

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV050324\  
 Data File : VV035523.D  
 Acq On : 03 May 2024 08:45  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD050350

Quant Time: May 03 23:13:24 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM050124WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri May 03 05:13:05 2024  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|----------|--------|----------|
| -----                         |                |      |            |          |        |          |
| Internal Standards            |                |      |            |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.529          | 114  | 482095     | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.783          | 117  | 494737     | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.181         | 152  | 269357     | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |                |      |            |          |        |          |
| 4) Vinyl Chloride-d3          | 1.278          | 65   | 166383     | 44.760   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = | 89.520%  |        |          |
| 7) Chloroethane-d5            | 1.529          | 69   | 145998     | 53.297   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = | 106.600% |        |          |
| 11) 1,1-Dichloroethene-d2     | 2.056          | 65   | 72749      | 45.591   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 91.180%  |        |          |
| 21) 2-Butanone-d5             | 3.789          | 46   | 232908     | 92.839   | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = | 92.840%  |        |          |
| 24) Chloroform-d              | 4.243          | 84   | 345551     | 50.680   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 101.360% |        |          |
| 26) 1,2-Dichloroethane-d4     | 4.937          | 65   | 203743     | 50.741   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 101.480% |        |          |
| 32) Benzene-d6                | 4.953          | 84   | 665514     | 47.790   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 95.580%  |        |          |
| 36) 1,2-Dichloropropane-d6    | 5.985          | 67   | 208878     | 48.107   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = | 96.220%  |        |          |
| 41) Toluene-d8                | 7.239          | 98   | 620058     | 48.917   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 97.840%  |        |          |
| 43) trans-1,3-Dichloroprop... | 7.548          | 79   | 92067      | 43.506   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 87.020%  |        |          |
| 47) 2-Hexanone-d5             | 8.021          | 63   | 185465     | 92.951   | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = | 92.950%  |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.149         | 84   | 317219     | 47.946   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = | 95.900%  |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.558         | 152  | 248863     | 46.503   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 93.000%  |        |          |
| Target Compounds              |                |      |            |          |        |          |
|                               |                |      |            |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.105          | 85   | 151693     | 46.968   | ug/L   | 100      |
| 3) Chloromethane              | 1.214          | 50   | 162630     | 46.481   | ug/L   | 100      |
| 5) Vinyl chloride             | 1.282          | 62   | 177796     | 48.253   | ug/L   | 99       |
| 6) Bromomethane               | 1.487          | 94   | 113473     | 48.436   | ug/L   | 99       |
| 8) Chloroethane               | 1.548          | 64   | 120758     | 57.001   | ug/L   | 98       |
| 9) Trichlorofluoromethane     | 1.709          | 101  | 247636     | 49.956   | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.066          | 101  | 154168     | 49.067   | ug/L   | 98       |
| 12) 1,1-Dichloroethene        | 2.066          | 96   | 139467     | 49.693   | ug/L   | 92       |
| 13) Acetone                   | 2.124          | 43   | 174772     | 75.251   | ug/L   | 99       |
| 14) Carbon disulfide          | 2.236          | 76   | 353171     | 47.901   | ug/L   | 99       |
| 15) Methyl Acetate            | 2.371          | 43   | 180849     | 48.002   | ug/L   | 99       |
| 16) Methylene chloride        | 2.442          | 84   | 176336     | 49.585   | ug/L   | 99       |
| 17) trans-1,2-Dichloroethene  | 2.690          | 96   | 147639     | 49.768   | ug/L   | 99       |
| 18) Methyl tert-butyl Ether   | 2.699          | 73   | 507900     | 48.683   | ug/L   | 100      |
| 19) 1,1-Dichloroethane        | 3.108          | 63   | 312389     | 50.149   | ug/L   | 98       |
| 20) cis-1,2-Dichloroethene    | 3.809          | 96   | 171875     | 48.713   | ug/L   | 97       |
| 22) 2-Butanone                | 3.870          | 43   | 236622     | 86.062   | ug/L   | 100      |
| 23) Bromochloromethane        | 4.143          | 128  | 97089      | 50.314   | ug/L   | 98       |
| 25) Chloroform                | 4.272          | 83   | 328926     | 51.158   | ug/L   | 100      |

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

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD050350

Quant Time: May 03 23:13:24 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM050124WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri May 03 05:13:05 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.037  | 62   | 236814   | 51.465 | ug/L  | 99       |
| 29) Cyclohexane               | 4.577  | 56   | 202097   | 45.752 | ug/L  | 100      |
| 30) 1,1,1-Trichloroethane     | 4.506  | 97   | 274219   | 48.432 | ug/L  | 100      |
| 31) Carbon tetrachloride      | 4.732  | 117  | 237721   | 48.558 | ug/L  | 99       |
| 33) Benzene                   | 5.005  | 78   | 653072   | 48.883 | ug/L  | 100      |
| 34) Trichloroethene           | 5.828  | 95   | 170806   | 48.044 | ug/L  | 99       |
| 35) Methylcyclohexane         | 6.047  | 83   | 224848   | 44.831 | ug/L  | 98       |
| 37) 1,2-Dichloropropane       | 6.088  | 63   | 183302   | 49.937 | ug/L  | 98       |
| 38) Bromodichloromethane      | 6.429  | 83   | 248810   | 49.270 | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 6.950  | 75   | 257903   | 44.758 | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 7.153  | 43   | 479343   | 97.830 | ug/L  | 98       |
| 42) Toluene                   | 7.310  | 91   | 698812   | 49.859 | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene | 7.577  | 75   | 249428   | 45.572 | ug/L  | 99       |
| 45) 1,1,2-Trichloroethane     | 7.764  | 97   | 192884   | 49.133 | ug/L  | 99       |
| 46) Tetrachloroethene         | 7.902  | 164  | 136747   | 47.622 | ug/L  | 98       |
| 48) 2-Hexanone                | 8.072  | 43   | 387068   | 97.091 | ug/L  | 99       |
| 49) Dibromochloromethane      | 8.172  | 129  | 202686   | 49.324 | ug/L  | 98       |
| 50) 1,2-Dibromoethane         | 8.278  | 107  | 200191   | 48.810 | ug/L  | 99       |
| 51) Chlorobenzene             | 8.809  | 112  | 464405   | 47.731 | ug/L  | 99       |
| 52) Ethylbenzene              | 8.944  | 91   | 745375   | 49.226 | ug/L  | 99       |
| 53) m,p-Xylene                | 9.069  | 106  | 285452   | 50.817 | ug/L  | 99       |
| 54) o-Xylene                  | 9.474  | 106  | 277896   | 49.096 | ug/L  | 100      |
| 55) Styrene                   | 9.493  | 104  | 523050   | 53.467 | ug/L  | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 10.175 | 83   | 315780   | 47.013 | ug/L  | 100      |
| 59) Bromoform                 | 9.661  | 173  | 164722   | 47.280 | ug/L  | 100      |
| 60) Isopropylbenzene          | 9.863  | 105  | 764965   | 49.179 | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 10.204 | 75   | 252405   | 46.709 | ug/L  | 100      |
| 62) 1,3,5-Trimethylbenzene    | 10.474 | 105  | 604735   | 48.578 | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 10.850 | 105  | 616600   | 49.396 | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.114 | 146  | 387936   | 48.164 | ug/L  | 100      |
| 65) 1,4-Dichlorobenzene       | 11.204 | 146  | 402428   | 47.350 | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 11.577 | 146  | 401037   | 47.591 | ug/L  | 100      |
| 68) 1,2-Dibromo-3-chloropr... | 12.361 | 75   | 73117    | 45.944 | ug/L  | 99       |
| 69) 1,3,5-Trichlorobenzene    | 12.580 | 180  | 287768   | 47.070 | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.194 | 180  | 256762   | 47.675 | ug/L  | 100      |
| 71) Naphthalene               | 13.435 | 128  | 684259   | 45.331 | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 13.677 | 180  | 275489   | 49.280 | ug/L  | 99       |

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

