

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU091923\  
 Data File : VU055391.D  
 Acq On : 19 Sep 2023 14:29  
 Operator : MD/SY  
 Sample : VSTD00563  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005063

Quant Time: Sep 20 05:25:47 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR091923WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Sep 20 05:24:22 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Difluorobenzene        | 6.245  | 114  | 254115   | 5.000  | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 9.415  | 117  | 260422   | 5.000  | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.811 | 152  | 146437   | 5.000  | ug/L  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 4) Vinyl Chloride-d3          | 1.596  | 65   | 128875   | 7.765  | ug/L  | 0.00     |
| 7) Chloroethane-d5            | 1.911  | 69   | 109929   | 6.355  | ug/L  | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 2.563  | 65   | 51815    | 8.306  | ug/L  | 0.00     |
| 20) 2-Butanone-d5             | 4.628  | 46   | 235259   | 57.184 | ug/L  | 0.00     |
| 24) Chloroform-d              | 5.058  | 84   | 237737   | 6.790  | ug/L  | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 5.698  | 65   | 114221   | 6.536  | ug/L  | 0.00     |
| 32) Benzene-d6                | 5.724  | 84   | 474513   | 7.702  | ug/L  | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 6.685  | 67   | 140276   | 6.952  | ug/L  | 0.00     |
| 41) Toluene-d8                | 7.894  | 98   | 439437   | 8.109  | ug/L  | 0.00     |
| 43) trans-1,3-Dichloroprop... | 8.177  | 79   | 50178    | 6.951  | ug/L  | 0.00     |
| 46) 2-Hexanone-d5             | 8.631  | 63   | 144956   | 58.874 | ug/L  | 0.00     |
| 56) 1,1,2,2-Tetrachloroeth... | 10.753 | 84   | 105377   | 6.252  | ug/L  | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 12.190 | 152  | 148408   | 7.141  | ug/L  | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.383  | 85   | 123228   | 5.096  | ug/L  | 100      |
| 3) Chloromethane              | 1.515  | 50   | 106628   | 4.698  | ug/L  | 100      |
| 5) Vinyl chloride             | 1.602  | 62   | 114958   | 4.664  | ug/L  | 100      |
| 6) Bromomethane               | 1.856  | 94   | 74886    | 4.097  | ug/L  | 100      |
| 8) Chloroethane               | 1.930  | 64   | 73159    | 3.831  | ug/L  | 100      |
| 9) Trichlorofluoromethane     | 2.136  | 101  | 153767   | 4.039  | ug/L  | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.576  | 101  | 96476    | 4.856  | ug/L  | 100      |
| 12) 1,1-Dichloroethene        | 2.576  | 96   | 87474    | 4.925  | ug/L  | 100      |
| 13) Acetone                   | 2.644  | 43   | 125530   | 48.372 | ug/L  | 100      |
| 14) Carbon disulfide          | 2.788  | 76   | 260927   | 4.711  | ug/L  | 100      |
| 15) Methyl Acetate            | 2.952  | 43   | 28092    | 4.595  | ug/L  | 100      |
| 16) Methylene chloride        | 3.039  | 84   | 110995   | 4.235  | ug/L  | 100      |
| 17) Methyl tert-butyl Ether   | 3.361  | 73   | 189355   | 4.541  | ug/L  | 100      |
| 18) trans-1,2-Dichloroethene  | 3.351  | 96   | 88599    | 4.618  | ug/L  | 100      |
| 19) 1,1-Dichloroethane        | 3.866  | 63   | 164076   | 4.445  | ug/L  | 100      |
| 21) 2-Butanone                | 4.708  | 43   | 191411   | 45.555 | ug/L  | 100      |
| 22) cis-1,2-Dichloroethene    | 4.663  | 96   | 98971    | 4.421  | ug/L  | 100      |
| 23) Bromochloromethane        | 4.968  | 128  | 42918    | 4.689  | ug/L  | 100      |
| 25) Chloroform                | 5.084  | 83   | 175126   | 4.375  | ug/L  | 100      |
| 27) 1,2-Dichloroethane        | 5.792  | 62   | 104374   | 4.226  | ug/L  | 100      |
| 29) 1,1,1-Trichloroethane     | 5.312  | 97   | 149633   | 4.644  | ug/L  | 100      |
| 30) Cyclohexane               | 5.383  | 56   | 133654   | 4.441  | ug/L  | 100      |
| 31) Carbon tetrachloride      | 5.521  | 117  | 130727   | 4.726  | ug/L  | 100      |
| 33) Benzene                   | 5.769  | 78   | 379126   | 4.542  | ug/L  | 100      |
| 34) Trichloroethene           | 6.537  | 95   | 103107   | 4.343  | ug/L  | 100      |
| 35) Methylcyclohexane         | 6.759  | 83   | 152134   | 4.430  | ug/L  | 100      |
| 37) 1,2-Dichloropropane       | 6.788  | 63   | 95377    | 4.389  | ug/L  | 100      |
| 38) Bromodichloromethane      | 7.103  | 83   | 115954   | 4.439  | ug/L  | 100      |
| 39) cis-1,3-Dichloropropene   | 7.605  | 75   | 136889   | 4.575  | ug/L  | 100      |
| 40) 4-Methyl-2-pentanone      | 7.788  | 43   | 444831   | 43.200 | ug/L  | 100      |
| 42) Toluene                   | 7.965  | 91   | 412193   | 4.541  | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene | 8.209  | 75   | 106459   | 4.539  | ug/L  | 100      |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU091923\  
 Data File : VU055391.D  
 Acq On : 19 Sep 2023 14:29  
 Operator : MD/SY  
 Sample : VSTD00563  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005063

Quant Time: Sep 20 05:25:47 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR091923WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Sep 20 05:24:22 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| 45) 1,1,2-Trichloroethane     | 8.396  | 97   | 69118    | 4.517  | ug/L  | 100      |
| 47) Tetrachloroethene         | 8.550  | 164  | 77610    | 4.685  | ug/L  | 100      |
| 48) 2-Hexanone                | 8.682  | 43   | 347457   | 44.800 | ug/L  | 100      |
| 49) Dibromochloromethane      | 8.808  | 129  | 72160    | 4.613  | ug/L  | 100      |
| 50) 1,2-Dibromoethane         | 8.920  | 107  | 63994    | 4.528  | ug/L  | 100      |
| 51) Chlorobenzene             | 9.444  | 112  | 255086   | 4.356  | ug/L  | 100      |
| 52) Ethylbenzene              | 9.566  | 91   | 430592   | 4.351  | ug/L  | 100      |
| 53) m,p-Xylene                | 9.692  | 106  | 165990   | 4.441  | ug/L  | 100      |
| 54) o-Xylene                  | 10.097 | 106  | 154969   | 4.380  | ug/L  | 100      |
| 55) Styrene                   | 10.113 | 104  | 263437   | 4.439  | ug/L  | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 10.778 | 83   | 78222    | 4.656  | ug/L  | 100      |
| 59) Bromoform                 | 10.287 | 173  | 38960    | 4.641  | ug/L  | 100      |
| 60) Isopropylbenzene          | 10.483 | 105  | 423589   | 4.154  | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 10.820 | 75   | 56238    | 4.108  | ug/L  | 100      |
| 62) 1,3,5-Trimethylbenzene    | 11.084 | 105  | 330979   | 4.206  | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 11.463 | 105  | 325679   | 4.097  | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.743 | 146  | 199521   | 4.204  | ug/L  | 100      |
| 65) 1,4-Dichlorobenzene       | 11.833 | 146  | 196047   | 4.238  | ug/L  | 100      |
| 67) 1,2-Dichlorobenzene       | 12.209 | 146  | 181792   | 4.273  | ug/L  | 100      |
| 68) 1,2-Dibromo-3-chloropr... | 12.997 | 75   | 10376    | 4.423  | ug/L  | 100      |
| 69) 1,3,5-Trichlorobenzene    | 13.216 | 180  | 134018   | 4.120  | ug/L  | 100      |
| 70) 1,2,4-trichlorobenzene    | 13.839 | 180  | 101519   | 4.033  | ug/L  | 100      |
| 71) Naphthalene               | 14.084 | 128  | 141898   | 3.911  | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 14.328 | 180  | 90595    | 4.126  | ug/L  | 100      |
| -----                         |        |      |          |        |       |          |

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU091923\  
Data File : VU055391.D  
Acq On : 19 Sep 2023 14:29  
Operator : MD/SY  
Sample : VSTD00563  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**  
MSVOA\_U  
**ClientSampleId :**  
VSTD005063

Quant Time: Sep 20 05:25:47 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR091923WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Wed Sep 20 05:24:22 2023  
Response via : Initial Calibration

