

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW121523\  
 Data File : VW033376.D  
 Acq On : 15 Dec 2023 14:14  
 Operator : SY/MD  
 Sample : VSTD05019  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD050219

Quant Time: Dec 15 23:00:06 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM121523WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Dec 15 22:58:37 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Difluorobenzene        | 5.532  | 114  | 230171   | 50.000  | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 8.786  | 117  | 236507   | 50.000  | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.185 | 152  | 129788   | 50.000  | ug/L  | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 4) Vinyl Chloride-d3          | 1.278  | 65   | 92330    | 62.901  | ug/L  | 0.00     |
| 7) Chloroethane-d5            | 1.529  | 69   | 82037    | 74.736  | ug/L  | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 2.060  | 65   | 43837    | 73.799  | ug/L  | 0.00     |
| 21) 2-Butanone-d5             | 3.780  | 46   | 94528    | 129.061 | ug/L  | 0.00     |
| 24) Chloroform-d              | 4.249  | 84   | 183449   | 60.046  | ug/L  | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 4.941  | 65   | 113944   | 60.155  | ug/L  | 0.00     |
| 32) Benzene-d6                | 4.960  | 84   | 338196   | 59.020  | ug/L  | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 5.989  | 67   | 101266   | 63.923  | ug/L  | 0.00     |
| 41) Toluene-d8                | 7.243  | 98   | 324743   | 59.483  | ug/L  | 0.00     |
| 43) trans-1,3-Dichloroprop... | 7.551  | 79   | 50710    | 53.680  | ug/L  | 0.00     |
| 47) 2-Hexanone-d5             | 8.024  | 63   | 70339    | 114.732 | ug/L  | 0.00     |
| 56) 1,1,2,2-Tetrachloroeth... | 10.153 | 84   | 144978   | 64.146  | ug/L  | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 11.561 | 152  | 125835   | 53.702  | ug/L  | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.105  | 85   | 96443    | 40.076  | ug/L  | 100      |
| 3) Chloromethane              | 1.214  | 50   | 85346    | 50.865  | ug/L  | 100      |
| 5) Vinyl chloride             | 1.285  | 62   | 91649    | 55.358  | ug/L  | 100      |
| 6) Bromomethane               | 1.484  | 94   | 61907    | 57.115  | ug/L  | 100      |
| 8) Chloroethane               | 1.548  | 64   | 64336    | 68.229  | ug/L  | 100      |
| 9) Trichlorofluoromethane     | 1.712  | 101  | 162600   | 59.206  | ug/L  | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.069  | 101  | 94161    | 69.106  | ug/L  | 100      |
| 12) 1,1-Dichloroethene        | 2.069  | 96   | 81275    | 65.176  | ug/L  | 100      |
| 13) Acetone                   | 2.108  | 43   | 112673   | 150.298 | ug/L  | 100      |
| 14) Carbon disulfide          | 2.240  | 76   | 204749   | 49.513  | ug/L  | 100      |
| 15) Methyl Acetate            | 2.368  | 43   | 76866    | 65.430  | ug/L  | 100      |
| 16) Methylene chloride        | 2.445  | 84   | 87971    | 55.690  | ug/L  | 100      |
| 17) trans-1,2-Dichloroethene  | 2.693  | 96   | 78447    | 51.476  | ug/L  | 100      |
| 18) Methyl tert-butyl Ether   | 2.703  | 73   | 240228   | 51.895  | ug/L  | 100      |
| 19) 1,1-Dichloroethane        | 3.111  | 63   | 150899   | 57.688  | ug/L  | 100      |
| 20) cis-1,2-Dichloroethene    | 3.812  | 96   | 88062    | 54.112  | ug/L  | 100      |
| 22) 2-Butanone                | 3.860  | 43   | 105895   | 121.156 | ug/L  | 100      |
| 23) Bromochloromethane        | 4.146  | 128  | 47599    | 51.067  | ug/L  | 100      |
| 25) Chloroform                | 4.275  | 83   | 166883   | 56.297  | ug/L  | 100      |
| 27) 1,2-Dichloroethane        | 5.040  | 62   | 132102   | 56.300  | ug/L  | 100      |
| 29) Cyclohexane               | 4.584  | 56   | 110167   | 50.516  | ug/L  | 100      |
| 30) 1,1,1-Trichloroethane     | 4.513  | 97   | 147581   | 50.538  | ug/L  | 100      |
| 31) Carbon tetrachloride      | 4.735  | 117  | 132906   | 49.233  | ug/L  | 100      |
| 33) Benzene                   | 5.008  | 78   | 329117   | 54.152  | ug/L  | 100      |
| 34) Trichloroethene           | 5.834  | 95   | 87038    | 48.880  | ug/L  | 100      |
| 35) Methylcyclohexane         | 6.050  | 83   | 127825   | 49.686  | ug/L  | 100      |
| 37) 1,2-Dichloropropane       | 6.092  | 63   | 88023    | 60.610  | ug/L  | 100      |
| 38) Bromodichloromethane      | 6.432  | 83   | 123480   | 54.119  | ug/L  | 100      |
| 39) cis-1,3-Dichloropropene   | 6.953  | 75   | 132712   | 52.284  | ug/L  | 100      |
| 40) 4-Methyl-2-pentanone      | 7.156  | 43   | 203444   | 129.561 | ug/L  | 100      |
| 42) Toluene                   | 7.313  | 91   | 362953   | 53.256  | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene | 7.580  | 75   | 127828   | 50.627  | ug/L  | 100      |

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|-------------------------------|--------|------|----------|---------|-------|----------|
| 45) 1,1,2-Trichloroethane     | 7.767  | 97   | 91979    | 55.583  | ug/L  | 100      |
| 46) Tetrachloroethene         | 7.905  | 164  | 68385    | 45.484  | ug/L  | 100      |
| 48) 2-Hexanone                | 8.072  | 43   | 163303   | 126.337 | ug/L  | 100      |
| 49) Dibromochloromethane      | 8.175  | 129  | 96693    | 50.410  | ug/L  | 100      |
| 50) 1,2-Dibromoethane         | 8.281  | 107  | 96148    | 54.915  | ug/L  | 100      |
| 51) Chlorobenzene             | 8.812  | 112  | 243475   | 51.103  | ug/L  | 100      |
| 52) Ethylbenzene              | 8.947  | 91   | 393708   | 50.763  | ug/L  | 100      |
| 53) m,p-Xylene                | 9.072  | 106  | 152626   | 49.941  | ug/L  | 100      |
| 54) o-Xylene                  | 9.477  | 106  | 144115   | 48.112  | ug/L  | 100      |
| 55) Styrene                   | 9.497  | 104  | 268648   | 51.366  | ug/L  | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 10.178 | 83   | 142197   | 60.942  | ug/L  | 100      |
| 59) Bromoform                 | 9.664  | 173  | 67340    | 48.344  | ug/L  | 100      |
| 60) Isopropylbenzene          | 9.866  | 105  | 400092   | 53.177  | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 10.207 | 75   | 108096   | 62.288  | ug/L  | 100      |
| 62) 1,3,5-Trimethylbenzene    | 10.477 | 105  | 303599   | 50.738  | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 10.850 | 105  | 320835   | 51.336  | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.117 | 146  | 196594   | 49.364  | ug/L  | 100      |
| 65) 1,4-Dichlorobenzene       | 11.207 | 146  | 205750   | 49.507  | ug/L  | 100      |
| 67) 1,2-Dichlorobenzene       | 11.580 | 146  | 201105   | 51.002  | ug/L  | 100      |
| 68) 1,2-Dibromo-3-chloropr... | 12.365 | 75   | 28464    | 55.357  | ug/L  | 100      |
| 69) 1,3,5-Trichlorobenzene    | 12.583 | 180  | 131683   | 42.477  | ug/L  | 100      |
| 70) 1,2,4-trichlorobenzene    | 13.197 | 180  | 113396   | 40.209  | ug/L  | 100      |
| 71) Naphthalene               | 13.439 | 128  | 308310   | 44.159  | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.680 | 180  | 120651   | 43.895  | ug/L  | 100      |

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

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