

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW092022\  
 Data File : VW027960.D  
 Acq On : 20 Sep 2022 13:43  
 Operator : SY/MD  
 Sample : VSTD10061  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD100261

Quant Time: Sep 21 01:30:28 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM092022WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Sep 21 01:28:10 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Difluorobenzene        | 5.612  | 114  | 373612   | 50.000  | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 8.850  | 117  | 377029   | 50.000  | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.246 | 152  | 214498   | 50.000  | ug/L  | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 4) Vinyl Chloride-d3          | 1.301  | 65   | 349838   | 130.332 | ug/L  | 0.00     |
| 7) Chloroethane-d5            | 1.555  | 69   | 272220   | 137.212 | ug/L  | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 2.101  | 63   | 610698   | 124.992 | ug/L  | 0.00     |
| 21) 2-Butanone-d5             | 3.863  | 46   | 394483   | 180.421 | ug/L  | 0.00     |
| 24) Chloroform-d              | 4.339  | 84   | 559840   | 106.094 | ug/L  | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 5.024  | 65   | 361572   | 109.499 | ug/L  | 0.00     |
| 32) Benzene-d6                | 5.040  | 84   | 1115551  | 117.736 | ug/L  | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 6.063  | 67   | 359074   | 109.995 | ug/L  | 0.00     |
| 41) Toluene-d8                | 7.310  | 98   | 1090250  | 134.986 | ug/L  | 0.00     |
| 43) trans-1,3-Dichloroprop... | 7.616  | 79   | 190125   | 130.712 | ug/L  | 0.00     |
| 47) 2-Hexanone-d5             | 8.082  | 63   | 388463   | 248.430 | ug/L  | 0.00     |
| 56) 1,1,2,2-Tetrachloroeth... | 10.210 | 84   | 538757   | 103.329 | ug/L  | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 11.622 | 152  | 432238   | 114.123 | ug/L  | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.124  | 85   | 269511   | 84.224  | ug/L  | 100      |
| 3) Chloromethane              | 1.236  | 50   | 321821   | 87.953  | ug/L  | 100      |
| 5) Vinyl chloride             | 1.307  | 62   | 329592   | 89.642  | ug/L  | 98       |
| 6) Bromomethane               | 1.506  | 94   | 214764   | 116.728 | ug/L  | 99       |
| 8) Chloroethane               | 1.574  | 64   | 207708   | 100.404 | ug/L  | 99       |
| 9) Trichlorofluoromethane     | 1.744  | 101  | 483608   | 99.560  | ug/L  | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.108  | 101  | 263458   | 98.374  | ug/L  | 98       |
| 12) 1,1-Dichloroethene        | 2.111  | 96   | 265279   | 102.226 | ug/L  | 92       |
| 13) Acetone                   | 2.153  | 43   | 310777   | 182.283 | ug/L  | 100      |
| 14) Carbon disulfide          | 2.285  | 76   | 706924   | 83.769  | ug/L  | 100      |
| 15) Methyl Acetate            | 2.420  | 43   | 305924   | 81.165  | ug/L  | 99       |
| 16) Methylene chloride        | 2.497  | 84   | 290893   | 86.971  | ug/L  | 98       |
| 17) trans-1,2-Dichloroethene  | 2.751  | 96   | 256373   | 91.941  | ug/L  | 98       |
| 18) Methyl tert-butyl Ether   | 2.764  | 73   | 831749   | 99.570  | ug/L  | 99       |
| 19) 1,1-Dichloroethane        | 3.182  | 63   | 483543   | 87.139  | ug/L  | 99       |
| 20) cis-1,2-Dichloroethene    | 3.902  | 96   | 290464   | 99.561  | ug/L  | 98       |
| 22) 2-Butanone                | 3.947  | 43   | 427774   | 188.657 | ug/L  | 95       |
| 23) Bromochloromethane        | 4.236  | 128  | 151401   | 92.836  | ug/L  | 96       |
| 25) Chloroform                | 4.365  | 83   | 512436   | 90.206  | ug/L  | 99       |
| 27) 1,2-Dichloroethane        | 5.120  | 62   | 395265   | 88.935  | ug/L  | 100      |
| 29) Cyclohexane               | 4.670  | 56   | 406651   | 94.160  | ug/L  | 96       |
| 30) 1,1,1-Trichloroethane     | 4.600  | 97   | 446969   | 90.508  | ug/L  | 99       |
| 31) Carbon tetrachloride      | 4.821  | 117  | 391276   | 90.876  | ug/L  | 98       |
| 33) Benzene                   | 5.092  | 78   | 1085847  | 91.269  | ug/L  | 100      |
| 34) Trichloroethene           | 5.908  | 95   | 271157   | 89.721  | ug/L  | 98       |
| 35) Methylcyclohexane         | 6.124  | 83   | 467518   | 104.073 | ug/L  | 98       |
| 37) 1,2-Dichloropropane       | 6.165  | 63   | 309078   | 93.678  | ug/L  | 100      |
| 38) Bromodichloromethane      | 6.503  | 83   | 408262   | 93.529  | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 7.021  | 75   | 486758   | 109.484 | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 7.220  | 43   | 961874   | 207.829 | ug/L  | 100      |
| 42) Toluene                   | 7.384  | 91   | 1233937  | 102.803 | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 7.644  | 75   | 470915   | 107.205 | ug/L  | 98       |

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 ClientSampleId :  
 VSTD100261

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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM092022WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Sep 21 01:28:10 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 45) 1,1,2-Trichloroethane     | 7.834  | 97   | 297641   | 93.126  | ug/L  | 98       |
| 46) Tetrachloroethene         | 7.972  | 164  | 222626   | 98.666  | ug/L  | 98       |
| 48) 2-Hexanone                | 8.133  | 43   | 754854   | 202.977 | ug/L  | 99       |
| 49) Dibromochloromethane      | 8.243  | 129  | 327766   | 96.584  | ug/L  | 97       |
| 50) 1,2-Dibromoethane         | 8.349  | 107  | 306069   | 93.622  | ug/L  | 99       |
| 51) Chlorobenzene             | 8.876  | 112  | 782705   | 96.330  | ug/L  | 98       |
| 52) Ethylbenzene              | 9.008  | 91   | 1347087  | 107.025 | ug/L  | 99       |
| 53) m,p-Xylene                | 9.136  | 106  | 518368   | 108.831 | ug/L  | 96       |
| 54) o-Xylene                  | 9.541  | 106  | 508503   | 109.509 | ug/L  | 99       |
| 55) Styrene                   | 9.558  | 104  | 915337   | 112.709 | ug/L  | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 10.239 | 83   | 514752   | 95.625  | ug/L  | 99       |
| 59) Bromoform                 | 9.728  | 173  | 249727   | 98.605  | ug/L  | 99       |
| 60) Isopropylbenzene          | 9.927  | 105  | 1352409  | 101.777 | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 10.268 | 75   | 409463   | 85.795  | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 10.535 | 105  | 1180168  | 107.150 | ug/L  | 98       |
| 63) 1,2,4-Trimethylbenzene    | 10.911 | 105  | 1178384  | 108.720 | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.178 | 146  | 643477   | 99.138  | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 11.268 | 146  | 649702   | 95.452  | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 11.641 | 146  | 652959   | 97.041  | ug/L  | 100      |
| 68) 1,2-Dibromo-3-chloropr... | 12.426 | 75   | 127926   | 94.611  | ug/L  | 99       |
| 69) 1,3,5-Trichlorobenzene    | 12.641 | 180  | 509964   | 113.327 | ug/L  | 100      |
| 70) 1,2,4-trichlorobenzene    | 13.258 | 180  | 461137   | 120.988 | ug/L  | 99       |
| 71) Naphthalene               | 13.496 | 128  | 1600997  | 124.356 | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.741 | 180  | 480592   | 116.812 | ug/L  | 99       |

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

