

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX073124\  
 Data File : VX042757.D  
 Acq On : 31 Jul 2024 08:35  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTD050772

Quant Time: Aug 01 01:37:42 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXML072624WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Jul 31 03:10:58 2024  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.757   | 114   | 161740   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 10.049  | 117   | 150010   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 12.018  | 152   | 72337    | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.368   | 65    | 34190    | 34.795   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 69.580%  |
| 7) Chloroethane-d5            | 1.648   | 69    | 16129    | 39.833   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 79.660%  |
| 11) 1,1-Dichloroethene-d2     | 2.300   | 65    | 17347    | 35.830   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 71.660%  |
| 21) 2-Butanone-d5             | 4.459   | 46    | 52595    | 72.218   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 72.220%  |
| 24) Chloroform-d              | 5.050   | 84    | 93614    | 43.525   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 87.060%  |
| 26) 1,2-Dichloroethane-d4     | 5.952   | 65    | 60308    | 43.463   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 86.920%  |
| 32) Benzene-d6                | 5.971   | 84    | 180419   | 43.336   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 86.680%  |
| 36) 1,2-Dichloropropane-d6    | 7.306   | 67    | 59188    | 48.036   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 96.080%  |
| 41) Toluene-d8                | 8.647   | 98    | 177160   | 47.460   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 94.920%  |
| 43) trans-1,3-Dichloroprop... | 8.946   | 79    | 27047    | 46.906   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 93.820%  |
| 47) 2-Hexanone-d5             | 9.385   | 63    | 49638    | 90.103   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 90.100%  |
| 56) 1,1,2,2-Tetrachloroeth... | 11.189  | 84    | 84792    | 47.794   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 95.580%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.317  | 152   | 62508    | 45.724   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 91.440%  |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.166   | 85    | 75834    | 53.069   | ug/L   | 99       |
| 3) Chloromethane              | 1.301   | 50    | 47257    | 39.992   | ug/L   | 98       |
| 5) Vinyl chloride             | 1.374   | 62    | 44960    | 40.026   | ug/L   | 97       |
| 6) Bromomethane               | 1.599   | 94    | 17178    | 48.878   | ug/L   | 98       |
| 8) Chloroethane               | 1.666   | 64    | 16764    | 40.762   | ug/L   | 94       |
| 9) Trichlorofluoromethane     | 1.874   | 101   | 67506    | 42.458   | ug/L   | 90       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.319   | 101   | 51471    | 45.051   | ug/L   | 96       |
| 12) 1,1-Dichloroethene        | 2.313   | 96    | 45169    | 43.199   | ug/L   | 87       |
| 13) Acetone                   | 2.386   | 43    | 61892    | 108.719  | ug/L   | 97       |
| 14) Carbon disulfide          | 2.508   | 76    | 95753    | 37.506   | ug/L   | 99       |
| 15) Methyl Acetate            | 2.703   | 43    | 45494    | 36.052   | ug/L   | 93       |
| 16) Methylene chloride        | 2.788   | 84    | 55824    | 46.230   | ug/L   | 92       |
| 17) trans-1,2-Dichloroethene  | 3.087   | 96    | 46710    | 43.530   | ug/L   | 91       |
| 18) Methyl tert-butyl Ether   | 3.111   | 73    | 161651   | 43.463   | ug/L   | 98       |
| 19) 1,1-Dichloroethane        | 3.605   | 63    | 85426    | 41.697   | ug/L   | 97       |
| 20) cis-1,2-Dichloroethene    | 4.483   | 96    | 58037    | 47.353   | ug/L   | 94       |
| 22) 2-Butanone                | 4.562   | 43    | 78319    | 90.331   | ug/L   | 93       |
| 23) Bromochloromethane        | 4.898   | 128   | 27972    | 48.196   | ug/L # | 84       |
| 25) Chloroform                | 5.087   | 83    | 103246   | 47.263   | ug/L   | 99       |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTD050772

Quant Time: Aug 01 01:37:42 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXML072624WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Jul 31 03:10:58 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 27) 1,2-Dichloroethane        | 6.086  | 62   | 85305    | 49.168  | ug/L   | 98       |
| 29) Cyclohexane               | 5.458  | 56   | 75821    | 42.755  | ug/L   | 94       |
| 30) 1,1,1-Trichloroethane     | 5.379  | 97   | 92732    | 48.396  | ug/L   | 98       |
| 31) Carbon tetrachloride      | 5.672  | 117  | 80230    | 49.572  | ug/L   | 99       |
| 33) Benzene                   | 6.031  | 78   | 215200   | 46.877  | ug/L   | 100      |
| 34) Trichloroethene           | 7.117  | 95   | 63386    | 51.680  | ug/L   | 98       |
| 35) Methylcyclohexane         | 7.379  | 83   | 97273    | 52.400  | ug/L   | 98       |
| 37) 1,2-Dichloropropane       | 7.428  | 63   | 60577    | 50.772  | ug/L   | 100      |
| 38) Bromodichloromethane      | 7.818  | 83   | 81513    | 52.860  | ug/L   | 99       |
| 39) cis-1,3-Dichloropropene   | 8.360  | 75   | 94178    | 51.425  | ug/L   | 98       |
| 40) 4-Methyl-2-pentanone      | 8.574  | 43   | 163762   | 99.763  | ug/L   | 97       |
| 42) Toluene                   | 8.714  | 91   | 251420   | 53.173  | ug/L   | 99       |
| 44) trans-1,3-Dichloropropene | 8.976  | 75   | 89171    | 53.714  | ug/L   | 99       |
| 45) 1,1,2-Trichloroethane     | 9.147  | 97   | 64383    | 53.428  | ug/L   | 98       |
| 46) Tetrachloroethene         | 9.269  | 164  | 45749    | 54.694  | ug/L   | 95       |
| 48) 2-Hexanone                | 9.427  | 43   | 140090   | 109.732 | ug/L   | 99       |
| 49) Dibromochloromethane      | 9.519  | 129  | 62089    | 55.178  | ug/L   | 100      |
| 50) 1,2-Dibromoethane         | 9.604  | 107  | 67513    | 53.868  | ug/L # | 98       |
| 51) Chlorobenzene             | 10.080 | 112  | 162838   | 53.256  | ug/L   | 98       |
| 52) Ethylbenzene              | 10.189 | 91   | 278495   | 53.700  | ug/L   | 100      |
| 53) m,p-Xylene                | 10.299 | 106  | 106672   | 54.600  | ug/L   | 99       |
| 54) o-Xylene                  | 10.640 | 106  | 105360   | 54.212  | ug/L   | 99       |
| 55) Styrene                   | 10.653 | 104  | 180072   | 55.582  | ug/L   | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 100849   | 52.334  | ug/L   | 99       |
| 59) Bromoform                 | 10.799 | 173  | 41533    | 51.163  | ug/L   | 97       |
| 60) Isopropylbenzene          | 10.964 | 105  | 278686   | 50.987  | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 11.238 | 75   | 79969    | 47.785  | ug/L   | 99       |
| 62) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 236087   | 51.935  | ug/L   | 100      |
| 63) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 232606   | 51.822  | ug/L   | 98       |
| 64) 1,3-Dichlorobenzene       | 11.969 | 146  | 119667   | 50.906  | ug/L   | 94       |
| 65) 1,4-Dichlorobenzene       | 12.036 | 146  | 117705   | 49.713  | ug/L   | 95       |
| 67) 1,2-Dichlorobenzene       | 12.335 | 146  | 122408   | 51.712  | ug/L   | 96       |
| 68) 1,2-Dibromo-3-chloropr... | 12.939 | 75   | 23555    | 52.833  | ug/L # | 78       |
| 69) 1,3,5-Trichlorobenzene    | 13.109 | 180  | 78672    | 53.957  | ug/L   | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.585 | 180  | 65941    | 51.572  | ug/L   | 100      |
| 71) Naphthalene               | 13.774 | 128  | 262789   | 53.279  | ug/L   | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.957 | 180  | 72008    | 54.367  | ug/L   | 98       |

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

