

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\U092424\  
 Data File : VU060988.D  
 Acq On : 24 Sep 2024 10:40  
 Operator : MD/SY  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005089

Quant Time: Sep 25 04:44:24 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR091624WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Sep 24 06:06:45 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.241  | 114   | 126546   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.412  | 117   | 126654   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.804 | 152   | 61986    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.595  | 65    | 44068    | 3.872    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 77.400%  |
| 7) Chloroethane-d5            | 1.910  | 69    | 34457    | 4.252    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 85.000%  |
| 11) 1,1-Dichloroethene-d2     | 2.560  | 65    | 15801    | 3.917    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 78.400%  |
| 20) 2-Butanone-d5             | 4.637  | 46    | 88495    | 48.431   | ug/L   | 0.02     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 96.860%  |
| 24) Chloroform-d              | 5.055  | 84    | 77704    | 4.466    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 89.400%  |
| 26) 1,2-Dichloroethane-d4     | 5.695  | 65    | 38241    | 4.598    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 92.000%  |
| 32) Benzene-d6                | 5.721  | 84    | 146654   | 4.320    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 86.400%  |
| 36) 1,2-Dichloropropane-d6    | 6.682  | 67    | 48271    | 4.596    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 92.000%  |
| 41) Toluene-d8                | 7.891  | 98    | 130859   | 4.228    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 84.600%  |
| 43) trans-1,3-Dichloroprop... | 8.174  | 79    | 15681    | 4.148    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 83.000%  |
| 46) 2-Hexanone-d5             | 8.627  | 63    | 69985    | 46.927   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 93.860%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.746 | 84    | 38411    | 4.668    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 93.400%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.187 | 152   | 44449    | 4.268    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 85.400%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.383  | 85    | 49877    | 5.222    | ug/L   | 99       |
| 3) Chloromethane              | 1.518  | 50    | 56640    | 5.613    | ug/L   | 99       |
| 5) Vinyl chloride             | 1.602  | 62    | 61984    | 5.676    | ug/L   | 99       |
| 6) Bromomethane               | 1.856  | 94    | 33532    | 4.805    | ug/L   | 95       |
| 8) Chloroethane               | 1.930  | 64    | 38108    | 5.711    | ug/L   | 96       |
| 9) Trichlorofluoromethane     | 2.136  | 101   | 90180    | 6.012    | ug/L   | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.576  | 101   | 47059    | 5.399    | ug/L   | 98       |
| 12) 1,1-Dichloroethene        | 2.576  | 96    | 41441    | 5.206    | ug/L   | 87       |
| 13) Acetone                   | 2.660  | 43    | 69089    | 56.675   | ug/L   | 93       |
| 14) Carbon disulfide          | 2.788  | 76    | 109800   | 4.972    | ug/L   | 99       |
| 15) Methyl Acetate            | 2.962  | 43    | 16998    | 5.719    | ug/L   | 99       |
| 16) Methylene chloride        | 3.039  | 84    | 54282    | 5.889    | ug/L   | 96       |
| 17) Methyl tert-butyl Ether   | 3.357  | 73    | 102634   | 5.705    | ug/L   | 99       |
| 18) trans-1,2-Dichloroethene  | 3.348  | 96    | 42904    | 5.202    | ug/L   | 95       |
| 19) 1,1-Dichloroethane        | 3.859  | 63    | 95457    | 5.764    | ug/L   | 97       |
| 21) 2-Butanone                | 4.717  | 43    | 113749   | 57.322   | ug/L   | 96       |
| 22) cis-1,2-Dichloroethene    | 4.660  | 96    | 51115    | 5.599    | ug/L   | 97       |
| 23) Bromochloromethane        | 4.968  | 128   | 24257    | 5.626    | ug/L   | 96       |
| 25) Chloroform                | 5.081  | 83    | 100527   | 5.822    | ug/L   | 99       |

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 Sample : VSTDCCC005  
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 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005089

Quant Time: Sep 25 04:44:24 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR091624WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Sep 24 06:06:45 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 5.788  | 62   | 57499    | 5.746  | ug/L   | 99       |
| 29) 1,1,1-Trichloroethane     | 5.306  | 97   | 82101    | 6.004  | ug/L   | 99       |
| 30) Cyclohexane               | 5.380  | 56   | 58694    | 5.222  | ug/L   | 99       |
| 31) Carbon tetrachloride      | 5.515  | 117  | 73310    | 6.056  | ug/L   | 98       |
| 33) Benzene                   | 5.766  | 78   | 198598   | 5.702  | ug/L   | 100      |
| 34) Trichloroethene           | 6.534  | 95   | 51180    | 5.606  | ug/L   | 98       |
| 35) Methylcyclohexane         | 6.756  | 83   | 61855    | 4.938  | ug/L   | 99       |
| 37) 1,2-Dichloropropane       | 6.782  | 63   | 57250    | 5.966  | ug/L # | 98       |
| 38) Bromodichloromethane      | 7.097  | 83   | 70214    | 5.965  | ug/L   | 97       |
| 39) cis-1,3-Dichloropropene   | 7.602  | 75   | 68069    | 5.333  | ug/L   | 94       |
| 40) 4-Methyl-2-pentanone      | 7.785  | 43   | 276806   | 61.771 | ug/L   | 99       |
| 42) Toluene                   | 7.962  | 91   | 216106   | 5.935  | ug/L   | 97       |
| 44) trans-1,3-Dichloropropene | 8.203  | 75   | 59049    | 5.626  | ug/L   | 95       |
| 45) 1,1,2-Trichloroethane     | 8.389  | 97   | 41447    | 5.982  | ug/L   | 97       |
| 47) Tetrachloroethene         | 8.547  | 164  | 37880    | 5.221  | ug/L   | 99       |
| 48) 2-Hexanone                | 8.679  | 43   | 199267   | 61.006 | ug/L   | 99       |
| 49) Dibromochloromethane      | 8.804  | 129  | 46771    | 5.930  | ug/L   | 95       |
| 50) 1,2-Dibromoethane         | 8.917  | 107  | 36444    | 5.894  | ug/L   | 98       |
| 51) Chlorobenzene             | 9.441  | 112  | 133021   | 5.440  | ug/L   | 98       |
| 52) Ethylbenzene              | 9.563  | 91   | 209496   | 5.465  | ug/L   | 99       |
| 53) m,p-Xylene                | 9.688  | 106  | 80739    | 5.555  | ug/L   | 97       |
| 54) o-Xylene                  | 10.093 | 106  | 77697    | 5.417  | ug/L   | 97       |
| 55) Styrene                   | 10.106 | 104  | 136489   | 5.646  | ug/L   | 96       |
| 57) 1,1,2,2-Tetrachloroethane | 10.772 | 83   | 51288    | 5.935  | ug/L   | 98       |
| 59) Bromoform                 | 10.283 | 173  | 27998    | 5.993  | ug/L   | 98       |
| 60) Isopropylbenzene          | 10.476 | 105  | 204034   | 5.554  | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 10.814 | 75   | 34269    | 5.927  | ug/L   | 98       |
| 62) 1,3,5-Trimethylbenzene    | 11.081 | 105  | 150801   | 5.282  | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 11.460 | 105  | 152027   | 5.389  | ug/L   | 100      |
| 64) 1,3-Dichlorobenzene       | 11.736 | 146  | 100900   | 5.463  | ug/L   | 98       |
| 65) 1,4-Dichlorobenzene       | 11.830 | 146  | 99293    | 5.201  | ug/L   | 99       |
| 67) 1,2-Dichlorobenzene       | 12.203 | 146  | 97017    | 5.555  | ug/L   | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 12.990 | 75   | 6877     | 6.092  | ug/L   | 87       |
| 69) 1,3,5-Trichlorobenzene    | 13.212 | 180  | 68199    | 4.936  | ug/L   | 98       |
| 70) 1,2,4-trichlorobenzene    | 13.833 | 180  | 48595    | 4.993  | ug/L   | 99       |
| 71) Naphthalene               | 14.084 | 128  | 61633    | 4.801  | ug/L   | 98       |
| 72) 1,2,3-Trichlorobenzene    | 14.322 | 180  | 43826    | 5.212  | ug/L   | 97       |

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

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