

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX121924\  
 Data File : VX044421.D  
 Acq On : 19 Dec 2024 08:50  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTD050805

Quant Time: Dec 20 02:29:27 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXML120524WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Dec 18 04:40:20 2024  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.757   | 114   | 225664   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 10.049  | 117   | 198819   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 12.018  | 152   | 93258    | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.367   | 65    | 97609    | 47.266   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 94.540%  |
| 7) Chloroethane-d5            | 1.648   | 69    | 77297    | 48.319   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 96.640%  |
| 11) 1,1-Dichloroethene-d2     | 2.294   | 65    | 39785    | 45.048   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 90.100%  |
| 21) 2-Butanone-d5             | 4.458   | 46    | 105352   | 83.325   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 83.320%  |
| 24) Chloroform-d              | 5.050   | 84    | 170943   | 43.597   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 87.200%  |
| 26) 1,2-Dichloroethane-d4     | 5.952   | 65    | 110926   | 40.004   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 80.000%  |
| 32) Benzene-d6                | 5.964   | 84    | 316211   | 46.029   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 92.060%  |
| 36) 1,2-Dichloropropane-d6    | 7.305   | 67    | 96328    | 45.158   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 90.320%  |
| 41) Toluene-d8                | 8.647   | 98    | 288451   | 45.411   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 90.820%  |
| 43) trans-1,3-Dichloroprop... | 8.945   | 79    | 44609    | 43.517   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 87.040%  |
| 47) 2-Hexanone-d5             | 9.384   | 63    | 71273    | 85.693   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 85.690%  |
| 56) 1,1,2,2-Tetrachloroeth... | 11.189  | 84    | 125567   | 43.900   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 87.800%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.317  | 152   | 93228    | 42.905   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 85.820%  |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.166   | 85    | 87312    | 47.710   | ug/L   | 98       |
| 3) Chloromethane              | 1.294   | 50    | 79993    | 47.382   | ug/L   | 95       |
| 5) Vinyl chloride             | 1.374   | 62    | 88148    | 48.395   | ug/L   | 96       |
| 6) Bromomethane               | 1.593   | 94    | 60862    | 49.162   | ug/L   | 96       |
| 8) Chloroethane               | 1.666   | 64    | 64471    | 53.467   | ug/L   | 100      |
| 9) Trichlorofluoromethane     | 1.873   | 101   | 158776   | 46.786   | ug/L   | 96       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.319   | 101   | 80390    | 53.787   | ug/L   | 97       |
| 12) 1,1-Dichloroethene        | 2.306   | 96    | 66880    | 50.273   | ug/L # | 63       |
| 13) Acetone                   | 2.386   | 43    | 88869    | 78.992   | ug/L   | 94       |
| 14) Carbon disulfide          | 2.501   | 76    | 117376   | 46.575   | ug/L   | 99       |
| 15) Methyl Acetate            | 2.703   | 43    | 91164    | 49.970   | ug/L   | 97       |
| 16) Methylene chloride        | 2.782   | 84    | 82403    | 53.827   | ug/L   | 94       |
| 17) trans-1,2-Dichloroethene  | 3.087   | 96    | 69941    | 50.480   | ug/L   | 95       |
| 18) Methyl tert-butyl Ether   | 3.111   | 73    | 274612   | 49.119   | ug/L   | 98       |
| 19) 1,1-Dichloroethane        | 3.605   | 63    | 147430   | 50.722   | ug/L   | 95       |
| 20) cis-1,2-Dichloroethene    | 4.477   | 96    | 89454    | 52.813   | ug/L   | 93       |
| 22) 2-Butanone                | 4.556   | 43    | 126079   | 92.849   | ug/L   | 99       |
| 23) Bromochloromethane        | 4.897   | 128   | 44673    | 54.083   | ug/L   | 94       |
| 25) Chloroform                | 5.086   | 83    | 165577   | 50.614   | ug/L   | 95       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX121924\  
 Data File : VX044421.D  
 Acq On : 19 Dec 2024 08:50  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTD050805

Quant Time: Dec 20 02:29:27 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXML120524WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Dec 18 04:40:20 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 27) 1,2-Dichloroethane        | 6.080  | 62   | 133405   | 49.052  | ug/L  | 96       |
| 29) Cyclohexane               | 5.464  | 56   | 122035   | 49.470  | ug/L  | 99       |
| 30) 1,1,1-Trichloroethane     | 5.373  | 97   | 135050   | 50.039  | ug/L  | 97       |
| 31) Carbon tetrachloride      | 5.665  | 117  | 111947   | 52.957  | ug/L  | 97       |
| 33) Benzene                   | 6.031  | 78   | 310327   | 51.399  | ug/L  | 100      |
| 34) Trichloroethene           | 7.116  | 95   | 83273    | 50.519  | ug/L  | 97       |
| 35) Methylcyclohexane         | 7.372  | 83   | 127416   | 53.359  | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 7.427  | 63   | 86314    | 53.241  | ug/L  | 99       |
| 38) Bromodichloromethane      | 7.818  | 83   | 109594   | 51.598  | ug/L  | 98       |
| 39) cis-1,3-Dichloropropene   | 8.360  | 75   | 133357   | 52.518  | ug/L  | 98       |
| 40) 4-Methyl-2-pentanone      | 8.573  | 43   | 251660   | 100.269 | ug/L  | 95       |
| 42) Toluene                   | 8.714  | 91   | 330769   | 51.705  | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 8.976  | 75   | 125743   | 52.245  | ug/L  | 99       |
| 45) 1,1,2-Trichloroethane     | 9.147  | 97   | 87870    | 52.890  | ug/L  | 99       |
| 46) Tetrachloroethene         | 9.268  | 164  | 60843    | 55.333  | ug/L  | 98       |
| 48) 2-Hexanone                | 9.427  | 43   | 183821   | 93.019  | ug/L  | 96       |
| 49) Dibromochloromethane      | 9.518  | 129  | 78818    | 53.673  | ug/L  | 99       |
| 50) 1,2-Dibromoethane         | 9.604  | 107  | 91208    | 53.160  | ug/L  | 100      |
| 51) Chlorobenzene             | 10.073 | 112  | 211234   | 51.467  | ug/L  | 99       |
| 52) Ethylbenzene              | 10.189 | 91   | 369898   | 52.493  | ug/L  | 100      |
| 53) m,p-Xylene                | 10.299 | 106  | 135266   | 52.998  | ug/L  | 98       |
| 54) o-Xylene                  | 10.640 | 106  | 138860   | 52.907  | ug/L  | 94       |
| 55) Styrene                   | 10.652 | 104  | 230185   | 53.774  | ug/L  | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 11.207 | 83   | 132406   | 51.375  | ug/L  | 98       |
| 59) Bromoform                 | 10.799 | 173  | 49938    | 53.368  | ug/L  | 99       |
| 60) Isopropylbenzene          | 10.957 | 105  | 362425   | 50.363  | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 11.238 | 75   | 101544   | 47.012  | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 298326   | 49.954  | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 297551   | 50.768  | ug/L  | 98       |
| 64) 1,3-Dichlorobenzene       | 11.969 | 146  | 152850   | 51.216  | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 12.036 | 146  | 152854   | 51.181  | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 12.335 | 146  | 156878   | 51.771  | ug/L  | 96       |
| 68) 1,2-Dibromo-3-chloropr... | 12.939 | 75   | 22888    | 46.624  | ug/L  | 95       |
| 69) 1,3,5-Trichlorobenzene    | 13.109 | 180  | 100087   | 53.752  | ug/L  | 98       |
| 70) 1,2,4-trichlorobenzene    | 13.585 | 180  | 90893    | 54.800  | ug/L  | 99       |
| 71) Naphthalene               | 13.774 | 128  | 331685   | 49.051  | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 13.957 | 180  | 95157    | 54.006  | ug/L  | 98       |

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX121924\  
Data File : VX044421.D  
Acq On : 19 Dec 2024 08:50  
Operator : JC/MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTD050805

Quant Time: Dec 20 02:29:27 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXLM120524WMA.M  
Quant Title : VOC Analysis  
QLast Update : Wed Dec 18 04:40:20 2024  
Response via : Initial Calibration

