

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV050124\  
 Data File : VV035492.D  
 Acq On : 01 May 2024 13:03  
 Operator : SY/MD  
 Sample : VSTDICV050  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VICV253

Quant Time: May 02 01:15:43 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM050124WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu May 02 01:07:15 2024  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.532   | 114   | 546341   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.783   | 117   | 531205   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.185  | 152   | 281601   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.278   | 65    | 196210   | 46.577   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 93.160%  |
| 7) Chloroethane-d5            | 1.529   | 69    | 157603   | 50.768   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 101.540% |
| 11) 1,1-Dichloroethene-d2     | 2.056   | 65    | 83310    | 46.070   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 92.140%  |
| 21) 2-Butanone-d5             | 3.789   | 46    | 283091   | 99.573   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 99.570%  |
| 24) Chloroform-d              | 4.246   | 84    | 368584   | 47.701   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 95.400%  |
| 26) 1,2-Dichloroethane-d4     | 4.937   | 65    | 215761   | 47.415   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 94.840%  |
| 32) Benzene-d6                | 4.957   | 84    | 730929   | 48.884   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 97.760%  |
| 36) 1,2-Dichloropropane-d6    | 5.985   | 67    | 227139   | 48.721   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 97.440%  |
| 41) Toluene-d8                | 7.239   | 98    | 685296   | 50.352   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 100.700% |
| 43) trans-1,3-Dichloroprop... | 7.551   | 79    | 110077   | 48.445   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 96.900%  |
| 47) 2-Hexanone-d5             | 8.021   | 63    | 222496   | 103.855  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 103.850% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.149  | 84    | 337069   | 47.448   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 94.900%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.558  | 152   | 262266   | 46.877   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 93.760%  |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.105   | 85    | 174259   | 47.610   | ug/L   | 99       |
| 3) Chloromethane              | 1.214   | 50    | 184379   | 46.500   | ug/L   | 98       |
| 5) Vinyl chloride             | 1.281   | 62    | 199688   | 47.822   | ug/L   | 99       |
| 6) Bromomethane               | 1.487   | 94    | 130190   | 49.037   | ug/L   | 100      |
| 8) Chloroethane               | 1.548   | 64    | 127735   | 53.204   | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 1.709   | 101   | 273501   | 48.686   | ug/L   | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.066   | 101   | 175462   | 49.277   | ug/L   | 98       |
| 12) 1,1-Dichloroethene        | 2.066   | 96    | 154276   | 48.505   | ug/L   | 92       |
| 13) Acetone                   | 2.124   | 43    | 221545   | 84.172   | ug/L   | 99       |
| 14) Carbon disulfide          | 2.236   | 76    | 398708   | 47.718   | ug/L   | 100      |
| 15) Methyl Acetate            | 2.375   | 43    | 213640   | 50.038   | ug/L   | 100      |
| 16) Methylene chloride        | 2.442   | 84    | 190001   | 47.145   | ug/L   | 99       |
| 17) trans-1,2-Dichloroethene  | 2.690   | 96    | 167000   | 49.674   | ug/L   | 97       |
| 18) Methyl tert-butyl Ether   | 2.703   | 73    | 586923   | 49.642   | ug/L   | 100      |
| 19) 1,1-Dichloroethane        | 3.108   | 63    | 340937   | 48.296   | ug/L   | 99       |
| 20) cis-1,2-Dichloroethene    | 3.812   | 96    | 195685   | 48.940   | ug/L   | 97       |
| 22) 2-Butanone                | 3.870   | 43    | 298245   | 95.719   | ug/L   | 99       |
| 23) Bromochloromethane        | 4.143   | 128   | 104341   | 47.714   | ug/L   | 97       |
| 25) Chloroform                | 4.272   | 83    | 354257   | 48.619   | ug/L   | 99       |

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 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VICV253

Quant Time: May 02 01:15:43 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM050124WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu May 02 01:07:15 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.037  | 62   | 253324   | 48.579  | ug/L  | 100      |
| 29) Cyclohexane               | 4.577  | 56   | 244156   | 51.479  | ug/L  | 100      |
| 30) 1,1,1-Trichloroethane     | 4.506  | 97   | 300908   | 49.497  | ug/L  | 99       |
| 31) Carbon tetrachloride      | 4.731  | 117  | 260987   | 49.651  | ug/L  | 100      |
| 33) Benzene                   | 5.005  | 78   | 719070   | 50.128  | ug/L  | 100      |
| 34) Trichloroethene           | 5.831  | 95   | 189819   | 49.726  | ug/L  | 99       |
| 35) Methylcyclohexane         | 6.047  | 83   | 278608   | 51.737  | ug/L  | 100      |
| 37) 1,2-Dichloropropane       | 6.092  | 63   | 200774   | 50.942  | ug/L  | 99       |
| 38) Bromodichloromethane      | 6.429  | 83   | 265708   | 49.004  | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 6.950  | 75   | 317901   | 51.383  | ug/L  | 100      |
| 40) 4-Methyl-2-pentanone      | 7.153  | 43   | 559502   | 106.351 | ug/L  | 99       |
| 42) Toluene                   | 7.313  | 91   | 773561   | 51.403  | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 7.577  | 75   | 302758   | 51.518  | ug/L  | 100      |
| 45) 1,1,2-Trichloroethane     | 7.767  | 97   | 209965   | 49.813  | ug/L  | 99       |
| 46) Tetrachloroethene         | 7.902  | 164  | 153303   | 49.722  | ug/L  | 98       |
| 48) 2-Hexanone                | 8.072  | 43   | 444627   | 103.872 | ug/L  | 99       |
| 49) Dibromochloromethane      | 8.172  | 129  | 216814   | 49.140  | ug/L  | 99       |
| 50) 1,2-Dibromoethane         | 8.278  | 107  | 219394   | 49.820  | ug/L  | 100      |
| 51) Chlorobenzene             | 8.812  | 112  | 514855   | 49.284  | ug/L  | 100      |
| 52) Ethylbenzene              | 8.944  | 91   | 840488   | 51.697  | ug/L  | 99       |
| 53) m,p-Xylene                | 9.069  | 106  | 320597   | 53.156  | ug/L  | 99       |
| 54) o-Xylene                  | 9.477  | 106  | 315028   | 51.836  | ug/L  | 96       |
| 55) Styrene                   | 9.493  | 104  | 568089   | 54.084  | ug/L  | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 10.175 | 83   | 349242   | 48.425  | ug/L  | 98       |
| 59) Bromoform                 | 9.664  | 173  | 177014   | 48.599  | ug/L  | 100      |
| 60) Isopropylbenzene          | 9.863  | 105  | 863464   | 53.098  | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 10.207 | 75   | 273934   | 48.489  | ug/L  | 100      |
| 62) 1,3,5-Trimethylbenzene    | 10.474 | 105  | 701649   | 53.912  | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 10.850 | 105  | 706433   | 54.132  | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.114 | 146  | 422061   | 50.123  | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 11.207 | 146  | 431851   | 48.603  | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 11.577 | 146  | 433434   | 49.199  | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.361 | 75   | 82719    | 49.717  | ug/L  | 100      |
| 69) 1,3,5-Trichlorobenzene    | 12.580 | 180  | 321152   | 50.247  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.197 | 180  | 290579   | 51.608  | ug/L  | 100      |
| 71) Naphthalene               | 13.435 | 128  | 812691   | 51.499  | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.676 | 180  | 305052   | 52.195  | ug/L  | 100      |

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

