

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW053123\  
 Data File : VW031310.D  
 Acq On : 31 May 2023 20:39  
 Operator : SY/MD  
 Sample : 02961-12MSD  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 H0FQ2MSD

Quant Time: Jun 01 02:02:03 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM051923WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Jun 01 01:56:05 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Krupa  
 Patel  
 06/02/2023  
 Supervised By :Mahesh  
 Dadoda  
 06/02/2023

| Compound                      | R.T.     | QIon  | Response | Conc    | Units    | Dev(Min) |
|-------------------------------|----------|-------|----------|---------|----------|----------|
| -----                         |          |       |          |         |          |          |
| Internal Standards            |          |       |          |         |          |          |
| 1) 1,4-Difluorobenzene        | 5.542    | 114   | 260777   | 50.000  | ug/L     | # 0.00   |
| 28) Chlorobenzene-d5          | 8.792    | 117   | 263785   | 50.000  | ug/L     | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.191   | 152   | 146992   | 50.000  | ug/L     | 0.00     |
| System Monitoring Compounds   |          |       |          |         |          |          |
| 4) Vinyl Chloride-d3          | 1.281    | 65    | 82166    | 36.868  | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 60 | - 135 | Recovery | =       | 73.740%  |          |
| 7) Chloroethane-d5            | 1.532    | 69    | 77989    | 45.425  | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 70 | - 130 | Recovery | =       | 90.840%  |          |
| 11) 1,1-Dichloroethene-d2     | 2.063    | 65    | 40036    | 38.309  | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 60 | - 125 | Recovery | =       | 76.620%  |          |
| 21) 2-Butanone-d5             | 3.796    | 46    | 152408   | 128.340 | ug/L     | 0.00     |
| Spiked Amount 100.000         | Range 40 | - 130 | Recovery | =       | 128.340% |          |
| 24) Chloroform-d              | 4.259    | 84    | 178609   | 45.301  | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 70 | - 125 | Recovery | =       | 90.600%  |          |
| 26) 1,2-Dichloroethane-d4     | 4.950    | 65    | 121102   | 45.455  | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 70 | - 125 | Recovery | =       | 90.920%  |          |
| 32) Benzene-d6                | 4.969    | 84    | 319056   | 44.617  | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 70 | - 125 | Recovery | =       | 89.240%  |          |
| 36) 1,2-Dichloropropane-d6    | 5.995    | 67    | 115932   | 54.183  | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 70 | - 120 | Recovery | =       | 108.360% |          |
| 41) Toluene-d8                | 7.249    | 98    | 297604   | 44.590  | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 80 | - 120 | Recovery | =       | 89.180%  |          |
| 43) trans-1,3-Dichloroprop... | 7.558    | 79    | 52659    | 49.054  | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 60 | - 125 | Recovery | =       | 98.100%  |          |
| 47) 2-Hexanone-d5             | 8.034    | 63    | 97658    | 117.062 | ug/L     | 0.00     |
| Spiked Amount 100.000         | Range 45 | - 130 | Recovery | =       | 117.060% |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.159   | 84    | 169424   | 52.794  | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 65 | - 120 | Recovery | =       | 105.580% |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.567   | 152   | 113032   | 42.792  | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 80 | - 120 | Recovery | =       | 85.580%  |          |
| Target Compounds              |          |       |          |         |          |          |
|                               |          |       |          |         |          | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.108    | 85    | 71088    | 42.225  | ug/L     | 98       |
| 3) Chloromethane              | 1.217    | 50    | 79329    | 43.040  | ug/L     | 98       |
| 5) Vinyl chloride             | 1.285    | 62    | 84287    | 51.199  | ug/L     | 99       |
| 6) Bromomethane               | 1.487    | 94    | 51709    | 56.046  | ug/L     | 96       |
| 8) Chloroethane               | 1.552    | 64    | 59937    | 56.500  | ug/L     | 98       |
| 9) Trichlorofluoromethane     | 1.716    | 101   | 142740   | 44.083  | ug/L     | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.072    | 101   | 83601    | 48.959  | ug/L     | 94       |
| 12) 1,1-Dichloroethene        | 2.072    | 96    | 66019    | 45.575  | ug/L     | 95       |
| 13) Acetone                   | 2.121    | 43    | 137805   | 89.260  | ug/L     | 92       |
| 14) Carbon disulfide          | 2.246    | 76    | 127677   | 48.367  | ug/L     | 98       |
| 15) Methyl Acetate            | 2.378    | 43    | 115013   | 65.548  | ug/L     | 94       |
| 16) Methylene chloride        | 2.452    | 84    | 86190    | 53.446  | ug/L     | 92       |
| 17) trans-1,2-Dichloroethene  | 2.699    | 96    | 63163    | 47.161  | ug/L     | 89       |
| 18) Methyl tert-butyl Ether   | 2.712    | 73    | 277413   | 53.619  | ug/L     | 94       |
| 19) 1,1-Dichloroethane        | 3.117    | 63    | 173044   | 56.694  | ug/L     | 98       |
| 20) cis-1,2-Dichloroethene    | 3.822    | 96    | 81706    | 49.488  | ug/L     | 91       |
| 22) 2-Butanone                | 3.879    | 43    | 167981   | 113.463 | ug/L     | 96       |
| 23) Bromochloromethane        | 4.156    | 128   | 44327    | 48.857  | ug/L     | # 81     |
| 25) Chloroform                | 4.285    | 83    | 186744   | 54.769  | ug/L     | 96       |

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 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
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Quant Time: Jun 01 02:02:03 2023  
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 QLast Update : Thu Jun 01 01:56:05 2023  
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 Patel

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Supervised By :Mahesh  
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06/02/2023

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 27) 1,2-Dichloroethane        | 5.050  | 62   | 139472   | 48.211  | ug/L   | 98       |
| 29) Cyclohexane               | 4.590  | 56   | 105164   | 50.664  | ug/L # | 84       |
| 30) 1,1,1-Trichloroethane     | 4.519  | 97   | 149882   | 46.304  | ug/L   | 98       |
| 31) Carbon tetrachloride      | 4.744  | 117  | 129685   | 45.989  | ug/L   | 97       |
| 33) Benzene                   | 5.018  | 78   | 324709   | 51.382  | ug/L   | 100      |
| 34) Trichloroethene           | 5.841  | 95   | 88019    | 51.981  | ug/L   | 91       |
| 35) Methylcyclohexane         | 6.059  | 83   | 107608   | 47.891  | ug/L   | 89       |
| 37) 1,2-Dichloropropane       | 6.098  | 63   | 112948m  | 64.936  | ug/L   |          |
| 38) Bromodichloromethane      | 6.439  | 83   | 142337   | 52.789  | ug/L   | 100      |
| 39) cis-1,3-Dichloropropene   | 6.960  | 75   | 145989   | 54.430  | ug/L   | 98       |
| 40) 4-Methyl-2-pentanone      | 7.165  | 43   | 333891   | 124.747 | ug/L # | 97       |
| 42) Toluene                   | 7.323  | 91   | 348646   | 50.992  | ug/L   | 98       |
| 44) trans-1,3-Dichloropropene | 7.587  | 75   | 148268   | 54.645  | ug/L   | 97       |
| 45) 1,1,2-Trichloroethane     | 7.776  | 97   | 102063   | 53.773  | ug/L   | 98       |
| 46) Tetrachloroethene         | 7.911  | 164  | 59427    | 40.871  | ug/L   | 95       |
| 48) 2-Hexanone                | 8.082  | 43   | 261619   | 117.355 | ug/L   | 97       |
| 49) Dibromochloromethane      | 8.185  | 129  | 104540   | 48.816  | ug/L   | 99       |
| 50) 1,2-Dibromoethane         | 8.288  | 107  | 102648   | 54.395  | ug/L # | 98       |
| 51) Chlorobenzene             | 8.821  | 112  | 226539   | 46.551  | ug/L   | 93       |
| 52) Ethylbenzene              | 8.953  | 91   | 382866   | 48.909  | ug/L   | 97       |
| 53) m,p-Xylene                | 9.079  | 106  | 136868   | 45.073  | ug/L   | 89       |
| 54) o-Xylene                  | 9.487  | 106  | 134453   | 44.883  | ug/L   | 88       |
| 55) Styrene                   | 9.503  | 104  | 255244   | 48.177  | ug/L   | 95       |
| 57) 1,1,2,2-Tetrachloroethane | 10.185 | 83   | 165757   | 53.151  | ug/L # | 97       |
| 59) Bromoform                 | 9.673  | 173  | 77330    | 45.371  | ug/L   | 98       |
| 60) Isopropylbenzene          | 9.873  | 105  | 381953   | 48.586  | ug/L   | 97       |
| 61) 1,2,3-Trichloropropane    | 10.217 | 75   | 138080   | 61.062  | ug/L   | 96       |
| 62) 1,3,5-Trimethylbenzene    | 10.484 | 105  | 305894   | 47.338  | ug/L   | 92       |
| 63) 1,2,4-Trimethylbenzene    | 10.860 | 105  | 312018   | 49.383  | ug/L   | 94       |
| 64) 1,3-Dichlorobenzene       | 11.124 | 146  | 185235   | 45.986  | ug/L   | 97       |
| 65) 1,4-Dichlorobenzene       | 11.217 | 146  | 193702   | 46.224  | ug/L   | 96       |
| 67) 1,2-Dichlorobenzene       | 11.586 | 146  | 190288   | 46.557  | ug/L   | 96       |
| 68) 1,2-Dibromo-3-chloropr... | 12.374 | 75   | 37784    | 54.432  | ug/L # | 81       |
| 69) 1,3,5-Trichlorobenzene    | 12.590 | 180  | 130444   | 41.891  | ug/L   | 98       |
| 70) 1,2,4-trichlorobenzene    | 13.207 | 180  | 111343   | 42.016  | ug/L   | 97       |
| 71) Naphthalene               | 13.448 | 128  | 330582   | 48.026  | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 13.686 | 180  | 123729   | 46.724  | ug/L   | 98       |

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

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