  | 50    | 115460   | 4.881    | ug/L   | 99       |
| 5) Vinyl chloride             | 1.602  | 62    | 109795   | 4.817    | ug/L   | 95       |
| 6) Bromomethane               | 1.856  | 94    | 56615    | 4.908    | ug/L   | 95       |
| 8) Chloroethane               | 1.930  | 64    | 65247    | 4.686    | ug/L   | 98       |
| 9) Trichlorofluoromethane     | 2.133  | 101   | 184772   | 5.626    | ug/L   | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.577  | 101   | 109309   | 5.606    | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 2.573  | 96    | 94627    | 5.291    | ug/L   | 96       |
| 13) Acetone                   | 2.631  | 43    | 184040   | 49.590   | ug/L   | 99       |
| 14) Carbon disulfide          | 2.789  | 76    | 278285   | 4.782    | ug/L   | 98       |
| 15) Methyl Acetate            | 2.950  | 43    | 32680    | 4.948    | ug/L   | 98       |
| 16) Methylene chloride        | 3.040  | 84    | 105276   | 4.448    | ug/L   | 96       |
| 17) Methyl tert-butyl Ether   | 3.355  | 73    | 229264   | 5.276    | ug/L   | 98       |
| 18) trans-1,2-Dichloroethene  | 3.348  | 96    | 96488    | 5.244    | ug/L   | 96       |
| 19) 1,1-Dichloroethane        | 3.863  | 63    | 194786   | 5.344    | ug/L   | 97       |
| 21) 2-Butanone                | 4.702  | 43    | 235226   | 48.846   | ug/L   | 95       |
| 22) cis-1,2-Dichloroethene    | 4.660  | 96    | 108321   | 5.191    | ug/L   | 98       |
| 23) Bromochloromethane        | 4.969  | 128   | 48869    | 5.689    | ug/L   | 94       |
| 25) Chloroform                | 5.081  | 83    | 219914   | 5.569    | ug/L   | 96       |

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

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005159

Quant Time: Nov 17 01:24:22 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR111323WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Nov 16 05:41:06 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.789  | 62   | 123512   | 5.508  | ug/L  | 96       |
| 29) 1,1,1-Trichloroethane     | 5.310  | 97   | 187586   | 5.994  | ug/L  | 100      |
| 30) Cyclohexane               | 5.383  | 56   | 164242   | 5.529  | ug/L  | 100      |
| 31) Carbon tetrachloride      | 5.519  | 117  | 159132   | 5.920  | ug/L  | 95       |
| 33) Benzene                   | 5.769  | 78   | 451543   | 5.804  | ug/L  | 100      |
| 34) Trichloroethene           | 6.538  | 95   | 120735   | 5.696  | ug/L  | 96       |
| 35) Methylcyclohexane         | 6.760  | 83   | 174799   | 5.712  | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 6.785  | 63   | 117984   | 5.816  | ug/L  | 99       |
| 38) Bromodichloromethane      | 7.100  | 83   | 146811   | 5.605  | ug/L  | 100      |
| 39) cis-1,3-Dichloropropene   | 7.602  | 75   | 164874   | 5.531  | ug/L  | 100      |
| 40) 4-Methyl-2-pentanone      | 7.789  | 43   | 553713   | 55.059 | ug/L  | 98       |
| 42) Toluene                   | 7.965  | 91   | 451744   | 5.609  | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 8.207  | 75   | 129795   | 5.462  | ug/L  | 98       |
| 45) 1,1,2-Trichloroethane     | 8.393  | 97   | 76922    | 5.693  | ug/L  | 94       |
| 47) Tetrachloroethene         | 8.547  | 164  | 80721    | 5.648  | ug/L  | 99       |
| 48) 2-Hexanone                | 8.686  | 43   | 435899   | 55.637 | ug/L  | 99       |
| 49) Dibromochloromethane      | 8.805  | 129  | 84708    | 5.513  | ug/L  | 96       |
| 50) 1,2-Dibromoethane         | 8.920  | 107  | 69793    | 5.472  | ug/L  | 97       |
| 51) Chlorobenzene             | 9.444  | 112  | 283111   | 5.470  | ug/L  | 99       |
| 52) Ethylbenzene              | 9.567  | 91   | 507923   | 5.679  | ug/L  | 100      |
| 53) m,p-Xylene                | 9.689  | 106  | 190173   | 5.784  | ug/L  | 98       |
| 54) o-Xylene                  | 10.097 | 106  | 183608   | 5.749  | ug/L  | 99       |
| 55) Styrene                   | 10.110 | 104  | 313909   | 5.909  | ug/L  | 97       |
| 57) 1,1,2,2-Tetrachloroethane | 10.779 | 83   | 96101    | 5.825  | ug/L  | 98       |
| 59) Bromoform                 | 10.290 | 173  | 48016    | 5.586  | ug/L  | 99       |
| 60) Isopropylbenzene          | 10.480 | 105  | 509588   | 5.726  | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 10.817 | 75   | 66861    | 5.647  | ug/L  | 97       |
| 62) 1,3,5-Trimethylbenzene    | 11.084 | 105  | 417279   | 5.711  | ug/L  | 98       |
| 63) 1,2,4-Trimethylbenzene    | 11.464 | 105  | 425036   | 5.893  | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.743 | 146  | 234821   | 5.801  | ug/L  | 98       |
| 65) 1,4-Dichlorobenzene       | 11.833 | 146  | 227090   | 5.592  | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 12.210 | 146  | 215375   | 5.799  | ug/L  | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 12.994 | 75   | 13197    | 5.218  | ug/L  | 94       |
| 69) 1,3,5-Trichlorobenzene    | 13.213 | 180  | 168860   | 5.540  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.837 | 180  | 125494   | 5.055  | ug/L  | 97       |
| 71) Naphthalene               | 14.081 | 128  | 179809   | 4.794  | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 14.325 | 180  | 105966   | 5.182  | ug/L  | 96       |

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

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