

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW072523\  
 Data File : VW031735.D  
 Acq On : 25 Jul 2023 09:32  
 Operator : SY/MD  
 Sample : VSTD01048  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD010248

Manual Integrations  
 APPROVED

Reviewed By :Mahesh Dadoda 07/27/2023  
 Supervised By :Semsettin Yesilyurt 07/27/2023

Quant Time: Jul 26 02:06:08 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM072523WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Jul 26 02:05:21 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Difluorobenzene        | 5.542  | 114  | 265651   | 50.000 | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.789  | 117  | 290338   | 50.000 | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.191 | 152  | 157963   | 50.000 | ug/L   | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 4) Vinyl Chloride-d3          | 1.278  | 65   | 31849    | 12.977 | ug/L   | 0.00     |
| 7) Chloroethane-d5            | 1.532  | 69   | 29275    | 16.356 | ug/L   | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 2.060  | 65   | 14570    | 13.381 | ug/L   | 0.00     |
| 21) 2-Butanone-d5             | 3.805  | 46   | 38229m   | 23.689 | ug/L   | 0.02     |
| 24) Chloroform-d              | 4.259  | 84   | 62129    | 12.671 | ug/L   | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 4.953  | 65   | 38415    | 12.429 | ug/L   | 0.00     |
| 32) Benzene-d6                | 4.969  | 84   | 91882    | 10.444 | ug/L   | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 5.998  | 67   | 36277    | 12.593 | ug/L   | 0.00     |
| 41) Toluene-d8                | 7.249  | 98   | 72693    | 9.376  | ug/L   | 0.00     |
| 43) trans-1,3-Dichloroprop... | 7.564  | 79   | 14008    | 9.906  | ug/L   | 0.00     |
| 47) 2-Hexanone-d5             | 8.034  | 63   | 18781    | 16.545 | ug/L   | 0.00     |
| 56) 1,1,2,2-Tetrachloroeth... | 10.159 | 84   | 50652    | 11.762 | ug/L   | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 11.564 | 152  | 33168    | 11.396 | ug/L   | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        |        | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.108  | 85   | 35673    | 11.015 | ug/L   | 98       |
| 3) Chloromethane              | 1.217  | 50   | 37039    | 10.967 | ug/L   | 98       |
| 5) Vinyl chloride             | 1.285  | 62   | 35238    | 11.059 | ug/L   | 99       |
| 6) Bromomethane               | 1.487  | 94   | 25748    | 13.830 | ug/L   | 88       |
| 8) Chloroethane               | 1.552  | 64   | 24190    | 13.683 | ug/L   | 96       |
| 9) Trichlorofluoromethane     | 1.716  | 101  | 60399    | 13.080 | ug/L   | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.072  | 101  | 34947    | 13.137 | ug/L   | 94       |
| 12) 1,1-Dichloroethene        | 2.072  | 96   | 29568    | 12.901 | ug/L   | 93       |
| 13) Acetone                   | 2.114  | 43   | 37664    | 28.624 | ug/L   | 97       |
| 14) Carbon disulfide          | 2.243  | 76   | 70138    | 9.656  | ug/L   | 97       |
| 15) Methyl Acetate            | 2.378  | 43   | 33661    | 11.682 | ug/L   | 98       |
| 16) Methylene chloride        | 2.452  | 84   | 32561    | 11.969 | ug/L   | 94       |
| 17) trans-1,2-Dichloroethene  | 2.699  | 96   | 22942    | 9.926  | ug/L   | 94       |
| 18) Methyl tert-butyl Ether   | 2.709  | 73   | 70431    | 9.813  | ug/L   | 92       |
| 19) 1,1-Dichloroethane        | 3.117  | 63   | 58539    | 12.078 | ug/L   | 97       |
| 20) cis-1,2-Dichloroethene    | 3.825  | 96   | 24916    | 10.312 | ug/L   | 89       |
| 22) 2-Butanone                | 3.886  | 43   | 34507    | 18.700 | ug/L   | 76       |
| 23) Bromochloromethane        | 4.156  | 128  | 15085    | 11.623 | ug/L # | 88       |
| 25) Chloroform                | 4.285  | 83   | 60569    | 12.168 | ug/L   | 100      |
| 27) 1,2-Dichloroethane        | 5.053  | 62   | 46665    | 12.567 | ug/L   | 97       |
| 29) Cyclohexane               | 4.587  | 56   | 30853    | 8.300  | ug/L   | 95       |
| 30) 1,1,1-Trichloroethane     | 4.523  | 97   | 54784    | 11.984 | ug/L   | 94       |
| 31) Carbon tetrachloride      | 4.741  | 117  | 45248    | 11.286 | ug/L   | 98       |
| 33) Benzene                   | 5.018  | 78   | 99247    | 9.980  | ug/L   | 100      |
| 34) Trichloroethene           | 5.841  | 95   | 33550    | 11.834 | ug/L   | 96       |
| 35) Methylcyclohexane         | 6.056  | 83   | 29905    | 8.096  | ug/L   | 93       |
| 37) 1,2-Dichloropropane       | 6.104  | 63   | 29490    | 10.517 | ug/L # | 97       |
| 38) Bromodichloromethane      | 6.442  | 83   | 46197    | 12.207 | ug/L   | 100      |
| 39) cis-1,3-Dichloropropene   | 6.966  | 75   | 35063    | 8.357  | ug/L   | 88       |
| 40) 4-Methyl-2-pentanone      | 7.165  | 43   | 66990    | 18.927 | ug/L # | 92       |
| 42) Toluene                   | 7.323  | 91   | 96885    | 9.505  | ug/L   | 99       |
| 44) trans-1,3-Dichloropropene | 7.593  | 75   | 37174    | 8.880  | ug/L   | 98       |

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Quant Time: Jul 26 02:06:08 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM072523WMA.M  
 Quant Title : VOC Analysis  
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 Response via : Initial Calibration

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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 45) 1,1,2-Trichloroethane     | 7.776  | 97   | 31785    | 11.451 | ug/L   | 88       |
| 46) Tetrachloroethene         | 7.911  | 164  | 20787    | 9.984  | ug/L   | 95       |
| 48) 2-Hexanone                | 8.085  | 43   | 50273    | 16.985 | ug/L # | 93       |
| 49) Dibromochloromethane      | 8.182  | 129  | 32930    | 10.816 | ug/L   | 93       |
| 50) 1,2-Dibromoethane         | 8.288  | 107  | 33582    | 11.074 | ug/L # | 91       |
| 51) Chlorobenzene             | 8.821  | 112  | 70178    | 10.383 | ug/L   | 99       |
| 52) Ethylbenzene              | 8.953  | 91   | 95476    | 8.628  | ug/L   | 99       |
| 53) m,p-Xylene                | 9.079  | 106  | 33359    | 8.245  | ug/L   | 93       |
| 54) o-Xylene                  | 9.484  | 106  | 31701    | 8.400  | ug/L   | 94       |
| 55) Styrene                   | 9.503  | 104  | 54525    | 7.846  | ug/L   | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 10.185 | 83   | 42854    | 10.213 | ug/L   | 98       |
| 59) Bromoform                 | 9.670  | 173  | 22345    | 11.214 | ug/L # | 98       |
| 60) Isopropylbenzene          | 9.873  | 105  | 84547    | 8.824  | ug/L   | 98       |
| 61) 1,2,3-Trichloropropane    | 10.214 | 75   | 42371    | 12.719 | ug/L   | 98       |
| 62) 1,3,5-Trimethylbenzene    | 10.480 | 105  | 65716    | 8.451  | ug/L   | 100      |
| 63) 1,2,4-Trimethylbenzene    | 10.857 | 105  | 64936    | 8.369  | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 11.124 | 146  | 51214    | 10.304 | ug/L   | 95       |
| 65) 1,4-Dichlorobenzene       | 11.214 | 146  | 54634    | 10.144 | ug/L   | 99       |
| 67) 1,2-Dichlorobenzene       | 11.587 | 146  | 52294    | 10.222 | ug/L   | 91       |
| 68) 1,2-Dibromo-3-chloropr... | 12.371 | 75   | 10833    | 10.881 | ug/L   | 95       |
| 69) 1,3,5-Trichlorobenzene    | 12.586 | 180  | 35997    | 9.785  | ug/L   | 98       |
| 70) 1,2,4-trichlorobenzene    | 13.204 | 180  | 30842    | 9.450  | ug/L   | 98       |
| 71) Naphthalene               | 13.445 | 128  | 75246    | 7.822  | ug/L   | 98       |
| 72) 1,2,3-Trichlorobenzene    | 13.686 | 180  | 33048    | 9.550  | ug/L   | 97       |

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

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