

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV051024\  
 Data File : VV035570.D  
 Acq On : 10 May 2024 09:10  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD050359

Quant Time: May 10 23:41:18 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM050124WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Mon May 06 13:46:00 2024  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|----------|--------|----------|
| -----                         |                |      |            |          |        |          |
| Internal Standards            |                |      |            |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.529          | 114  | 531945     | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.783          | 117  | 527698     | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.181         | 152  | 282921     | 50.000   | ug/L   | 0.00     |
|                               |                |      |            |          |        |          |
| System Monitoring Compounds   |                |      |            |          |        |          |
| 4) Vinyl Chloride-d3          | 1.278          | 65   | 193662     | 47.216   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = | 94.440%  |        |          |
| 7) Chloroethane-d5            | 1.523          | 69   | 158677     | 52.497   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = | 105.000% |        |          |
| 11) 1,1-Dichloroethene-d2     | 2.053          | 65   | 81022      | 46.018   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 92.040%  |        |          |
| 21) 2-Butanone-d5             | 3.780          | 46   | 263101     | 95.046   | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = | 95.050%  |        |          |
| 24) Chloroform-d              | 4.243          | 84   | 371338     | 49.358   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 98.720%  |        |          |
| 26) 1,2-Dichloroethane-d4     | 4.937          | 65   | 225183     | 50.825   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 101.640% |        |          |
| 32) Benzene-d6                | 4.953          | 84   | 719972     | 48.472   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 96.940%  |        |          |
| 36) 1,2-Dichloropropane-d6    | 5.982          | 67   | 226565     | 48.921   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = | 97.840%  |        |          |
| 41) Toluene-d8                | 7.239          | 98   | 655367     | 48.473   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 96.940%  |        |          |
| 43) trans-1,3-Dichloroprop... | 7.548          | 79   | 112393     | 49.793   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 99.580%  |        |          |
| 47) 2-Hexanone-d5             | 8.021          | 63   | 200951     | 94.422   | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = | 94.420%  |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.149         | 84   | 335719     | 47.572   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = | 95.140%  |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.557         | 152  | 260214     | 46.293   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 92.580%  |        |          |
|                               |                |      |            |          |        |          |
| Target Compounds              |                |      |            |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.105          | 85   | 225707     | 63.336   | ug/L   | 100      |
| 3) Chloromethane              | 1.214          | 50   | 227362     | 58.892   | ug/L   | 98       |
| 5) Vinyl chloride             | 1.281          | 62   | 233541     | 57.443   | ug/L   | 99       |
| 6) Bromomethane               | 1.477          | 94   | 95873      | 37.088   | ug/L   | 100      |
| 8) Chloroethane               | 1.539          | 64   | 147741     | 63.202   | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 1.709          | 101  | 298697     | 54.610   | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.063          | 101  | 188582     | 54.395   | ug/L   | 98       |
| 12) 1,1-Dichloroethene        | 2.066          | 96   | 170960     | 55.205   | ug/L   | 81       |
| 13) Acetone                   | 2.111          | 43   | 257332     | 100.415  | ug/L   | 99       |
| 14) Carbon disulfide          | 2.236          | 76   | 527171     | 64.800   | ug/L   | 99       |
| 15) Methyl Acetate            | 2.368          | 43   | 209766     | 50.460   | ug/L   | 99       |
| 16) Methylene chloride        | 2.442          | 84   | 210331     | 53.602   | ug/L   | 97       |
| 17) trans-1,2-Dichloroethene  | 2.690          | 96   | 184966     | 56.507   | ug/L   | 98       |
| 18) Methyl tert-butyl Ether   | 2.699          | 73   | 608094     | 52.824   | ug/L   | 100      |
| 19) 1,1-Dichloroethane        | 3.108          | 63   | 359625     | 52.322   | ug/L   | 98       |
| 20) cis-1,2-Dichloroethene    | 3.809          | 96   | 208097     | 53.452   | ug/L   | 97       |
| 22) 2-Butanone                | 3.860          | 43   | 290588     | 95.786   | ug/L   | 99       |
| 23) Bromochloromethane        | 4.140          | 128  | 114362     | 53.712   | ug/L   | 98       |
| 25) Chloroform                | 4.272          | 83   | 372528     | 52.510   | ug/L   | 100      |

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

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD050359

Quant Time: May 10 23:41:18 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM050124WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Mon May 06 13:46:00 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.034  | 62   | 282375   | 55.616 | ug/L  | 99       |
| 29) Cyclohexane               | 4.577  | 56   | 286121   | 60.728 | ug/L  | 100      |
| 30) 1,1,1-Trichloroethane     | 4.506  | 97   | 315686   | 52.273 | ug/L  | 99       |
| 31) Carbon tetrachloride      | 4.728  | 117  | 280860   | 53.786 | ug/L  | 99       |
| 33) Benzene                   | 5.005  | 78   | 785524   | 55.125 | ug/L  | 100      |
| 34) Trichloroethene           | 5.828  | 95   | 214817   | 56.649 | ug/L  | 99       |
| 35) Methylcyclohexane         | 6.046  | 83   | 329590   | 61.611 | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 6.088  | 63   | 213221   | 54.460 | ug/L  | 99       |
| 38) Bromodichloromethane      | 6.429  | 83   | 279604   | 51.909 | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 6.950  | 75   | 338843   | 55.132 | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 7.152  | 43   | 518281   | 99.170 | ug/L  | 99       |
| 42) Toluene                   | 7.310  | 91   | 833929   | 55.783 | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 7.577  | 75   | 324572   | 55.597 | ug/L  | 99       |
| 45) 1,1,2-Trichloroethane     | 7.763  | 97   | 216074   | 51.603 | ug/L  | 98       |
| 46) Tetrachloroethene         | 7.902  | 164  | 168807   | 55.115 | ug/L  | 99       |
| 48) 2-Hexanone                | 8.072  | 43   | 415684   | 97.756 | ug/L  | 98       |
| 49) Dibromochloromethane      | 8.172  | 129  | 226862   | 51.759 | ug/L  | 99       |
| 50) 1,2-Dibromoethane         | 8.278  | 107  | 235013   | 53.721 | ug/L  | 100      |
| 51) Chlorobenzene             | 8.812  | 112  | 542709   | 52.295 | ug/L  | 99       |
| 52) Ethylbenzene              | 8.943  | 91   | 887494   | 54.951 | ug/L  | 99       |
| 53) m,p-Xylene                | 9.069  | 106  | 343558   | 57.341 | ug/L  | 96       |
| 54) o-Xylene                  | 9.474  | 106  | 327991   | 54.327 | ug/L  | 97       |
| 55) Styrene                   | 9.493  | 104  | 596974   | 57.212 | ug/L  | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 10.175 | 83   | 327095   | 45.656 | ug/L  | 100      |
| 59) Bromoform                 | 9.660  | 173  | 183235   | 50.072 | ug/L  | 100      |
| 60) Isopropylbenzene          | 9.863  | 105  | 887585   | 54.327 | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 10.207 | 75   | 268567   | 47.317 | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 10.474 | 105  | 570714   | 43.647 | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 10.850 | 105  | 719769   | 54.896 | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.114 | 146  | 439953   | 52.004 | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 11.207 | 146  | 450840   | 50.503 | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 11.577 | 146  | 446147   | 50.406 | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.361 | 75   | 79831    | 47.758 | ug/L  | 96       |
| 69) 1,3,5-Trichlorobenzene    | 12.580 | 180  | 330364   | 51.447 | ug/L  | 100      |
| 70) 1,2,4-trichlorobenzene    | 13.197 | 180  | 300893   | 53.191 | ug/L  | 100      |
| 71) Naphthalene               | 13.435 | 128  | 868617   | 54.786 | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.676 | 180  | 323627   | 55.115 | ug/L  | 100      |

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

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