

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW111323\  
 Data File : VW032924.D  
 Acq On : 13 Nov 2023 11:31  
 Operator : SY/MD  
 Sample : VSTD20003  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD200203

Quant Time: Nov 13 22:50:31 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM111323WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Mon Nov 13 22:47:32 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Difluorobenzene        | 5.532  | 114  | 437073   | 50.000  | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 8.786  | 117  | 450457   | 50.000  | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.188 | 152  | 267818   | 50.000  | ug/L  | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 4) Vinyl Chloride-d3          | 1.278  | 65   | 727957   | 196.925 | ug/L  | 0.00     |
| 7) Chloroethane-d5            | 1.523  | 69   | 610147   | 199.213 | ug/L  | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 2.056  | 65   | 317752   | 197.288 | ug/L  | 0.00     |
| 21) 2-Butanone-d5             | 3.773  | 46   | 707199   | 471.079 | ug/L  | 0.00     |
| 24) Chloroform-d              | 4.246  | 84   | 1301737  | 203.836 | ug/L  | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 4.937  | 65   | 797230   | 205.164 | ug/L  | 0.00     |
| 32) Benzene-d6                | 4.956  | 84   | 2519387  | 205.066 | ug/L  | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 5.985  | 67   | 742672   | 207.966 | ug/L  | 0.00     |
| 41) Toluene-d8                | 7.243  | 98   | 2392174  | 211.192 | ug/L  | 0.00     |
| 43) trans-1,3-Dichloroprop... | 7.548  | 79   | 426709   | 225.077 | ug/L  | 0.00     |
| 47) 2-Hexanone-d5             | 8.021  | 63   | 660387   | 513.985 | ug/L  | 0.00     |
| 56) 1,1,2,2-Tetrachloroeth... | 10.152 | 84   | 1135022  | 216.967 | ug/L  | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 11.561 | 152  | 1087803  | 209.033 | ug/L  | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.105  | 85   | 709046   | 187.609 | ug/L  | 100      |
| 3) Chloromethane              | 1.214  | 50   | 715219   | 191.522 | ug/L  | 99       |
| 5) Vinyl chloride             | 1.281  | 62   | 731467   | 194.668 | ug/L  | 99       |
| 6) Bromomethane               | 1.471  | 94   | 524557   | 210.595 | ug/L  | 100      |
| 8) Chloroethane               | 1.539  | 64   | 468492   | 197.436 | ug/L  | 98       |
| 9) Trichlorofluoromethane     | 1.709  | 101  | 1129938  | 189.395 | ug/L  | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.066  | 101  | 647960   | 187.481 | ug/L  | 99       |
| 12) 1,1-Dichloroethene        | 2.066  | 96   | 610758   | 197.560 | ug/L  | 94       |
| 13) Acetone                   | 2.108  | 43   | 780263   | 368.858 | ug/L  | 100      |
| 14) Carbon disulfide          | 2.240  | 76   | 1744735  | 198.180 | ug/L  | 99       |
| 15) Methyl Acetate            | 2.365  | 43   | 529097   | 212.736 | ug/L  | 99       |
| 16) Methylene chloride        | 2.445  | 84   | 636345   | 192.934 | ug/L  | 98       |
| 17) trans-1,2-Dichloroethene  | 2.690  | 96   | 620572   | 202.769 | ug/L  | 98       |
| 18) Methyl tert-butyl Ether   | 2.699  | 73   | 1936889  | 215.647 | ug/L  | 100      |
| 19) 1,1-Dichloroethane        | 3.108  | 63   | 1072060  | 196.074 | ug/L  | 98       |
| 20) cis-1,2-Dichloroethene    | 3.812  | 96   | 702881   | 213.260 | ug/L  | 98       |
| 22) 2-Butanone                | 3.854  | 43   | 843529   | 449.111 | ug/L  | 97       |
| 23) Bromochloromethane        | 4.143  | 128  | 368120   | 199.658 | ug/L  | 98       |
| 25) Chloroform                | 4.272  | 83   | 1195703  | 198.182 | ug/L  | 100      |
| 27) 1,2-Dichloroethane        | 5.037  | 62   | 929753   | 204.292 | ug/L  | 99       |
| 29) Cyclohexane               | 4.584  | 56   | 892214   | 206.105 | ug/L  | 100      |
| 30) 1,1,1-Trichloroethane     | 4.510  | 97   | 1074603  | 194.661 | ug/L  | 99       |
| 31) Carbon tetrachloride      | 4.735  | 117  | 955240   | 193.502 | ug/L  | 99       |
| 33) Benzene                   | 5.008  | 78   | 2466640  | 201.617 | ug/L  | 100      |
| 34) Trichloroethene           | 5.831  | 95   | 671870   | 202.066 | ug/L  | 99       |
| 35) Methylcyclohexane         | 6.050  | 83   | 1026506  | 204.853 | ug/L  | 98       |
| 37) 1,2-Dichloropropane       | 6.091  | 63   | 623334   | 204.016 | ug/L  | 100      |
| 38) Bromodichloromethane      | 6.429  | 83   | 925095   | 202.970 | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 6.950  | 75   | 1151336  | 226.578 | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 7.156  | 43   | 1523106  | 467.464 | ug/L  | 99       |
| 42) Toluene                   | 7.313  | 91   | 2780307  | 208.257 | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 7.577  | 75   | 1118920  | 226.695 | ug/L  | 100      |

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 Sample : VSTD20003  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD200203

Quant Time: Nov 13 22:50:31 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM111323WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Mon Nov 13 22:47:32 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 45) 1,1,2-Trichloroethane     | 7.767  | 97   | 678973   | 200.257 | ug/L  | 98       |
| 46) Tetrachloroethene         | 7.905  | 164  | 555864   | 194.340 | ug/L  | 98       |
| 48) 2-Hexanone                | 8.075  | 43   | 1297556  | 481.671 | ug/L  | 99       |
| 49) Dibromochloromethane      | 8.175  | 129  | 770286   | 210.890 | ug/L  | 99       |
| 50) 1,2-Dibromoethane         | 8.281  | 107  | 749443   | 207.670 | ug/L  | 99       |
| 51) Chlorobenzene             | 8.812  | 112  | 1878089  | 203.075 | ug/L  | 98       |
| 52) Ethylbenzene              | 8.947  | 91   | 3206576  | 216.883 | ug/L  | 99       |
| 53) m,p-Xylene                | 9.072  | 106  | 1243323  | 218.706 | ug/L  | 97       |
| 54) o-Xylene                  | 9.480  | 106  | 1239409  | 226.106 | ug/L  | 98       |
| 55) Styrene                   | 9.496  | 104  | 2214612  | 229.050 | ug/L  | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 10.178 | 83   | 1121071  | 214.926 | ug/L  | 99       |
| 59) Bromoform                 | 9.664  | 173  | 625605   | 219.576 | ug/L  | 99       |
| 60) Isopropylbenzene          | 9.866  | 105  | 3357141  | 211.752 | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 10.210 | 75   | 803587   | 204.982 | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 10.477 | 105  | 2750496  | 228.698 | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 10.853 | 105  | 2913325  | 231.672 | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.117 | 146  | 1707885  | 206.545 | ug/L  | 98       |
| 65) 1,4-Dichlorobenzene       | 11.210 | 146  | 1734221  | 195.555 | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 11.580 | 146  | 1700285  | 204.481 | ug/L  | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 12.365 | 75   | 244030   | 222.736 | ug/L  | 95       |
| 69) 1,3,5-Trichlorobenzene    | 12.583 | 180  | 1304393  | 210.257 | ug/L  | 100      |
| 70) 1,2,4-trichlorobenzene    | 13.201 | 180  | 1229050  | 220.546 | ug/L  | 99       |
| 71) Naphthalene               | 13.438 | 128  | 3393274  | 231.707 | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 13.683 | 180  | 1170035  | 208.618 | ug/L  | 99       |

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

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Sample    : VSTD20003  
Misc      : 5.0mL/MSVOA_V/WATER  
ALS Vial  : 1    Sample Multiplier: 1
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**Instrument :**  
MSVOA\_V  
**ClientSampleId :**  
VSTD200203

Quant Time: Nov 13 22:50:31 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM111323WMA.M  
Quant Title : VOC Analysis  
QLast Update : Mon Nov 13 22:47:32 2023  
Response via : Initial Calibration

