

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU090623\  
 Data File : VU055133.D  
 Acq On : 06 Sep 2023 10:02  
 Operator : MD/SY  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005111

Quant Time: Sep 06 20:39:59 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR090123WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Sep 06 05:03:37 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|-------|----------|
| -----                         |        |       |          |          |       |          |
| Internal Standards            |        |       |          |          |       |          |
| 1) 1,4-Difluorobenzene        | 6.248  | 114   | 194788   | 5.000    | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 9.415  | 117   | 194732   | 5.000    | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.814 | 152   | 106228   | 5.000    | ug/L  | 0.00     |
|                               |        |       |          |          |       |          |
| System Monitoring Compounds   |        |       |          |          |       |          |
| 4) Vinyl Chloride-d3          | 1.592  | 65    | 34403    | 3.768    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =     | 75.400%  |
| 7) Chloroethane-d5            | 1.898  | 69    | 54736    | 5.180    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =     | 103.600% |
| 11) 1,1-Dichloroethene-d2     | 2.560  | 65    | 22463    | 4.318    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =     | 86.400%  |
| 20) 2-Butanone-d5             | 4.628  | 46    | 141868   | 53.550   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =     | 107.100% |
| 24) Chloroform-d              | 5.062  | 84    | 112489   | 4.643    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =     | 92.800%  |
| 26) 1,2-Dichloroethane-d4     | 5.698  | 65    | 57182    | 4.718    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =     | 94.400%  |
| 32) Benzene-d6                | 5.724  | 84    | 210617   | 4.382    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =     | 87.600%  |
| 36) 1,2-Dichloropropane-d6    | 6.689  | 67    | 68529    | 4.482    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =     | 89.600%  |
| 41) Toluene-d8                | 7.897  | 98    | 193583   | 4.372    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =     | 87.400%  |
| 43) trans-1,3-Dichloroprop... | 8.180  | 79    | 19513    | 4.635    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =     | 92.600%  |
| 46) 2-Hexanone-d5             | 8.634  | 63    | 89734    | 52.498   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =     | 105.000% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.756 | 84    | 54518    | 5.071    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =     | 101.400% |
| 66) 1,2-Dichlorobenzene-d4    | 12.193 | 152   | 71017    | 4.580    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =     | 91.600%  |
|                               |        |       |          |          |       |          |
| Target Compounds              |        |       |          |          |       | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.383  | 85    | 55067    | 4.865    | ug/L  | 98       |
| 3) Chloromethane              | 1.515  | 50    | 58123    | 5.044    | ug/L  | 99       |
| 5) Vinyl chloride             | 1.599  | 62    | 59716    | 4.912    | ug/L  | 96       |
| 6) Bromomethane               | 1.849  | 94    | 39461    | 5.382    | ug/L  | 99       |
| 8) Chloroethane               | 1.917  | 64    | 43096    | 5.445    | ug/L  | 99       |
| 9) Trichlorofluoromethane     | 2.129  | 101   | 84930    | 4.804    | ug/L  | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.573  | 101   | 50392    | 4.899    | ug/L  | 99       |
| 12) 1,1-Dichloroethene        | 2.573  | 96    | 43693    | 4.852    | ug/L  | 89       |
| 13) Acetone                   | 2.631  | 43    | 98979    | 55.744   | ug/L  | 99       |
| 14) Carbon disulfide          | 2.785  | 76    | 103455   | 4.691    | ug/L  | 96       |
| 15) Methyl Acetate            | 2.952  | 43    | 20964    | 5.768    | ug/L  | 100      |
| 16) Methylene chloride        | 3.036  | 84    | 55674    | 4.046    | ug/L  | 99       |
| 17) Methyl tert-butyl Ether   | 3.361  | 73    | 124297   | 5.263    | ug/L  | 99       |
| 18) trans-1,2-Dichloroethene  | 3.348  | 96    | 44794    | 4.903    | ug/L  | 94       |
| 19) 1,1-Dichloroethane        | 3.865  | 63    | 98262    | 4.976    | ug/L  | 98       |
| 21) 2-Butanone                | 4.705  | 43    | 142045   | 54.448   | ug/L  | 98       |
| 22) cis-1,2-Dichloroethene    | 4.663  | 96    | 54969    | 4.915    | ug/L  | 96       |
| 23) Bromochloromethane        | 4.972  | 128   | 24094    | 5.238    | ug/L  | 94       |
| 25) Chloroform                | 5.084  | 83    | 103014   | 5.009    | ug/L  | 94       |

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 Operator : MD/SY  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005111

Quant Time: Sep 06 20:39:59 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR090123WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Sep 06 05:03:37 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 5.791  | 62   | 65579    | 5.225  | ug/L   | 97       |
| 29) 1,1,1-Trichloroethane     | 5.312  | 97   | 82083    | 4.873  | ug/L   | 99       |
| 30) Cyclohexane               | 5.383  | 56   | 72828    | 4.862  | ug/L   | 97       |
| 31) Carbon tetrachloride      | 5.521  | 117  | 69419    | 4.956  | ug/L   | 98       |
| 33) Benzene                   | 5.772  | 78   | 206782   | 4.989  | ug/L   | 100      |
| 34) Trichloroethene           | 6.541  | 95   | 57536    | 4.995  | ug/L   | 98       |
| 35) Methylcyclohexane         | 6.759  | 83   | 75273    | 4.658  | ug/L   | 97       |
| 37) 1,2-Dichloropropane       | 6.791  | 63   | 60195    | 5.335  | ug/L   | 98       |
| 38) Bromodichloromethane      | 7.103  | 83   | 68178    | 5.061  | ug/L   | 98       |
| 39) cis-1,3-Dichloropropene   | 7.605  | 75   | 80157    | 5.223  | ug/L   | 99       |
| 40) 4-Methyl-2-pentanone      | 7.791  | 43   | 351503   | 54.612 | ug/L   | 100      |
| 42) Toluene                   | 7.968  | 91   | 222503   | 5.036  | ug/L   | 98       |
| 44) trans-1,3-Dichloropropene | 8.209  | 75   | 61520    | 5.107  | ug/L   | 96       |
| 45) 1,1,2-Trichloroethane     | 8.399  | 97   | 41575    | 5.471  | ug/L   | 93       |
| 47) Tetrachloroethene         | 8.550  | 164  | 39707    | 4.988  | ug/L   | 93       |
| 48) 2-Hexanone                | 8.685  | 43   | 277323   | 55.008 | ug/L   | 98       |
| 49) Dibromochloromethane      | 8.807  | 129  | 41403    | 4.991  | ug/L   | 99       |
| 50) 1,2-Dibromoethane         | 8.923  | 107  | 38528    | 5.567  | ug/L # | 93       |
| 51) Chlorobenzene             | 9.447  | 112  | 143843   | 4.916  | ug/L   | 99       |
| 52) Ethylbenzene              | 9.569  | 91   | 243826   | 4.933  | ug/L   | 100      |
| 53) m,p-Xylene                | 9.695  | 106  | 89400    | 4.888  | ug/L   | 99       |
| 54) o-Xylene                  | 10.100 | 106  | 88512    | 4.918  | ug/L   | 94       |
| 55) Styrene                   | 10.113 | 104  | 148053   | 4.981  | ug/L   | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 10.782 | 83   | 52269    | 5.521  | ug/L   | 88       |
| 59) Bromoform                 | 10.290 | 173  | 22046    | 5.194  | ug/L   | 99       |
| 60) Isopropylbenzene          | 10.483 | 105  | 242945   | 4.905  | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 10.823 | 75   | 38985    | 5.530  | ug/L   | 98       |
| 62) 1,3,5-Trimethylbenzene    | 11.087 | 105  | 198570   | 4.819  | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 11.470 | 105  | 186999   | 4.604  | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 11.746 | 146  | 113716   | 4.782  | ug/L   | 99       |
| 65) 1,4-Dichlorobenzene       | 11.836 | 146  | 110678   | 4.670  | ug/L   | 99       |
| 67) 1,2-Dichlorobenzene       | 12.212 | 146  | 107309   | 4.813  | ug/L   | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.997 | 75   | 7288     | 5.367  | ug/L   | 97       |
| 69) 1,3,5-Trichlorobenzene    | 13.219 | 180  | 79446    | 4.421  | ug/L   | 98       |
| 70) 1,2,4-trichlorobenzene    | 13.839 | 180  | 63899    | 3.792  | ug/L   | 95       |
| 71) Naphthalene               | 14.087 | 128  | 112521   | 3.674  | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 14.328 | 180  | 61418    | 4.199  | ug/L   | 99       |

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

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Sample : VSTDCCC005  
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ALS Vial : 3 Sample Multiplier: 1

Instrument :  
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ClientSampleId :  
VSTD005111

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR090123WMA.M  
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