

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX123024\  
 Data File : VX044538.D  
 Acq On : 30 Dec 2024 12:14  
 Operator : JC/MD  
 Sample : VSTDCCC050EC  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTD050812

Quant Time: Dec 31 01:05:01 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXLM120524WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Dec 31 01:02:15 2024  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.757   | 114   | 217953   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 10.055  | 117   | 196159   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 12.018  | 152   | 87125    | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.367   | 65    | 80382    | 40.301   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 80.600%  |
| 7) Chloroethane-d5            | 1.648   | 69    | 72145    | 46.694   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 93.380%  |
| 11) 1,1-Dichloroethene-d2     | 2.294   | 65    | 36043    | 42.255   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 84.500%  |
| 21) 2-Butanone-d5             | 4.458   | 46    | 115027   | 94.196   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 94.200%  |
| 24) Chloroform-d              | 5.050   | 84    | 174231   | 46.008   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 92.020%  |
| 26) 1,2-Dichloroethane-d4     | 5.946   | 65    | 113620   | 42.426   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 84.860%  |
| 32) Benzene-d6                | 5.964   | 84    | 308522   | 45.519   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 91.040%  |
| 36) 1,2-Dichloropropane-d6    | 7.305   | 67    | 95255    | 45.260   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 90.520%  |
| 41) Toluene-d8                | 8.647   | 98    | 278584   | 44.452   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 88.900%  |
| 43) trans-1,3-Dichloroprop... | 8.945   | 79    | 44570    | 44.068   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 88.140%  |
| 47) 2-Hexanone-d5             | 9.384   | 63    | 80682    | 98.321   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 98.320%  |
| 56) 1,1,2,2-Tetrachloroeth... | 11.189  | 84    | 132418   | 46.923   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 93.840%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.317  | 152   | 97839    | 48.197   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 96.400%  |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.166   | 85    | 66124    | 37.411   | ug/L   | 97       |
| 3) Chloromethane              | 1.294   | 50    | 61075    | 37.457   | ug/L   | 97       |
| 5) Vinyl chloride             | 1.373   | 62    | 66867    | 38.010   | ug/L   | 92       |
| 6) Bromomethane               | 1.593   | 94    | 45276    | 37.866   | ug/L   | 100      |
| 8) Chloroethane               | 1.666   | 64    | 49518    | 42.519   | ug/L   | 95       |
| 9) Trichlorofluoromethane     | 1.867   | 101   | 127588   | 38.926   | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.318   | 101   | 66069    | 45.769   | ug/L   | 96       |
| 12) 1,1-Dichloroethene        | 2.306   | 96    | 55491    | 43.188   | ug/L # | 76       |
| 13) Acetone                   | 2.386   | 43    | 66837    | 61.510   | ug/L   | 91       |
| 14) Carbon disulfide          | 2.501   | 76    | 83149    | 34.161   | ug/L   | 98       |
| 15) Methyl Acetate            | 2.703   | 43    | 72623    | 41.215   | ug/L   | 100      |
| 16) Methylene chloride        | 2.782   | 84    | 66789    | 45.171   | ug/L   | 96       |
| 17) trans-1,2-Dichloroethene  | 3.080   | 96    | 56985    | 42.584   | ug/L   | 92       |
| 18) Methyl tert-butyl Ether   | 3.117   | 73    | 222158   | 41.143   | ug/L   | 97       |
| 19) 1,1-Dichloroethane        | 3.599   | 63    | 119590   | 42.599   | ug/L   | 96       |
| 20) cis-1,2-Dichloroethene    | 4.477   | 96    | 73641    | 45.015   | ug/L   | 97       |
| 22) 2-Butanone                | 4.562   | 43    | 103158   | 78.657   | ug/L   | 97       |
| 23) Bromochloromethane        | 4.897   | 128   | 36417    | 45.648   | ug/L   | 98       |
| 25) Chloroform                | 5.086   | 83    | 136987   | 43.356   | ug/L   | 98       |

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 Sample : VSTDCCC050EC  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTD050812

Quant Time: Dec 31 01:05:01 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXLM120524WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Dec 31 01:02:15 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 6.080  | 62   | 106886   | 40.692 | ug/L   | 99       |
| 29) Cyclohexane               | 5.458  | 56   | 93369    | 38.363 | ug/L   | 97       |
| 30) 1,1,1-Trichloroethane     | 5.379  | 97   | 112833   | 42.374 | ug/L   | 97       |
| 31) Carbon tetrachloride      | 5.672  | 117  | 90060    | 43.181 | ug/L   | 100      |
| 33) Benzene                   | 6.031  | 78   | 252210   | 42.340 | ug/L   | 100      |
| 34) Trichloroethene           | 7.116  | 95   | 69184    | 42.541 | ug/L   | 98       |
| 35) Methylcyclohexane         | 7.378  | 83   | 99028    | 42.033 | ug/L   | 99       |
| 37) 1,2-Dichloropropane       | 7.427  | 63   | 67641    | 42.289 | ug/L # | 95       |
| 38) Bromodichloromethane      | 7.817  | 83   | 90660    | 43.262 | ug/L   | 96       |
| 39) cis-1,3-Dichloropropene   | 8.366  | 75   | 106707   | 42.593 | ug/L   | 96       |
| 40) 4-Methyl-2-pentanone      | 8.573  | 43   | 206009   | 83.193 | ug/L   | 96       |
| 42) Toluene                   | 8.714  | 91   | 273845   | 43.387 | ug/L   | 99       |
| 44) trans-1,3-Dichloropropene | 8.976  | 75   | 97068    | 40.878 | ug/L   | 97       |
| 45) 1,1,2-Trichloroethane     | 9.153  | 97   | 74684    | 45.563 | ug/L   | 95       |
| 46) Tetrachloroethene         | 9.268  | 164  | 52462    | 48.358 | ug/L   | 93       |
| 48) 2-Hexanone                | 9.433  | 43   | 152100   | 78.011 | ug/L   | 94       |
| 49) Dibromochloromethane      | 9.518  | 129  | 66928    | 46.194 | ug/L   | 99       |
| 50) 1,2-Dibromoethane         | 9.610  | 107  | 74817    | 44.198 | ug/L # | 96       |
| 51) Chlorobenzene             | 10.079 | 112  | 177920   | 43.938 | ug/L   | 95       |
| 52) Ethylbenzene              | 10.189 | 91   | 304147   | 43.747 | ug/L   | 98       |
| 53) m,p-Xylene                | 10.299 | 106  | 113073   | 44.903 | ug/L   | 98       |
| 54) o-Xylene                  | 10.640 | 106  | 115086   | 44.444 | ug/L   | 99       |
| 55) Styrene                   | 10.652 | 104  | 191706   | 45.392 | ug/L   | 97       |
| 57) 1,1,1,2-Tetrachloroethane | 11.213 | 83   | 108522   | 42.679 | ug/L   | 99       |
| 59) Bromoform                 | 10.799 | 173  | 42261    | 48.343 | ug/L   | 99       |
| 60) Isopropylbenzene          | 10.963 | 105  | 295240   | 43.915 | ug/L   | 98       |
| 61) 1,2,3-Trichloropropane    | 11.238 | 75   | 84018    | 41.636 | ug/L   | 99       |
| 62) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 236838   | 42.449 | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 234974   | 42.913 | ug/L   | 98       |
| 64) 1,3-Dichlorobenzene       | 11.969 | 146  | 126629   | 45.416 | ug/L   | 99       |
| 65) 1,4-Dichlorobenzene       | 12.042 | 146  | 126546   | 45.355 | ug/L   | 95       |
| 67) 1,2-Dichlorobenzene       | 12.335 | 146  | 131834   | 46.568 | ug/L   | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 12.945 | 75   | 17857    | 38.936 | ug/L # | 83       |
| 69) 1,3,5-Trichlorobenzene    | 13.109 | 180  | 83638    | 48.080 | ug/L   | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.585 | 180  | 75251    | 48.563 | ug/L   | 98       |
| 71) Naphthalene               | 13.774 | 128  | 270568   | 42.829 | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 79395    | 48.232 | ug/L   | 98       |

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

