

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW041723\  
 Data File : VW030583.D  
 Acq On : 17 Apr 2023 12:30  
 Operator : SY/MD  
 Sample : VSTDICV050  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VICV220

Quant Time: Apr 18 02:39:28 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM041723WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Apr 18 02:32:01 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By : John Carlone 04/18/2023  
 Supervised By : Mahesh Dadoda 04/18/2023

| Compound                      | R.T.           | QIon | Response   | Conc     | Units | Dev(Min) |
|-------------------------------|----------------|------|------------|----------|-------|----------|
| -----                         |                |      |            |          |       |          |
| Internal Standards            |                |      |            |          |       |          |
| 1) 1,4-Difluorobenzene        | 5.542          | 114  | 292290     | 50.000   | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 8.792          | 117  | 281012     | 50.000   | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.194         | 152  | 159157     | 50.000   | ug/L  | 0.00     |
| System Monitoring Compounds   |                |      |            |          |       |          |
| 4) Vinyl Chloride-d3          | 1.282          | 65   | 99523      | 46.447   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = | 92.900%  |       |          |
| 7) Chloroethane-d5            | 1.539          | 69   | 78240      | 43.574   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = | 87.140%  |       |          |
| 11) 1,1-Dichloroethene-d2     | 2.063          | 65   | 45622      | 44.897   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 89.800%  |       |          |
| 21) 2-Butanone-d5             | 3.802          | 46   | 134617     | 114.382  | ug/L  | 0.00     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = | 114.380% |       |          |
| 24) Chloroform-d              | 4.259          | 84   | 183780     | 47.328   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 94.660%  |       |          |
| 26) 1,2-Dichloroethane-d4     | 4.950          | 65   | 120929     | 48.439   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 96.880%  |       |          |
| 32) Benzene-d6                | 4.969          | 84   | 336056     | 50.581   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 101.160% |       |          |
| 36) 1,2-Dichloropropane-d6    | 5.995          | 67   | 103463     | 50.133   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = | 100.260% |       |          |
| 41) Toluene-d8                | 7.249          | 98   | 316049     | 50.665   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 101.340% |       |          |
| 43) trans-1,3-Dichloroprop... | 7.558          | 79   | 53633      | 51.561   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 103.120% |       |          |
| 47) 2-Hexanone-d5             | 8.034          | 63   | 87945      | 108.173  | ug/L  | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = | 108.170% |       |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.159         | 84   | 148784     | 49.683   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = | 99.360%  |       |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.570         | 152  | 127922     | 50.567   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 101.140% |       |          |
| Target Compounds              |                |      |            |          |       |          |
|                               |                |      |            |          |       | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.108          | 85   | 115449     | 45.940   | ug/L  | 99       |
| 3) Chloromethane              | 1.217          | 50   | 150507     | 45.656   | ug/L  | 99       |
| 5) Vinyl chloride             | 1.288          | 62   | 122239     | 45.994   | ug/L  | 98       |
| 6) Bromomethane               | 1.494          | 94   | 50350      | 47.777   | ug/L  | 100      |
| 8) Chloroethane               | 1.555          | 64   | 78683      | 43.164   | ug/L  | 99       |
| 9) Trichlorofluoromethane     | 1.716          | 101  | 192818     | 44.764   | ug/L  | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.072          | 101  | 103938     | 45.914   | ug/L  | 97       |
| 12) 1,1-Dichloroethene        | 2.076          | 96   | 92613      | 45.251   | ug/L  | 96       |
| 13) Acetone                   | 2.134          | 43   | 153204     | 84.125   | ug/L  | 100      |
| 14) Carbon disulfide          | 2.246          | 76   | 273866     | 47.375   | ug/L  | 98       |
| 15) Methyl Acetate            | 2.381          | 43   | 128727     | 52.967   | ug/L  | 99       |
| 16) Methylene chloride        | 2.455          | 84   | 111331     | 47.535   | ug/L  | 98       |
| 17) trans-1,2-Dichloroethene  | 2.699          | 96   | 98995      | 47.913   | ug/L  | 98       |
| 18) Methyl tert-butyl Ether   | 2.712          | 73   | 354015     | 53.493   | ug/L  | 99       |
| 19) 1,1-Dichloroethane        | 3.117          | 63   | 200498     | 47.596   | ug/L  | 98       |
| 20) cis-1,2-Dichloroethene    | 3.825          | 96   | 113427     | 50.467   | ug/L  | 97       |
| 22) 2-Butanone                | 3.883          | 43   | 184660     | 98.120   | ug/L  | 100      |
| 23) Bromochloromethane        | 4.156          | 128  | 60875      | 48.495   | ug/L  | 95       |
| 25) Chloroform                | 4.285          | 83   | 209916     | 48.145   | ug/L  | 100      |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW041723\  
 Data File : VW030583.D  
 Acq On : 17 Apr 2023 12:30  
 Operator : SY/MD  
 Sample : VSTDICV050  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VICV220

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 04/18/2023  
 Supervised By : Mahesh Dadoda 04/18/2023

Quant Time: Apr 18 02:39:28 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM041723WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Apr 18 02:32:01 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.050  | 62   | 181795   | 49.256  | ug/L  | 99       |
| 29) Cyclohexane               | 4.593  | 56   | 170340   | 50.512  | ug/L  | 99       |
| 30) 1,1,1-Trichloroethane     | 4.523  | 97   | 184543   | 46.736  | ug/L  | 99       |
| 31) Carbon tetrachloride      | 4.744  | 117  | 160670   | 45.511  | ug/L  | 97       |
| 33) Benzene                   | 5.018  | 78   | 426640   | 49.996  | ug/L  | 100      |
| 34) Trichloroethene           | 5.841  | 95   | 108958   | 49.088  | ug/L  | 98       |
| 35) Methylcyclohexane         | 6.059  | 83   | 175373   | 50.424  | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 6.101  | 63   | 111305   | 48.460  | ug/L  | 100      |
| 38) Bromodichloromethane      | 6.439  | 83   | 158622   | 49.163  | ug/L  | 98       |
| 39) cis-1,3-Dichloropropene   | 6.960  | 75   | 182377   | 52.905  | ug/L  | 97       |
| 40) 4-Methyl-2-pentanone      | 7.166  | 43   | 350753   | 109.323 | ug/L  | 100      |
| 42) Toluene                   | 7.323  | 91   | 456316   | 49.924  | ug/L  | 98       |
| 44) trans-1,3-Dichloropropene | 7.587  | 75   | 178811   | 52.797  | ug/L  | 100      |
| 45) 1,1,2-Trichloroethane     | 7.776  | 97   | 113845   | 49.431  | ug/L  | 98       |
| 46) Tetrachloroethene         | 7.911  | 164  | 93325    | 48.035  | ug/L  | 97       |
| 48) 2-Hexanone                | 8.082  | 43   | 278567   | 105.226 | ug/L  | 99       |
| 49) Dibromochloromethane      | 8.185  | 129  | 121851   | 47.965  | ug/L  | 99       |
| 50) 1,2-Dibromoethane         | 8.288  | 107  | 120561   | 50.521  | ug/L  | 99       |
| 51) Chlorobenzene             | 8.821  | 112  | 295375   | 48.795  | ug/L  | 97       |
| 52) Ethylbenzene              | 8.953  | 91   | 504938   | 49.901  | ug/L  | 98       |
| 53) m,p-Xylene                | 9.079  | 106  | 193360   | 50.590  | ug/L  | 99       |
| 54) o-Xylene                  | 9.487  | 106  | 183680   | 49.124  | ug/L  | 98       |
| 55) Styrene                   | 9.503  | 104  | 332433   | 50.614  | ug/L  | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 10.185 | 83   | 186986   | 49.450  | ug/L  | 99       |
| 59) Bromoform                 | 9.673  | 173  | 99662    | 50.015  | ug/L  | 99       |
| 60) Isopropylbenzene          | 9.876  | 105  | 507810   | 51.160  | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 10.217 | 75   | 145237   | 50.950  | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 10.484 | 105  | 419133   | 51.286  | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 10.860 | 105  | 425265   | 52.117  | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.124 | 146  | 255365   | 51.387  | ug/L  | 98       |
| 65) 1,4-Dichlorobenzene       | 11.217 | 146  | 262820m  | 50.154  | ug/L  |          |
| 67) 1,2-Dichlorobenzene       | 11.587 | 146  | 253204   | 50.506  | ug/L  | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 12.374 | 75   | 43063    | 50.989  | ug/L  | 98       |
| 69) 1,3,5-Trichlorobenzene    | 12.590 | 180  | 196627   | 52.378  | ug/L  | 100      |
| 70) 1,2,4-trichlorobenzene    | 13.207 | 180  | 178339   | 55.952  | ug/L  | 99       |
| 71) Naphthalene               | 13.448 | 128  | 559373   | 64.156  | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.689 | 180  | 182524   | 57.750  | ug/L  | 99       |

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

