

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU091423\  
 Data File : VU055318.D  
 Acq On : 14 Sep 2023 20:07  
 Operator : MD/SY  
 Sample : VSTDCCC005EC  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005125

Quant Time: Sep 15 03:04:53 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR090123WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Sep 15 02:53:52 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.248  | 114   | 174954   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.415  | 117   | 182492   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.811 | 152   | 100814   | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.596  | 65    | 53311    | 6.502    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 130.000% |
| 7) Chloroethane-d5            | 1.907  | 69    | 54783    | 5.772    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 115.400% |
| 11) 1,1-Dichloroethene-d2     | 2.560  | 65    | 20967    | 4.488    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 89.800%  |
| 20) 2-Butanone-d5             | 4.634  | 46    | 114079   | 47.942   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 95.880%  |
| 24) Chloroform-d              | 5.058  | 84    | 102092   | 4.692    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 93.800%  |
| 26) 1,2-Dichloroethane-d4     | 5.698  | 65    | 51508    | 4.732    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 94.600%  |
| 32) Benzene-d6                | 5.724  | 84    | 199479   | 4.428    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 88.600%  |
| 36) 1,2-Dichloropropane-d6    | 6.689  | 67    | 60869    | 4.248    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 85.000%  |
| 41) Toluene-d8                | 7.898  | 98    | 181640   | 4.377    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 87.600%  |
| 43) trans-1,3-Dichloroprop... | 8.177  | 79    | 20776    | 5.266    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 105.400% |
| 46) 2-Hexanone-d5             | 8.634  | 63    | 70643    | 44.101   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 88.200%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.753 | 84    | 46469    | 4.612    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 92.200%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.190 | 152   | 62989    | 4.281    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 85.600%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.383  | 85    | 44095    | 4.337    | ug/L   | 98       |
| 3) Chloromethane              | 1.515  | 50    | 43092    | 4.164    | ug/L   | 96       |
| 5) Vinyl chloride             | 1.599  | 62    | 47513    | 4.351    | ug/L   | 99       |
| 6) Bromomethane               | 1.856  | 94    | 37623    | 5.713    | ug/L   | 99       |
| 8) Chloroethane               | 1.930  | 64    | 42750    | 6.013    | ug/L   | 98       |
| 9) Trichlorofluoromethane     | 2.133  | 101   | 87154    | 5.489    | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.576  | 101   | 45089    | 4.881    | ug/L   | 96       |
| 12) 1,1-Dichloroethene        | 2.573  | 96    | 38621    | 4.775    | ug/L   | 94       |
| 13) Acetone                   | 2.637  | 43    | 81268    | 50.958   | ug/L   | 98       |
| 14) Carbon disulfide          | 2.788  | 76    | 72982    | 3.685    | ug/L # | 94       |
| 15) Methyl Acetate            | 2.956  | 43    | 17907    | 5.486    | ug/L   | 93       |
| 16) Methylene chloride        | 3.039  | 84    | 59583    | 4.821    | ug/L   | 93       |
| 17) Methyl tert-butyl Ether   | 3.361  | 73    | 119107   | 5.615    | ug/L   | 99       |
| 18) trans-1,2-Dichloroethene  | 3.351  | 96    | 40739    | 4.964    | ug/L   | 86       |
| 19) 1,1-Dichloroethane        | 3.866  | 63    | 97045    | 5.472    | ug/L   | 97       |
| 21) 2-Butanone                | 4.711  | 43    | 137103   | 58.512   | ug/L   | 95       |
| 22) cis-1,2-Dichloroethene    | 4.663  | 96    | 56888    | 5.663    | ug/L   | 93       |
| 23) Bromochloromethane        | 4.972  | 128   | 25570    | 6.189    | ug/L   | 91       |
| 25) Chloroform                | 5.084  | 83    | 108745   | 5.887    | ug/L   | 97       |

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 Sample : VSTDCCC005EC  
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 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005125

Quant Time: Sep 15 03:04:53 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR090123WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Sep 15 02:53:52 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 5.788  | 62   | 65517    | 5.812  | ug/L   | 96       |
| 29) 1,1,1-Trichloroethane     | 5.312  | 97   | 86093    | 5.454  | ug/L   | 98       |
| 30) Cyclohexane               | 5.383  | 56   | 58902    | 4.196  | ug/L   | 95       |
| 31) Carbon tetrachloride      | 5.521  | 117  | 67726    | 5.160  | ug/L   | 99       |
| 33) Benzene                   | 5.772  | 78   | 208035   | 5.356  | ug/L   | 100      |
| 34) Trichloroethene           | 6.541  | 95   | 59520    | 5.514  | ug/L   | 96       |
| 35) Methylcyclohexane         | 6.759  | 83   | 63307    | 4.180  | ug/L   | 97       |
| 37) 1,2-Dichloropropane       | 6.788  | 63   | 59337    | 5.611  | ug/L   | 98       |
| 38) Bromodichloromethane      | 7.103  | 83   | 74629    | 5.911  | ug/L   | 97       |
| 39) cis-1,3-Dichloropropene   | 7.605  | 75   | 73074    | 5.081  | ug/L   | 97       |
| 40) 4-Methyl-2-pentanone      | 7.788  | 43   | 333400   | 55.274 | ug/L   | 95       |
| 42) Toluene                   | 7.968  | 91   | 226916   | 5.480  | ug/L   | 97       |
| 44) trans-1,3-Dichloropropene | 8.209  | 75   | 64371    | 5.702  | ug/L   | 98       |
| 45) 1,1,2-Trichloroethane     | 8.399  | 97   | 46924    | 6.588  | ug/L   | 96       |
| 47) Tetrachloroethene         | 8.550  | 164  | 38326    | 5.137  | ug/L   | 97       |
| 48) 2-Hexanone                | 8.682  | 43   | 255033   | 53.980 | ug/L   | 95       |
| 49) Dibromochloromethane      | 8.807  | 129  | 46673    | 6.003  | ug/L   | 95       |
| 50) 1,2-Dibromoethane         | 8.923  | 107  | 42982    | 6.627  | ug/L # | 85       |
| 51) Chlorobenzene             | 9.444  | 112  | 151179   | 5.513  | ug/L   | 98       |
| 52) Ethylbenzene              | 9.570  | 91   | 238884   | 5.157  | ug/L   | 97       |
| 53) m,p-Xylene                | 9.692  | 106  | 89623    | 5.229  | ug/L   | 97       |
| 54) o-Xylene                  | 10.097 | 106  | 90412    | 5.360  | ug/L   | 100      |
| 55) Styrene                   | 10.113 | 104  | 154904   | 5.561  | ug/L   | 97       |
| 57) 1,1,2,2-Tetrachloroethane | 10.778 | 83   | 53235    | 6.001  | ug/L # | 97       |
| 59) Bromoform                 | 10.290 | 173  | 24481    | 6.078  | ug/L   | 91       |
| 60) Isopropylbenzene          | 10.483 | 105  | 240411   | 5.114  | ug/L   | 98       |
| 61) 1,2,3-Trichloropropane    | 10.820 | 75   | 41284    | 6.171  | ug/L   | 96       |
| 62) 1,3,5-Trimethylbenzene    | 11.087 | 105  | 193553   | 4.949  | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 11.467 | 105  | 184167   | 4.778  | ug/L   | 98       |
| 64) 1,3-Dichlorobenzene       | 11.743 | 146  | 115919   | 5.136  | ug/L   | 99       |
| 65) 1,4-Dichlorobenzene       | 11.836 | 146  | 117142   | 5.208  | ug/L   | 99       |
| 67) 1,2-Dichlorobenzene       | 12.209 | 146  | 111667   | 5.278  | ug/L   | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 12.994 | 75   | 6716     | 5.211  | ug/L   | 91       |
| 69) 1,3,5-Trichlorobenzene    | 13.219 | 180  | 77568    | 4.548  | ug/L   | 98       |
| 70) 1,2,4-trichlorobenzene    | 13.839 | 180  | 57746    | 3.611  | ug/L   | 97       |
| 71) Naphthalene               | 14.087 | 128  | 93546    | 3.218  | ug/L   | 98       |
| 72) 1,2,3-Trichlorobenzene    | 14.328 | 180  | 52676    | 3.795  | ug/L   | 97       |

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

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ALS Vial : 20 Sample Multiplier: 1

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ClientSampleId :  
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