

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU043023\  
 Data File : VU053984.D  
 Acq On : 29 Apr 2023 14:04  
 Operator : JC/MD  
 Sample : VSTD10020  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD100020

Quant Time: May 01 01:52:57 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM042923WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Mon May 01 01:49:52 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Difluorobenzene        | 6.244  | 114  | 280951   | 50.000  | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 9.411  | 117  | 264318   | 50.000  | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.806 | 152  | 143575   | 50.000  | ug/L  | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 4) Vinyl Chloride-d3          | 1.597  | 65   | 223674   | 103.351 | ug/L  | 0.00     |
| 7) Chloroethane-d5            | 1.913  | 69   | 144620   | 88.796  | ug/L  | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 2.565  | 63   | 390152   | 113.295 | ug/L  | 0.00     |
| 21) 2-Butanone-d5             | 4.620  | 46   | 267267   | 258.586 | ug/L  | 0.00     |
| 24) Chloroform-d              | 5.057  | 84   | 406850   | 111.148 | ug/L  | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 5.694  | 65   | 258144   | 117.622 | ug/L  | 0.00     |
| 32) Benzene-d6                | 5.723  | 84   | 806991   | 111.380 | ug/L  | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 6.684  | 67   | 254913   | 113.914 | ug/L  | 0.00     |
| 41) Toluene-d8                | 7.893  | 98   | 736340   | 103.651 | ug/L  | 0.00     |
| 43) trans-1,3-Dichloroprop... | 8.173  | 79   | 130563   | 113.171 | ug/L  | 0.00     |
| 47) 2-Hexanone-d5             | 8.629  | 63   | 192624   | 249.306 | ug/L  | 0.00     |
| 56) 1,1,2,2-Tetrachloroeth... | 10.751 | 84   | 332521   | 107.385 | ug/L  | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 12.189 | 152  | 290260   | 97.420  | ug/L  | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.385  | 85   | 200588   | 90.463  | ug/L  | 100      |
| 3) Chloromethane              | 1.520  | 50   | 180449   | 97.288  | ug/L  | 97       |
| 5) Vinyl chloride             | 1.604  | 62   | 197430   | 92.805  | ug/L  | 97       |
| 6) Bromomethane               | 1.858  | 94   | 107780   | 72.789  | ug/L  | 98       |
| 8) Chloroethane               | 1.932  | 64   | 104692   | 83.018  | ug/L  | 99       |
| 9) Trichlorofluoromethane     | 2.134  | 101  | 303576   | 92.885  | ug/L  | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.578  | 101  | 186023   | 97.336  | ug/L  | 99       |
| 12) 1,1-Dichloroethene        | 2.578  | 96   | 161688   | 94.992  | ug/L  | 96       |
| 13) Acetone                   | 2.636  | 43   | 222571   | 233.265 | ug/L  | 97       |
| 14) Carbon disulfide          | 2.790  | 76   | 371554   | 85.449  | ug/L  | 98       |
| 15) Methyl Acetate            | 2.948  | 43   | 188700   | 129.993 | ug/L  | 98       |
| 16) Methylene chloride        | 3.044  | 84   | 191544   | 98.297  | ug/L  | 100      |
| 17) trans-1,2-Dichloroethene  | 3.350  | 96   | 165038   | 96.612  | ug/L  | 98       |
| 18) Methyl tert-butyl Ether   | 3.359  | 73   | 618321   | 118.157 | ug/L  | 99       |
| 19) 1,1-Dichloroethane        | 3.864  | 63   | 355538   | 118.854 | ug/L  | 99       |
| 20) cis-1,2-Dichloroethene    | 4.662  | 96   | 206448   | 103.212 | ug/L  | 98       |
| 22) 2-Butanone                | 4.700  | 43   | 286918   | 250.755 | ug/L  | 97       |
| 23) Bromochloromethane        | 4.967  | 128  | 105312   | 95.778  | ug/L  | 98       |
| 25) Chloroform                | 5.083  | 83   | 374264   | 110.991 | ug/L  | 99       |
| 27) 1,2-Dichloroethane        | 5.787  | 62   | 284583   | 113.552 | ug/L  | 98       |
| 29) Cyclohexane               | 5.382  | 56   | 275095   | 107.019 | ug/L  | 97       |
| 30) 1,1,1-Trichloroethane     | 5.311  | 97   | 324167   | 109.011 | ug/L  | 100      |
| 31) Carbon tetrachloride      | 5.520  | 117  | 281625   | 106.422 | ug/L  | 98       |
| 33) Benzene                   | 5.768  | 78   | 757835   | 107.602 | ug/L  | 100      |
| 34) Trichloroethene           | 6.536  | 95   | 201402   | 96.972  | ug/L  | 99       |
| 35) Methylcyclohexane         | 6.758  | 83   | 287598   | 95.193  | ug/L  | 98       |
| 37) 1,2-Dichloropropane       | 6.784  | 63   | 209892   | 114.898 | ug/L  | 99       |
| 38) Bromodichloromethane      | 7.099  | 83   | 273273   | 113.440 | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 7.600  | 75   | 337999   | 113.754 | ug/L  | 97       |
| 40) 4-Methyl-2-pentanone      | 7.784  | 43   | 518584   | 255.467 | ug/L  | 100      |
| 42) Toluene                   | 7.964  | 91   | 796520   | 101.470 | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 8.205  | 75   | 328214   | 117.411 | ug/L  | 99       |

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| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 45) 1,1,2-Trichloroethane     | 8.391  | 97   | 205982   | 105.659 | ug/L  | 97       |
| 46) Tetrachloroethene         | 8.549  | 164  | 153946   | 90.662  | ug/L  | 98       |
| 48) 2-Hexanone                | 8.678  | 43   | 417545   | 254.418 | ug/L  | 99       |
| 49) Dibromochloromethane      | 8.803  | 129  | 210841   | 105.256 | ug/L  | 98       |
| 50) 1,2-Dibromoethane         | 8.915  | 107  | 212569   | 99.047  | ug/L  | 99       |
| 51) Chlorobenzene             | 9.443  | 112  | 524011   | 97.631  | ug/L  | 99       |
| 52) Ethylbenzene              | 9.565  | 91   | 905454   | 103.644 | ug/L  | 100      |
| 53) m,p-Xylene                | 9.687  | 106  | 342150   | 100.797 | ug/L  | 96       |
| 54) o-Xylene                  | 10.095 | 106  | 335795   | 100.287 | ug/L  | 98       |
| 55) Styrene                   | 10.108 | 104  | 588263   | 106.460 | ug/L  | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 10.777 | 83   | 321197   | 110.127 | ug/L  | 100      |
| 59) Bromoform                 | 10.285 | 173  | 165161   | 110.533 | ug/L  | 100      |
| 60) 1,2,3-Trichloropropane    | 10.816 | 75   | 255346   | 116.873 | ug/L  | 99       |
| 61) Isopropylbenzene          | 10.478 | 105  | 916375   | 106.456 | ug/L  | 100      |
| 62) 1,3,5-Trimethylbenzene    | 11.083 | 105  | 768630   | 107.695 | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 11.462 | 105  | 762600   | 107.807 | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.738 | 146  | 431646   | 97.225  | ug/L  | 98       |
| 65) 1,4-Dichlorobenzene       | 11.832 | 146  | 440914   | 97.192  | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 12.205 | 146  | 437592   | 98.612  | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.989 | 75   | 71976    | 123.076 | ug/L  | 99       |
| 69) 1,3,5-Trichlorobenzene    | 13.214 | 180  | 326369   | 99.631  | ug/L  | 100      |
| 70) 1,2,4-trichlorobenzene    | 13.835 | 180  | 308107   | 101.543 | ug/L  | 99       |
| 71) Naphthalene               | 14.079 | 128  | 940052   | 103.923 | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 14.324 | 180  | 310844   | 102.486 | ug/L  | 98       |

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

