

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU110723\  
 Data File : VU056090.D  
 Acq On : 07 Nov 2023 09:45  
 Operator : MD/SY  
 Sample : VSTD00575  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005075

Quant Time: Nov 08 00:16:07 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR110723WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Nov 08 00:14:39 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Difluorobenzene        | 6.245  | 114  | 377148   | 5.000  | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 9.412  | 117  | 366163   | 5.000  | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.807 | 152  | 181727   | 5.000  | ug/L  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 4) Vinyl Chloride-d3          | 1.596  | 65   | 119416   | 5.101  | ug/L  | 0.00     |
| 7) Chloroethane-d5            | 1.907  | 69   | 86731    | 5.459  | ug/L  | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 2.563  | 65   | 51629    | 5.006  | ug/L  | 0.00     |
| 20) 2-Butanone-d5             | 4.621  | 46   | 201229   | 55.006 | ug/L  | 0.00     |
| 24) Chloroform-d              | 5.055  | 84   | 233462   | 5.239  | ug/L  | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 5.695  | 65   | 98302    | 5.010  | ug/L  | 0.00     |
| 32) Benzene-d6                | 5.721  | 84   | 465403   | 5.292  | ug/L  | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 6.685  | 67   | 136560   | 5.275  | ug/L  | 0.00     |
| 41) Toluene-d8                | 7.894  | 98   | 426189   | 5.289  | ug/L  | 0.00     |
| 43) trans-1,3-Dichloroprop... | 8.177  | 79   | 51890    | 5.244  | ug/L  | 0.00     |
| 46) 2-Hexanone-d5             | 8.627  | 63   | 168848   | 52.441 | ug/L  | 0.00     |
| 56) 1,1,2,2-Tetrachloroeth... | 10.753 | 84   | 93121    | 5.040  | ug/L  | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 12.190 | 152  | 138166   | 4.930  | ug/L  | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.380  | 85   | 161787   | 5.058  | ug/L  | 100      |
| 3) Chloromethane              | 1.515  | 50   | 154502   | 5.156  | ug/L  | 100      |
| 5) Vinyl chloride             | 1.602  | 62   | 158926   | 5.127  | ug/L  | 100      |
| 6) Bromomethane               | 1.853  | 94   | 89036    | 5.001  | ug/L  | 100      |
| 8) Chloroethane               | 1.927  | 64   | 91474    | 5.443  | ug/L  | 100      |
| 9) Trichlorofluoromethane     | 2.132  | 101  | 211048   | 5.148  | ug/L  | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.576  | 101  | 134824   | 5.162  | ug/L  | 100      |
| 12) 1,1-Dichloroethene        | 2.576  | 96   | 125827   | 5.191  | ug/L  | 100      |
| 13) Acetone                   | 2.628  | 43   | 142391   | 50.274 | ug/L  | 100      |
| 14) Carbon disulfide          | 2.788  | 76   | 429181   | 5.196  | ug/L  | 100      |
| 15) Methyl Acetate            | 2.949  | 43   | 40503    | 5.068  | ug/L  | 100      |
| 16) Methylene chloride        | 3.039  | 84   | 140833   | 5.067  | ug/L  | 100      |
| 17) Methyl tert-butyl Ether   | 3.357  | 73   | 282901   | 5.180  | ug/L  | 100      |
| 18) trans-1,2-Dichloroethene  | 3.348  | 96   | 132413   | 5.155  | ug/L  | 100      |
| 19) 1,1-Dichloroethane        | 3.862  | 63   | 245308   | 5.235  | ug/L  | 100      |
| 21) 2-Butanone                | 4.698  | 43   | 246145   | 52.697 | ug/L  | 100      |
| 22) cis-1,2-Dichloroethene    | 4.660  | 96   | 145404   | 5.244  | ug/L  | 100      |
| 23) Bromochloromethane        | 4.968  | 128  | 63196    | 5.137  | ug/L  | 100      |
| 25) Chloroform                | 5.081  | 83   | 257474   | 5.157  | ug/L  | 100      |
| 27) 1,2-Dichloroethane        | 5.788  | 62   | 147494   | 5.219  | ug/L  | 100      |
| 29) 1,1,1-Trichloroethane     | 5.309  | 97   | 218179   | 5.201  | ug/L  | 100      |
| 30) Cyclohexane               | 5.383  | 56   | 205192   | 5.235  | ug/L  | 100      |
| 31) Carbon tetrachloride      | 5.518  | 117  | 191790   | 5.149  | ug/L  | 100      |
| 33) Benzene                   | 5.769  | 78   | 560917   | 5.350  | ug/L  | 100      |
| 34) Trichloroethene           | 6.537  | 95   | 150004   | 5.238  | ug/L  | 100      |
| 35) Methylcyclohexane         | 6.759  | 83   | 218478   | 5.133  | ug/L  | 100      |
| 37) 1,2-Dichloropropane       | 6.785  | 63   | 141542   | 5.191  | ug/L  | 100      |
| 38) Bromodichloromethane      | 7.100  | 83   | 172950   | 5.080  | ug/L  | 100      |
| 39) cis-1,3-Dichloropropene   | 7.602  | 75   | 201984   | 5.249  | ug/L  | 100      |
| 40) 4-Methyl-2-pentanone      | 7.785  | 43   | 625411   | 52.441 | ug/L  | 100      |
| 42) Toluene                   | 7.965  | 91   | 589456   | 5.333  | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene | 8.206  | 75   | 163338   | 5.242  | ug/L  | 100      |

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 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005075

Quant Time: Nov 08 00:16:07 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR110723WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Nov 08 00:14:39 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 45) 1,1,2-Trichloroethane     | 8.396  | 97   | 96915    | 5.200  | ug/L  | 100      |
| 47) Tetrachloroethene         | 8.550  | 164  | 113323   | 5.272  | ug/L  | 100      |
| 48) 2-Hexanone                | 8.679  | 43   | 462579   | 54.220 | ug/L  | 100      |
| 49) Dibromochloromethane      | 8.804  | 129  | 111362   | 5.207  | ug/L  | 100      |
| 50) 1,2-Dibromoethane         | 8.920  | 107  | 90809    | 5.214  | ug/L  | 100      |
| 51) Chlorobenzene             | 9.444  | 112  | 370087   | 5.190  | ug/L  | 100      |
| 52) Ethylbenzene              | 9.566  | 91   | 636623   | 5.285  | ug/L  | 100      |
| 53) m,p-Xylene                | 9.692  | 106  | 244699   | 5.342  | ug/L  | 100      |
| 54) o-Xylene                  | 10.097 | 106  | 235430   | 5.361  | ug/L  | 100      |
| 55) Styrene                   | 10.110 | 104  | 395562   | 5.506  | ug/L  | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 10.778 | 83   | 113507   | 5.182  | ug/L  | 100      |
| 59) Bromoform                 | 10.286 | 173  | 64062    | 5.076  | ug/L  | 100      |
| 60) Isopropylbenzene          | 10.479 | 105  | 625252   | 5.307  | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 10.817 | 75   | 80678    | 5.143  | ug/L  | 100      |
| 62) 1,3,5-Trimethylbenzene    | 11.084 | 105  | 503135   | 5.265  | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 11.463 | 105  | 499171   | 5.325  | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.743 | 146  | 292410   | 5.240  | ug/L  | 100      |
| 65) 1,4-Dichlorobenzene       | 11.833 | 146  | 280429   | 5.082  | ug/L  | 100      |
| 67) 1,2-Dichlorobenzene       | 12.209 | 146  | 264775   | 5.149  | ug/L  | 100      |
| 68) 1,2-Dibromo-3-chloropr... | 12.994 | 75   | 17382    | 5.253  | ug/L  | 100      |
| 69) 1,3,5-Trichlorobenzene    | 13.216 | 180  | 214357   | 5.129  | ug/L  | 100      |
| 70) 1,2,4-trichlorobenzene    | 13.836 | 180  | 170090   | 5.130  | ug/L  | 100      |
| 71) Naphthalene               | 14.084 | 128  | 249893   | 5.172  | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 14.325 | 180  | 149022   | 5.126  | ug/L  | 100      |

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

