

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU121423\  
 Data File : VU056866.D  
 Acq On : 15 Dec 2023 08:38  
 Operator : MD/SY  
 Sample : VSTDCCC005EC  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005083

Quant Time: Dec 15 08:55:58 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR121123WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Dec 15 01:53:53 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|-------|----------|
| -----                         |        |       |          |          |       |          |
| Internal Standards            |        |       |          |          |       |          |
| 1) 1,4-Difluorobenzene        | 6.245  | 114   | 243540   | 5.000    | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 9.415  | 117   | 241060   | 5.000    | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.807 | 152   | 118455   | 5.000    | ug/L  | 0.00     |
|                               |        |       |          |          |       |          |
| System Monitoring Compounds   |        |       |          |          |       |          |
| 4) Vinyl Chloride-d3          | 1.596  | 65    | 91536    | 4.385    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =     | 87.600%  |
| 7) Chloroethane-d5            | 1.911  | 69    | 79372    | 5.081    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =     | 101.600% |
| 11) 1,1-Dichloroethene-d2     | 2.563  | 65    | 38791    | 4.343    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =     | 86.800%  |
| 20) 2-Butanone-d5             | 4.631  | 46    | 216114   | 52.422   | ug/L  | 0.01     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =     | 104.840% |
| 24) Chloroform-d              | 5.058  | 84    | 191734   | 4.850    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =     | 97.000%  |
| 26) 1,2-Dichloroethane-d4     | 5.698  | 65    | 82697    | 4.421    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =     | 88.400%  |
| 32) Benzene-d6                | 5.724  | 84    | 337727   | 4.517    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =     | 90.400%  |
| 36) 1,2-Dichloropropane-d6    | 6.685  | 67    | 108319   | 4.628    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =     | 92.600%  |
| 41) Toluene-d8                | 7.894  | 98    | 279967   | 4.189    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =     | 83.800%  |
| 43) trans-1,3-Dichloroprop... | 8.177  | 79    | 38934    | 4.290    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =     | 85.800%  |
| 46) 2-Hexanone-d5             | 8.631  | 63    | 169743   | 49.589   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =     | 99.180%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.750 | 84    | 82643    | 4.881    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =     | 97.600%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.190 | 152   | 97060    | 4.168    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =     | 83.400%  |
|                               |        |       |          |          |       |          |
| Target Compounds              |        |       |          |          |       | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.383  | 85    | 141122   | 5.530    | ug/L  | 98       |
| 3) Chloromethane              | 1.518  | 50    | 145384   | 5.794    | ug/L  | 98       |
| 5) Vinyl chloride             | 1.602  | 62    | 142444   | 5.716    | ug/L  | 99       |
| 6) Bromomethane               | 1.856  | 94    | 82814    | 5.637    | ug/L  | 99       |
| 8) Chloroethane               | 1.933  | 64    | 83139    | 5.695    | ug/L  | 96       |
| 9) Trichlorofluoromethane     | 2.136  | 101   | 196453   | 5.594    | ug/L  | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.579  | 101   | 125880   | 5.844    | ug/L  | 98       |
| 12) 1,1-Dichloroethene        | 2.576  | 96    | 112754   | 5.703    | ug/L  | 91       |
| 13) Acetone                   | 2.644  | 43    | 130046   | 51.762   | ug/L  | 99       |
| 14) Carbon disulfide          | 2.788  | 76    | 372677   | 5.433    | ug/L  | 100      |
| 15) Methyl Acetate            | 2.956  | 43    | 34710    | 5.075    | ug/L  | 99       |
| 16) Methylene chloride        | 3.042  | 84    | 122419   | 5.683    | ug/L  | 100      |
| 17) Methyl tert-butyl Ether   | 3.358  | 73    | 227672   | 5.193    | ug/L  | 99       |
| 18) trans-1,2-Dichloroethene  | 3.348  | 96    | 115328   | 5.753    | ug/L  | 96       |
| 19) 1,1-Dichloroethane        | 3.862  | 63    | 220574   | 5.720    | ug/L  | 96       |
| 21) 2-Butanone                | 4.711  | 43    | 209107   | 49.355   | ug/L  | 99       |
| 22) cis-1,2-Dichloroethene    | 4.660  | 96    | 122069   | 5.597    | ug/L  | 97       |
| 23) Bromochloromethane        | 4.968  | 128   | 50236    | 5.502    | ug/L  | 97       |
| 25) Chloroform                | 5.081  | 83    | 224221   | 5.550    | ug/L  | 99       |

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 Sample : VSTDCCC005EC  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005083

Quant Time: Dec 15 08:55:58 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR121123WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Dec 15 01:53:53 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 5.788  | 62   | 121269   | 5.076  | ug/L   | 99       |
| 29) 1,1,1-Trichloroethane     | 5.309  | 97   | 196736   | 5.646  | ug/L   | 98       |
| 30) Cyclohexane               | 5.386  | 56   | 182654   | 5.585  | ug/L   | 99       |
| 31) Carbon tetrachloride      | 5.521  | 117  | 172984   | 5.712  | ug/L   | 97       |
| 33) Benzene                   | 5.769  | 78   | 487102   | 5.750  | ug/L   | 100      |
| 34) Trichloroethene           | 6.537  | 95   | 128302   | 5.521  | ug/L   | 97       |
| 35) Methylcyclohexane         | 6.759  | 83   | 189224   | 5.517  | ug/L   | 99       |
| 37) 1,2-Dichloropropane       | 6.785  | 63   | 122940   | 5.673  | ug/L   | 100      |
| 38) Bromodichloromethane      | 7.100  | 83   | 154554   | 5.592  | ug/L   | 99       |
| 39) cis-1,3-Dichloropropene   | 7.605  | 75   | 167948   | 5.317  | ug/L   | 98       |
| 40) 4-Methyl-2-pentanone      | 7.788  | 43   | 519762   | 50.509 | ug/L   | 99       |
| 42) Toluene                   | 7.965  | 91   | 505726   | 5.769  | ug/L   | 99       |
| 44) trans-1,3-Dichloropropene | 8.206  | 75   | 133782   | 5.168  | ug/L   | 99       |
| 45) 1,1,2-Trichloroethane     | 8.396  | 97   | 78323    | 5.346  | ug/L   | 97       |
| 47) Tetrachloroethene         | 8.550  | 164  | 93339    | 5.739  | ug/L   | 92       |
| 48) 2-Hexanone                | 8.682  | 43   | 381854   | 52.101 | ug/L   | 99       |
| 49) Dibromochloromethane      | 8.804  | 129  | 91959    | 5.461  | ug/L   | 100      |
| 50) 1,2-Dibromoethane         | 8.920  | 107  | 70759    | 5.204  | ug/L   | 97       |
| 51) Chlorobenzene             | 9.444  | 112  | 314859   | 5.636  | ug/L   | 99       |
| 52) Ethylbenzene              | 9.566  | 91   | 546824   | 5.655  | ug/L   | 98       |
| 53) m,p-Xylene                | 9.692  | 106  | 204817   | 5.685  | ug/L   | 94       |
| 54) o-Xylene                  | 10.097 | 106  | 193787   | 5.646  | ug/L   | 99       |
| 55) Styrene                   | 10.113 | 104  | 326276   | 5.789  | ug/L   | 97       |
| 57) 1,1,2,2-Tetrachloroethane | 10.778 | 83   | 92273    | 5.213  | ug/L # | 99       |
| 59) Bromoform                 | 10.287 | 173  | 50215    | 5.192  | ug/L   | 99       |
| 60) Isopropylbenzene          | 10.479 | 105  | 528030   | 5.642  | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 10.820 | 75   | 63111    | 4.962  | ug/L   | 98       |
| 62) 1,3,5-Trimethylbenzene    | 11.084 | 105  | 420240   | 5.494  | ug/L   | 100      |
| 63) 1,2,4-Trimethylbenzene    | 11.463 | 105  | 420285   | 5.532  | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 11.743 | 146  | 241028   | 5.444  | ug/L   | 99       |
| 65) 1,4-Dichlorobenzene       | 11.833 | 146  | 235316   | 5.398  | ug/L   | 97       |
| 67) 1,2-Dichlorobenzene       | 12.209 | 146  | 213701   | 5.299  | ug/L   | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 12.994 | 75   | 12054    | 4.747  | ug/L   | 91       |
| 69) 1,3,5-Trichlorobenzene    | 13.216 | 180  | 178456   | 5.335  | ug/L   | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.836 | 180  | 126863   | 4.789  | ug/L   | 98       |
| 71) Naphthalene               | 14.084 | 128  | 161418   | 4.164  | ug/L   | 100      |
| 72) 1,2,3-Trichlorobenzene    | 14.325 | 180  | 104794   | 4.660  | ug/L   | 100      |

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

