

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW070323\  
 Data File : VW031630.D  
 Acq On : 03 Jul 2023 11:07  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD050382

Quant Time: Jul 04 06:54:21 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM061423WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Jun 30 04:25:13 2023  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response            | Conc    | Units | Dev(Min) |
|-------------------------------|----------------|------|---------------------|---------|-------|----------|
| -----                         |                |      |                     |         |       |          |
| Internal Standards            |                |      |                     |         |       |          |
| 1) 1,4-Difluorobenzene        | 5.538          | 114  | 233460              | 50.000  | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 8.789          | 117  | 235839              | 50.000  | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.191         | 152  | 147982              | 50.000  | ug/L  | 0.00     |
|                               |                |      |                     |         |       |          |
| System Monitoring Compounds   |                |      |                     |         |       |          |
| 4) Vinyl Chloride-d3          | 1.278          | 65   | 78436               | 50.482  | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = 100.960% |         |       |          |
| 7) Chloroethane-d5            | 1.532          | 69   | 70768               | 52.200  | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = 104.400% |         |       |          |
| 11) 1,1-Dichloroethene-d2     | 2.059          | 65   | 38504               | 48.083  | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = 96.160%  |         |       |          |
| 21) 2-Butanone-d5             | 3.789          | 46   | 123759              | 98.368  | ug/L  | 0.00     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = 98.370%  |         |       |          |
| 24) Chloroform-d              | 4.252          | 84   | 183424              | 47.138  | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = 94.280%  |         |       |          |
| 26) 1,2-Dichloroethane-d4     | 4.944          | 65   | 112194              | 46.083  | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = 92.160%  |         |       |          |
| 32) Benzene-d6                | 4.963          | 84   | 291154              | 43.859  | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = 87.720%  |         |       |          |
| 36) 1,2-Dichloropropane-d6    | 5.992          | 67   | 105159              | 44.694  | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = 89.380%  |         |       |          |
| 41) Toluene-d8                | 7.246          | 98   | 266752              | 43.789  | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = 87.580%  |         |       |          |
| 43) trans-1,3-Dichloroprop... | 7.554          | 79   | 49759               | 43.382  | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = 86.760%  |         |       |          |
| 47) 2-Hexanone-d5             | 8.030          | 63   | 90703               | 97.637  | ug/L  | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = 97.640%  |         |       |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.159         | 84   | 168703              | 47.503  | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = 95.000%  |         |       |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.567         | 152  | 112440              | 39.861  | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = 79.720%# |         |       |          |
|                               |                |      |                     |         |       |          |
| Target Compounds              |                |      |                     |         |       | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.108          | 85   | 114910              | 46.404  | ug/L  | 99       |
| 3) Chloromethane              | 1.217          | 50   | 116190              | 49.724  | ug/L  | 98       |
| 5) Vinyl chloride             | 1.285          | 62   | 114886              | 49.598  | ug/L  | 100      |
| 6) Bromomethane               | 1.487          | 94   | 74209               | 49.154  | ug/L  | 100      |
| 8) Chloroethane               | 1.548          | 64   | 73618               | 49.207  | ug/L  | 97       |
| 9) Trichlorofluoromethane     | 1.715          | 101  | 178427              | 46.301  | ug/L  | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.069          | 101  | 102602              | 49.682  | ug/L  | 95       |
| 12) 1,1-Dichloroethene        | 2.072          | 96   | 83599               | 48.395  | ug/L  | 96       |
| 13) Acetone                   | 2.114          | 43   | 158681              | 127.819 | ug/L  | 96       |
| 14) Carbon disulfide          | 2.243          | 76   | 237283              | 45.410  | ug/L  | 99       |
| 15) Methyl Acetate            | 2.375          | 43   | 108013              | 51.677  | ug/L  | 99       |
| 16) Methylene chloride        | 2.449          | 84   | 97366               | 44.958  | ug/L  | 99       |
| 17) trans-1,2-Dichloroethene  | 2.696          | 96   | 80395               | 44.586  | ug/L  | 98       |
| 18) Methyl tert-butyl Ether   | 2.709          | 73   | 270545              | 44.966  | ug/L  | 98       |
| 19) 1,1-Dichloroethane        | 3.114          | 63   | 185530              | 47.673  | ug/L  | 97       |
| 20) cis-1,2-Dichloroethene    | 3.818          | 96   | 87675               | 44.993  | ug/L  | 99       |
| 22) 2-Butanone                | 3.870          | 43   | 163284              | 105.285 | ug/L  | 97       |
| 23) Bromochloromethane        | 4.149          | 128  | 47858               | 45.435  | ug/L  | 91       |
| 25) Chloroform                | 4.278          | 83   | 188682              | 46.639  | ug/L  | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW070323\  
 Data File : VW031630.D  
 Acq On : 03 Jul 2023 11:07  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD050382

Quant Time: Jul 04 06:54:21 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM061423WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Jun 30 04:25:13 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.043  | 62   | 148694   | 47.623  | ug/L  | 99       |
| 29) Cyclohexane               | 4.590  | 56   | 133231   | 43.421  | ug/L  | 97       |
| 30) 1,1,1-Trichloroethane     | 4.516  | 97   | 169987   | 44.956  | ug/L  | 97       |
| 31) Carbon tetrachloride      | 4.738  | 117  | 151583   | 45.245  | ug/L  | 100      |
| 33) Benzene                   | 5.014  | 78   | 360964   | 45.971  | ug/L  | 100      |
| 34) Trichloroethene           | 5.837  | 95   | 92092    | 43.891  | ug/L  | 97       |
| 35) Methylcyclohexane         | 6.056  | 83   | 132156   | 42.748  | ug/L  | 96       |
| 37) 1,2-Dichloropropane       | 6.098  | 63   | 108998   | 47.273  | ug/L  | 100      |
| 38) Bromodichloromethane      | 6.436  | 83   | 145245   | 46.605  | ug/L  | 100      |
| 39) cis-1,3-Dichloropropene   | 6.956  | 75   | 157744   | 46.089  | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 7.162  | 43   | 283429   | 104.688 | ug/L  | 96       |
| 42) Toluene                   | 7.320  | 91   | 384456   | 47.224  | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 7.583  | 75   | 156793   | 47.042  | ug/L  | 97       |
| 45) 1,1,2-Trichloroethane     | 7.773  | 97   | 102259   | 46.949  | ug/L  | 100      |
| 46) Tetrachloroethene         | 7.911  | 164  | 70561    | 42.848  | ug/L  | 98       |
| 48) 2-Hexanone                | 8.079  | 43   | 245348   | 113.468 | ug/L  | 95       |
| 49) Dibromochloromethane      | 8.181  | 129  | 110809   | 45.775  | ug/L  | 99       |
| 50) 1,2-Dibromoethane         | 8.284  | 107  | 105879   | 45.653  | ug/L  | 96       |
| 51) Chlorobenzene             | 8.818  | 112  | 242868   | 45.043  | ug/L  | 98       |
| 52) Ethylbenzene              | 8.950  | 91   | 409271   | 45.053  | ug/L  | 99       |
| 53) m,p-Xylene                | 9.079  | 106  | 151922   | 45.667  | ug/L  | 97       |
| 54) o-Xylene                  | 9.484  | 106  | 141615   | 44.858  | ug/L  | 100      |
| 55) Styrene                   | 9.500  | 104  | 275569   | 48.876  | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.181 | 83   | 168935   | 47.469  | ug/L  | 93       |
| 59) Bromoform                 | 9.670  | 173  | 82705    | 45.087  | ug/L  | 98       |
| 60) Isopropylbenzene          | 9.873  | 105  | 397900   | 42.176  | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 10.214 | 75   | 133253   | 45.590  | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 10.484 | 105  | 317383   | 40.704  | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 10.857 | 105  | 295519   | 40.676  | ug/L  | 97       |
| 64) 1,3-Dichlorobenzene       | 11.123 | 146  | 201620   | 42.627  | ug/L  | 100      |
| 65) 1,4-Dichlorobenzene       | 11.213 | 146  | 211527   | 41.968  | ug/L  | 97       |
| 67) 1,2-Dichlorobenzene       | 11.583 | 146  | 202597   | 42.439  | ug/L  | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 12.371 | 75   | 38998    | 44.954  | ug/L  | 94       |
| 69) 1,3,5-Trichlorobenzene    | 12.590 | 180  | 147004   | 40.789  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.204 | 180  | 130063   | 41.171  | ug/L  | 100      |
| 71) Naphthalene               | 13.445 | 128  | 348172   | 43.512  | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.686 | 180  | 142107   | 43.288  | ug/L  | 98       |

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

