

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW011823\  
 Data File : VW029891.D  
 Acq On : 18 Jan 2023 11:12  
 Operator : SY/MD  
 Sample : VSTD05004  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD050204

Quant Time: Jan 19 00:25:43 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM011823WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Jan 19 00:23:54 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Difluorobenzene        | 5.609  | 114  | 460254   | 50.000  | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 8.844  | 117  | 449999   | 50.000  | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.236 | 152  | 281871   | 50.000  | ug/L  | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 4) Vinyl Chloride-d3          | 1.304  | 65   | 166118   | 56.375  | ug/L  | 0.00     |
| 7) Chloroethane-d5            | 1.561  | 69   | 137856   | 60.416  | ug/L  | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 2.105  | 63   | 284315   | 60.934  | ug/L  | 0.00     |
| 21) 2-Butanone-d5             | 3.867  | 46   | 197314   | 111.157 | ug/L  | 0.00     |
| 24) Chloroform-d              | 4.339  | 84   | 305738   | 55.715  | ug/L  | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 5.021  | 65   | 171104   | 54.873  | ug/L  | 0.00     |
| 32) Benzene-d6                | 5.040  | 84   | 633165   | 52.354  | ug/L  | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 6.060  | 67   | 190597   | 51.673  | ug/L  | 0.00     |
| 41) Toluene-d8                | 7.307  | 98   | 586471   | 51.715  | ug/L  | 0.00     |
| 43) trans-1,3-Dichloroprop... | 7.613  | 79   | 87214    | 47.801  | ug/L  | 0.00     |
| 47) 2-Hexanone-d5             | 8.082  | 63   | 174326   | 109.821 | ug/L  | 0.00     |
| 56) 1,1,2,2-Tetrachloroeth... | 10.204 | 84   | 293300   | 54.855  | ug/L  | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 11.612 | 152  | 253748   | 47.483  | ug/L  | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.127  | 85   | 160000   | 45.562  | ug/L  | 100      |
| 3) Chloromethane              | 1.240  | 50   | 160136   | 40.604  | ug/L  | 100      |
| 5) Vinyl chloride             | 1.307  | 62   | 187727   | 53.379  | ug/L  | 100      |
| 6) Bromomethane               | 1.516  | 94   | 77625    | 56.320  | ug/L  | 100      |
| 8) Chloroethane               | 1.581  | 64   | 118105   | 58.969  | ug/L  | 100      |
| 9) Trichlorofluoromethane     | 1.751  | 101  | 248621   | 55.939  | ug/L  | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.114  | 101  | 148886   | 59.107  | ug/L  | 100      |
| 12) 1,1-Dichloroethene        | 2.114  | 96   | 144391   | 56.714  | ug/L  | 100      |
| 13) Acetone                   | 2.156  | 43   | 207077   | 156.719 | ug/L  | 100      |
| 14) Carbon disulfide          | 2.291  | 76   | 369254   | 46.116  | ug/L  | 100      |
| 15) Methyl Acetate            | 2.423  | 43   | 141184   | 54.152  | ug/L  | 100      |
| 16) Methylene chloride        | 2.500  | 84   | 171369   | 54.767  | ug/L  | 100      |
| 17) trans-1,2-Dichloroethene  | 2.754  | 96   | 152235   | 53.092  | ug/L  | 100      |
| 18) Methyl tert-butyl Ether   | 2.764  | 73   | 486212   | 54.934  | ug/L  | 100      |
| 19) 1,1-Dichloroethane        | 3.182  | 63   | 280332   | 56.186  | ug/L  | 100      |
| 20) cis-1,2-Dichloroethene    | 3.902  | 96   | 174703   | 54.965  | ug/L  | 100      |
| 22) 2-Butanone                | 3.950  | 43   | 233916   | 123.849 | ug/L  | 100      |
| 23) Bromochloromethane        | 4.236  | 128  | 91726    | 55.800  | ug/L  | 100      |
| 25) Chloroform                | 4.365  | 83   | 293607   | 56.794  | ug/L  | 100      |
| 27) 1,2-Dichloroethane        | 5.121  | 62   | 205687   | 56.373  | ug/L  | 100      |
| 29) Cyclohexane               | 4.671  | 56   | 229440   | 47.726  | ug/L  | 100      |
| 30) 1,1,1-Trichloroethane     | 4.600  | 97   | 251516   | 51.082  | ug/L  | 100      |
| 31) Carbon tetrachloride      | 4.818  | 117  | 215131   | 50.409  | ug/L  | 100      |
| 33) Benzene                   | 5.092  | 78   | 670655   | 52.439  | ug/L  | 100      |
| 34) Trichloroethene           | 5.905  | 95   | 161891   | 50.890  | ug/L  | 100      |
| 35) Methylcyclohexane         | 6.124  | 83   | 270631   | 50.288  | ug/L  | 100      |
| 37) 1,2-Dichloropropane       | 6.166  | 63   | 171684   | 55.086  | ug/L  | 100      |
| 38) Bromodichloromethane      | 6.500  | 83   | 220957   | 51.921  | ug/L  | 100      |
| 39) cis-1,3-Dichloropropene   | 7.018  | 75   | 242346   | 48.801  | ug/L  | 100      |
| 40) 4-Methyl-2-pentanone      | 7.220  | 43   | 397119   | 107.622 | ug/L  | 100      |
| 42) Toluene                   | 7.378  | 91   | 718984   | 52.348  | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene | 7.641  | 75   | 226618   | 48.128  | ug/L  | 100      |

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Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD050204

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 Quant Title : VOC Analysis  
 QLast Update : Thu Jan 19 00:23:54 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 45) 1,1,2-Trichloroethane     | 7.828  | 97   | 173626   | 54.065  | ug/L  | 100      |
| 46) Tetrachloroethene         | 7.966  | 164  | 133156   | 51.910  | ug/L  | 100      |
| 48) 2-Hexanone                | 8.133  | 43   | 327014   | 113.844 | ug/L  | 100      |
| 49) Dibromochloromethane      | 8.236  | 129  | 181077   | 51.744  | ug/L  | 100      |
| 50) 1,2-Dibromoethane         | 8.342  | 107  | 174840   | 53.087  | ug/L  | 100      |
| 51) Chlorobenzene             | 8.873  | 112  | 470545   | 53.705  | ug/L  | 100      |
| 52) Ethylbenzene              | 9.002  | 91   | 763984   | 52.940  | ug/L  | 100      |
| 53) m,p-Xylene                | 9.127  | 106  | 303139   | 53.014  | ug/L  | 100      |
| 54) o-Xylene                  | 9.532  | 106  | 296285   | 52.516  | ug/L  | 100      |
| 55) Styrene                   | 9.551  | 104  | 551929   | 55.620  | ug/L  | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 10.230 | 83   | 287411   | 55.613  | ug/L  | 100      |
| 59) Bromoform                 | 9.719  | 173  | 129979   | 43.415  | ug/L  | 100      |
| 60) Isopropylbenzene          | 9.921  | 105  | 788223   | 48.553  | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 10.262 | 75   | 212949   | 49.349  | ug/L  | 100      |
| 62) 1,3,5-Trimethylbenzene    | 10.529 | 105  | 690577   | 48.121  | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 10.902 | 105  | 693141   | 48.743  | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.169 | 146  | 405252   | 50.330  | ug/L  | 100      |
| 65) 1,4-Dichlorobenzene       | 11.262 | 146  | 409462   | 49.973  | ug/L  | 100      |
| 67) 1,2-Dichlorobenzene       | 11.632 | 146  | 406799   | 49.496  | ug/L  | 100      |
| 68) 1,2-Dibromo-3-chloropr... | 12.413 | 75   | 57988    | 44.093  | ug/L  | 100      |
| 69) 1,3,5-Trichlorobenzene    | 12.632 | 180  | 310645   | 48.833  | ug/L  | 100      |
| 70) 1,2,4-trichlorobenzene    | 13.246 | 180  | 274990   | 48.701  | ug/L  | 100      |
| 71) Naphthalene               | 13.490 | 128  | 768221   | 57.420  | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.728 | 180  | 273421   | 49.402  | ug/L  | 100      |

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

