

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU082823\  
 Data File : VU054920.D  
 Acq On : 28 Aug 2023 12:34  
 Operator : MD/SY  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005094

Quant Time: Aug 29 04:47:14 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR082823WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Aug 29 04:38:31 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon           | Response | Conc   | Units    | Dev(Min) |
|-------------------------------|--------|----------------|----------|--------|----------|----------|
| -----                         |        |                |          |        |          |          |
| Internal Standards            |        |                |          |        |          |          |
| 1) 1,4-Difluorobenzene        | 6.248  | 114            | 203570   | 5.000  | ug/L     | 0.00     |
| 28) Chlorobenzene-d5          | 9.418  | 117            | 192234   | 5.000  | ug/L     | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.811 | 152            | 104083   | 5.000  | ug/L     | 0.00     |
| System Monitoring Compounds   |        |                |          |        |          |          |
| 4) Vinyl Chloride-d3          | 1.596  | 65             | 32247    | 5.019  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 40 - 130 | Recovery | =      | 100.400% |          |
| 7) Chloroethane-d5            | 1.908  | 69             | 39257    | 4.729  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 130 | Recovery | =      | 94.600%  |          |
| 11) 1,1-Dichloroethene-d2     | 2.563  | 65             | 18171    | 5.004  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 125 | Recovery | =      | 100.000% |          |
| 20) 2-Butanone-d5             | 4.628  | 46             | 165607   | 47.750 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000 | Range 40 - 130 | Recovery | =      | 95.500%  |          |
| 24) Chloroform-d              | 5.062  | 84             | 124017   | 5.203  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 104.000% |          |
| 26) 1,2-Dichloroethane-d4     | 5.702  | 65             | 62617    | 4.937  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 98.800%  |          |
| 32) Benzene-d6                | 5.727  | 84             | 222089   | 5.140  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 102.800% |          |
| 36) 1,2-Dichloropropane-d6    | 6.689  | 67             | 78698    | 5.178  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 140 | Recovery | =      | 103.600% |          |
| 41) Toluene-d8                | 7.898  | 98             | 214410   | 5.181  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 103.600% |          |
| 43) trans-1,3-Dichloroprop... | 8.177  | 79             | 26542    | 5.307  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 55 - 130 | Recovery | =      | 106.200% |          |
| 46) 2-Hexanone-d5             | 8.634  | 63             | 113602   | 47.855 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000 | Range 45 - 130 | Recovery | =      | 95.720%  |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.753 | 84             | 64640    | 4.960  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 120 | Recovery | =      | 99.200%  |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.193 | 152            | 87806    | 5.284  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 80 - 120 | Recovery | =      | 105.600% |          |
| Target Compounds              |        |                |          |        |          |          |
|                               |        |                |          |        | Qvalue   |          |
| 2) Dichlorodifluoromethane    | 1.383  | 85             | 63510    | 5.035  | ug/L     | 99       |
| 3) Chloromethane              | 1.518  | 50             | 64989    | 4.938  | ug/L     | 99       |
| 5) Vinyl chloride             | 1.599  | 62             | 70540    | 5.163  | ug/L     | 98       |
| 6) Bromomethane               | 1.853  | 94             | 41618    | 4.882  | ug/L     | 97       |
| 8) Chloroethane               | 1.930  | 64             | 43304    | 4.820  | ug/L     | 98       |
| 9) Trichlorofluoromethane     | 2.136  | 101            | 98254    | 5.054  | ug/L     | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.576  | 101            | 51499    | 4.876  | ug/L     | 95       |
| 12) 1,1-Dichloroethene        | 2.576  | 96             | 44604    | 4.852  | ug/L     | 98       |
| 13) Acetone                   | 2.631  | 43             | 90265    | 48.150 | ug/L     | 97       |
| 14) Carbon disulfide          | 2.789  | 76             | 128102   | 5.032  | ug/L     | 97       |
| 15) Methyl Acetate            | 2.953  | 43             | 19098    | 4.977  | ug/L     | 92       |
| 16) Methylene chloride        | 3.043  | 84             | 52613    | 3.726  | ug/L     | 98       |
| 17) Methyl tert-butyl Ether   | 3.364  | 73             | 127326   | 4.759  | ug/L     | 98       |
| 18) trans-1,2-Dichloroethene  | 3.351  | 96             | 50939    | 5.071  | ug/L     | 96       |
| 19) 1,1-Dichloroethane        | 3.866  | 63             | 104276   | 4.949  | ug/L     | 99       |
| 21) 2-Butanone                | 4.708  | 43             | 140223   | 48.814 | ug/L     | 96       |
| 22) cis-1,2-Dichloroethene    | 4.663  | 96             | 61218    | 5.112  | ug/L     | 95       |
| 23) Bromochloromethane        | 4.975  | 128            | 25236    | 4.870  | ug/L     | 97       |
| 25) Chloroform                | 5.087  | 83             | 111310   | 4.816  | ug/L     | 97       |

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 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005094

Quant Time: Aug 29 04:47:14 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR082823WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Aug 29 04:38:31 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.795  | 62   | 68527    | 4.853  | ug/L  | 99       |
| 29) 1,1,1-Trichloroethane     | 5.313  | 97   | 94657    | 4.954  | ug/L  | 100      |
| 30) Cyclohexane               | 5.386  | 56   | 88670    | 5.235  | ug/L  | 98       |
| 31) Carbon tetrachloride      | 5.522  | 117  | 81321    | 5.002  | ug/L  | 99       |
| 33) Benzene                   | 5.772  | 78   | 232510   | 5.127  | ug/L  | 100      |
| 34) Trichloroethene           | 6.541  | 95   | 64142    | 5.104  | ug/L  | 96       |
| 35) Methylcyclohexane         | 6.763  | 83   | 95770    | 5.150  | ug/L  | 98       |
| 37) 1,2-Dichloropropane       | 6.788  | 63   | 64336    | 5.089  | ug/L  | 98       |
| 38) Bromodichloromethane      | 7.103  | 83   | 79159    | 5.048  | ug/L  | 97       |
| 39) cis-1,3-Dichloropropene   | 7.608  | 75   | 96266    | 5.284  | ug/L  | 97       |
| 40) 4-Methyl-2-pentanone      | 7.788  | 43   | 347689   | 49.333 | ug/L  | 99       |
| 42) Toluene                   | 7.968  | 91   | 254436   | 5.056  | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene | 8.210  | 75   | 75825    | 5.040  | ug/L  | 99       |
| 45) 1,1,2-Trichloroethane     | 8.399  | 97   | 43260    | 5.070  | ug/L  | 98       |
| 47) Tetrachloroethene         | 8.554  | 164  | 48337    | 5.352  | ug/L  | 92       |
| 48) 2-Hexanone                | 8.685  | 43   | 279096   | 53.473 | ug/L  | 98       |
| 49) Dibromochloromethane      | 8.808  | 129  | 48607    | 4.918  | ug/L  | 91       |
| 50) 1,2-Dibromoethane         | 8.923  | 107  | 40611    | 4.945  | ug/L  | 98       |
| 51) Chlorobenzene             | 9.447  | 112  | 166887   | 5.095  | ug/L  | 99       |
| 52) Ethylbenzene              | 9.570  | 91   | 288622   | 5.085  | ug/L  | 99       |
| 53) m,p-Xylene                | 9.695  | 106  | 107695   | 5.063  | ug/L  | 95       |
| 54) o-Xylene                  | 10.100 | 106  | 108012   | 5.297  | ug/L  | 93       |
| 55) Styrene                   | 10.113 | 104  | 175451   | 5.220  | ug/L  | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 10.782 | 83   | 52831    | 5.005  | ug/L  | 96       |
| 59) Bromoform                 | 10.290 | 173  | 25775    | 4.985  | ug/L  | 96       |
| 60) Isopropylbenzene          | 10.483 | 105  | 295011   | 5.280  | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 10.820 | 75   | 38430    | 4.959  | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 11.087 | 105  | 251137   | 5.237  | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 11.467 | 105  | 240896   | 5.415  | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.746 | 146  | 137107   | 5.274  | ug/L  | 100      |
| 65) 1,4-Dichlorobenzene       | 11.836 | 146  | 135547   | 5.212  | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 12.213 | 146  | 123837   | 5.226  | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.997 | 75   | 7946     | 5.292  | ug/L  | 95       |
| 69) 1,3,5-Trichlorobenzene    | 13.219 | 180  | 95986    | 5.538  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.840 | 180  | 79521    | 5.858  | ug/L  | 98       |
| 71) Naphthalene               | 14.087 | 128  | 139911   | 6.851  | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 14.328 | 180  | 66837    | 5.942  | ug/L  | 99       |

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

