

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX071824\  
 Data File : VX042362.D  
 Acq On : 18 Jul 2024 12:17  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTD050747

Quant Time: Jul 19 05:26:31 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXML070324WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Jul 09 02:35:21 2024  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.757   | 114   | 238030   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 10.055  | 117   | 226147   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 12.018  | 152   | 127360   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.368   | 65    | 52203    | 37.679   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 75.360%  |
| 7) Chloroethane-d5            | 1.648   | 69    | 35627    | 40.841   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 81.680%  |
| 11) 1,1-Dichloroethene-d2     | 2.294   | 65    | 24620    | 40.602   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 81.200%  |
| 21) 2-Butanone-d5             | 4.465   | 46    | 96117    | 96.268   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 96.270%  |
| 24) Chloroform-d              | 5.056   | 84    | 125509   | 45.054   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 90.100%  |
| 26) 1,2-Dichloroethane-d4     | 5.952   | 65    | 73042    | 44.422   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 88.840%  |
| 32) Benzene-d6                | 5.970   | 84    | 247267   | 42.301   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 84.600%  |
| 36) 1,2-Dichloropropane-d6    | 7.306   | 67    | 74888    | 42.571   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 85.140%  |
| 41) Toluene-d8                | 8.647   | 98    | 230962   | 42.400   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 84.800%  |
| 43) trans-1,3-Dichloroprop... | 8.952   | 79    | 32211    | 42.368   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 84.740%  |
| 47) 2-Hexanone-d5             | 9.384   | 63    | 74174    | 92.892   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 92.890%  |
| 56) 1,1,2,2-Tetrachloroeth... | 11.189  | 84    | 121110   | 46.569   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 93.140%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.317  | 152   | 107661   | 43.522   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 87.040%  |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.166   | 85    | 76307    | 44.818   | ug/L   | 99       |
| 3) Chloromethane              | 1.301   | 50    | 72005    | 41.850   | ug/L   | 99       |
| 5) Vinyl chloride             | 1.374   | 62    | 71857    | 42.461   | ug/L   | 99       |
| 6) Bromomethane               | 1.599   | 94    | 39372    | 42.697   | ug/L   | 98       |
| 8) Chloroethane               | 1.666   | 64    | 38804    | 46.003   | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 1.874   | 101   | 102830   | 46.688   | ug/L   | 97       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.319   | 101   | 74402    | 49.018   | ug/L   | 98       |
| 12) 1,1-Dichloroethene        | 2.306   | 96    | 67343    | 46.840   | ug/L   | 94       |
| 13) Acetone                   | 2.392   | 43    | 62716    | 92.078   | ug/L   | 95       |
| 14) Carbon disulfide          | 2.502   | 76    | 147236   | 41.164   | ug/L   | 99       |
| 15) Methyl Acetate            | 2.709   | 43    | 79990    | 46.221   | ug/L   | 99       |
| 16) Methylene chloride        | 2.788   | 84    | 76352    | 43.043   | ug/L   | 99       |
| 17) trans-1,2-Dichloroethene  | 3.087   | 96    | 68028    | 46.004   | ug/L   | 98       |
| 18) Methyl tert-butyl Ether   | 3.117   | 73    | 225896   | 46.715   | ug/L   | 100      |
| 19) 1,1-Dichloroethane        | 3.605   | 63    | 125405   | 47.226   | ug/L   | 99       |
| 20) cis-1,2-Dichloroethene    | 4.483   | 96    | 81213    | 46.748   | ug/L   | 99       |
| 22) 2-Butanone                | 4.562   | 43    | 105312   | 92.368   | ug/L   | 98       |
| 23) Bromochloromethane        | 4.904   | 128   | 44277    | 47.690   | ug/L   | 97       |
| 25) Chloroform                | 5.086   | 83    | 135466   | 48.655   | ug/L   | 99       |

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 MSVOA\_X  
 ClientSampleId :  
 VSTD050747

Quant Time: Jul 19 05:26:31 2024  
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 Quant Title : VOC Analysis  
 QLast Update : Tue Jul 09 02:35:21 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 6.086  | 62   | 97690    | 47.346 | ug/L  | 99       |
| 29) Cyclohexane               | 5.464  | 56   | 108378   | 44.344 | ug/L  | 98       |
| 30) 1,1,1-Trichloroethane     | 5.379  | 97   | 115203   | 46.790 | ug/L  | 99       |
| 31) Carbon tetrachloride      | 5.672  | 117  | 101840   | 47.353 | ug/L  | 100      |
| 33) Benzene                   | 6.031  | 78   | 292015   | 46.176 | ug/L  | 100      |
| 34) Trichloroethene           | 7.123  | 95   | 76633    | 46.261 | ug/L  | 99       |
| 35) Methylcyclohexane         | 7.373  | 83   | 119564   | 47.602 | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 7.427  | 63   | 74872    | 46.142 | ug/L  | 100      |
| 38) Bromodichloromethane      | 7.818  | 83   | 92931    | 46.769 | ug/L  | 100      |
| 39) cis-1,3-Dichloropropene   | 8.366  | 75   | 114980   | 48.124 | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 8.574  | 43   | 218259   | 94.305 | ug/L  | 99       |
| 42) Toluene                   | 8.714  | 91   | 321230   | 47.604 | ug/L  | 98       |
| 44) trans-1,3-Dichloropropene | 8.976  | 75   | 102340   | 47.775 | ug/L  | 97       |
| 45) 1,1,2-Trichloroethane     | 9.153  | 97   | 82779    | 47.679 | ug/L  | 97       |
| 46) Tetrachloroethene         | 9.269  | 164  | 75244    | 48.527 | ug/L  | 98       |
| 48) 2-Hexanone                | 9.433  | 43   | 168314   | 92.607 | ug/L  | 100      |
| 49) Dibromochloromethane      | 9.519  | 129  | 85353    | 48.271 | ug/L  | 98       |
| 50) 1,2-Dibromoethane         | 9.610  | 107  | 88319    | 47.365 | ug/L  | 99       |
| 51) Chlorobenzene             | 10.079 | 112  | 222349   | 48.002 | ug/L  | 97       |
| 52) Ethylbenzene              | 10.189 | 91   | 353972   | 48.271 | ug/L  | 98       |
| 53) m,p-Xylene                | 10.299 | 106  | 145131   | 49.171 | ug/L  | 99       |
| 54) o-Xylene                  | 10.640 | 106  | 142978   | 48.495 | ug/L  | 99       |
| 55) Styrene                   | 10.652 | 104  | 245099   | 49.891 | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 132575   | 47.576 | ug/L  | 99       |
| 59) Bromoform                 | 10.799 | 173  | 72296    | 45.286 | ug/L  | 100      |
| 60) Isopropylbenzene          | 10.963 | 105  | 372990   | 46.776 | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 11.238 | 75   | 100706   | 44.530 | ug/L  | 100      |
| 62) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 286025   | 47.172 | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 307665   | 47.346 | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.969 | 146  | 189399   | 47.362 | ug/L  | 100      |
| 65) 1,4-Dichlorobenzene       | 12.036 | 146  | 192535   | 47.596 | ug/L  | 98       |
| 67) 1,2-Dichlorobenzene       | 12.335 | 146  | 191580   | 46.539 | ug/L  | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 12.939 | 75   | 25439    | 43.942 | ug/L  | 88       |
| 69) 1,3,5-Trichlorobenzene    | 13.109 | 180  | 145510   | 50.079 | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.585 | 180  | 128134   | 48.485 | ug/L  | 99       |
| 71) Naphthalene               | 13.774 | 128  | 384994   | 47.124 | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 134992   | 48.339 | ug/L  | 100      |

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

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