

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW110723\  
 Data File : VW032873.D  
 Acq On : 07 Nov 2023 16:38  
 Operator : SY/MD  
 Sample : 05226-09MS  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 YCG47MS

Manual Integrations  
 APPROVED

Reviewed By :Mahesh Dadoda 11/08/2023  
 Supervised By :Semsettin Yesilyurt 11/08/2023

Quant Time: Nov 08 01:40:52 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM103123WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Nov 08 01:37:19 2023  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|----------|--------|----------|
| -----                         |                |      |            |          |        |          |
| Internal Standards            |                |      |            |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.538          | 114  | 324476     | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.789          | 117  | 369770     | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.188         | 152  | 210267     | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |                |      |            |          |        |          |
| 4) Vinyl Chloride-d3          | 1.278          | 65   | 99016      | 32.084   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = | 64.160%  |        |          |
| 7) Chloroethane-d5            | 1.532          | 69   | 95226      | 36.893   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = | 73.780%  |        |          |
| 11) 1,1-Dichloroethene-d2     | 2.060          | 65   | 44372      | 34.809   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 69.620%  |        |          |
| 21) 2-Butanone-d5             | 3.789          | 46   | 138567     | 103.513  | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = | 103.510% |        |          |
| 24) Chloroform-d              | 4.252          | 84   | 221937     | 45.053   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 90.100%  |        |          |
| 26) 1,2-Dichloroethane-d4     | 4.944          | 65   | 138756     | 45.321   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 90.640%  |        |          |
| 32) Benzene-d6                | 4.963          | 84   | 395729     | 41.623   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 83.240%  |        |          |
| 36) 1,2-Dichloropropane-d6    | 5.992          | 67   | 123093     | 42.616   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = | 85.240%  |        |          |
| 41) Toluene-d8                | 7.246          | 98   | 399310     | 42.655   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 85.300%  |        |          |
| 43) trans-1,3-Dichloroprop... | 7.554          | 79   | 66259      | 44.046   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 88.100%  |        |          |
| 47) 2-Hexanone-d5             | 8.027          | 63   | 108008     | 102.429  | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = | 102.430% |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.156         | 84   | 220737     | 50.361   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = | 100.720% |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.564         | 152  | 180976     | 44.664   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 89.320%  |        |          |
| Target Compounds              |                |      |            |          |        |          |
|                               |                |      |            |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.105          | 85   | 115455     | 40.438   | ug/L   | 99       |
| 3) Chloromethane              | 1.217          | 50   | 112124     | 40.593   | ug/L   | 100      |
| 5) Vinyl chloride             | 1.285          | 62   | 124379     | 42.230   | ug/L   | 98       |
| 6) Bromomethane               | 1.484          | 94   | 86336      | 42.011   | ug/L   | 99       |
| 8) Chloroethane               | 1.548          | 64   | 87395      | 44.078   | ug/L   | 100      |
| 9) Trichlorofluoromethane     | 1.712          | 101  | 207296     | 44.165   | ug/L   | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.069          | 101  | 127054     | 44.738   | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 2.069          | 96   | 107573     | 44.326   | ug/L   | 85       |
| 13) Acetone                   | 2.111          | 43   | 112755     | 50.322   | ug/L   | 100      |
| 14) Carbon disulfide          | 2.243          | 76   | 251683     | 43.444   | ug/L   | 99       |
| 15) Methyl Acetate            | 2.375          | 43   | 107043     | 47.117   | ug/L   | 99       |
| 16) Methylene chloride        | 2.449          | 84   | 123391     | 38.331   | ug/L   | 98       |
| 17) trans-1,2-Dichloroethene  | 2.696          | 96   | 100338     | 43.318   | ug/L   | 95       |
| 18) Methyl tert-butyl Ether   | 2.706          | 73   | 336456     | 49.185   | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 3.114          | 63   | 199361     | 45.163   | ug/L   | 98       |
| 20) cis-1,2-Dichloroethene    | 3.815          | 96   | 117992     | 46.124   | ug/L   | 99       |
| 22) 2-Butanone                | 3.867          | 43   | 142184     | 74.825   | ug/L   | 99       |
| 23) Bromochloromethane        | 4.149          | 128  | 67684      | 47.404   | ug/L   | 96       |
| 25) Chloroform                | 4.281          | 83   | 228510     | 45.419   | ug/L   | 99       |

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 Quant Title : VOC Analysis  
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 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By :Mahesh Dadoda 11/08/2023  
 Supervised By :Semsettin Yesilyurt 11/08/2023

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 27) 1,2-Dichloroethane        | 5.043  | 62   | 177165   | 48.862  | ug/L   | 96       |
| 29) Cyclohexane               | 4.587  | 56   | 136351   | 41.029  | ug/L # | 92       |
| 30) 1,1,1-Trichloroethane     | 4.516  | 97   | 197876   | 44.666  | ug/L   | 99       |
| 31) Carbon tetrachloride      | 4.738  | 117  | 170752   | 43.617  | ug/L   | 98       |
| 33) Benzene                   | 5.011  | 78   | 454048   | 46.308  | ug/L   | 100      |
| 34) Trichloroethene           | 5.834  | 95   | 112729   | 41.301  | ug/L   | 98       |
| 35) Methylcyclohexane         | 6.053  | 83   | 181028m  | 42.387  | ug/L   |          |
| 37) 1,2-Dichloropropane       | 6.095  | 63   | 111072   | 42.675  | ug/L   | 99       |
| 38) Bromodichloromethane      | 6.436  | 83   | 186535   | 45.684  | ug/L   | 98       |
| 39) cis-1,3-Dichloropropene   | 6.956  | 75   | 196665   | 50.367  | ug/L   | 97       |
| 40) 4-Methyl-2-pentanone      | 7.159  | 43   | 321792   | 104.326 | ug/L   | 99       |
| 42) Toluene                   | 7.317  | 91   | 534584   | 47.875  | ug/L   | 100      |
| 44) trans-1,3-Dichloropropene | 7.583  | 75   | 189395   | 47.224  | ug/L   | 100      |
| 45) 1,1,2-Trichloroethane     | 7.770  | 97   | 144257   | 48.322  | ug/L   | 99       |
| 46) Tetrachloroethene         | 7.908  | 164  | 103347   | 41.964  | ug/L   | 96       |
| 48) 2-Hexanone                | 8.075  | 43   | 251072   | 90.722  | ug/L   | 96       |
| 49) Dibromochloromethane      | 8.181  | 129  | 146475   | 46.931  | ug/L   | 99       |
| 50) 1,2-Dibromoethane         | 8.284  | 107  | 149424   | 49.130  | ug/L   | 99       |
| 51) Chlorobenzene             | 8.818  | 112  | 359299   | 45.452  | ug/L   | 98       |
| 52) Ethylbenzene              | 8.950  | 91   | 578957   | 47.003  | ug/L   | 99       |
| 53) m,p-Xylene                | 9.075  | 106  | 224009   | 47.785  | ug/L   | 99       |
| 54) o-Xylene                  | 9.480  | 106  | 217304   | 47.849  | ug/L   | 98       |
| 55) Styrene                   | 9.497  | 104  | 397067   | 50.170  | ug/L   | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 10.181 | 83   | 226914   | 50.751  | ug/L   | 99       |
| 59) Bromoform                 | 9.667  | 173  | 109263   | 46.347  | ug/L   | 99       |
| 60) Isopropylbenzene          | 9.870  | 105  | 592114   | 46.435  | ug/L   | 100      |
| 61) 1,2,3-Trichloropropane    | 10.210 | 75   | 164522   | 46.844  | ug/L   | 99       |
| 62) 1,3,5-Trimethylbenzene    | 10.480 | 105  | 467568   | 46.597  | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 10.857 | 105  | 461048   | 48.032  | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 11.120 | 146  | 299038   | 45.015  | ug/L   | 99       |
| 65) 1,4-Dichlorobenzene       | 11.210 | 146  | 310532   | 44.303  | ug/L   | 99       |
| 67) 1,2-Dichlorobenzene       | 11.580 | 146  | 302460   | 44.599  | ug/L   | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.368 | 75   | 42074    | 46.030  | ug/L   | 96       |
| 69) 1,3,5-Trichlorobenzene    | 12.586 | 180  | 204691   | 42.682  | ug/L   | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.201 | 180  | 181285   | 43.710  | ug/L   | 99       |
| 71) Naphthalene               | 13.442 | 128  | 514899   | 49.715  | ug/L   | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.683 | 180  | 197757   | 47.757  | ug/L   | 99       |

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

