

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VW070725\  
 Data File : VW038876.D  
 Acq On : 07 Jul 2025 17:56  
 Operator : SY/MD  
 Sample : VSTDC0050  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTDC0050EC

Quant Time: Jul 08 02:48:28 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\82V070225W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 08 02:37:09 2025  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|------------------------------|--------|-------|----------|----------|--------|----------|
| -----                        |        |       |          |          |        |          |
| Internal Standards           |        |       |          |          |        |          |
| 1) Pentafluorobenzene        | 4.600  | 168   | 491609   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 5.532  | 114   | 784809   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 8.776  | 117   | 735361   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 11.172 | 152   | 435940   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 4.940  | 65    | 270360   | 49.070   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 81 - 118 | Recovery | =      | 98.140%  |
| 35) Dibromofluoromethane     | 4.503  | 113   | 246600   | 49.606   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 80 - 119 | Recovery | =      | 99.220%  |
| 50) Toluene-d8               | 7.236  | 98    | 773279   | 48.079   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 89 - 112 | Recovery | =      | 96.160%  |
| 62) 4-Bromofluorobenzene     | 10.001 | 95    | 332063   | 51.102   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 85 - 114 | Recovery | =      | 102.200% |
| Target Compounds             |        |       |          |          |        |          |
|                              |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.121  | 85    | 199344   | 42.716   | ug/l   | 99       |
| 3) Chloromethane             | 1.230  | 50    | 197674   | 34.523   | ug/l   | 99       |
| 4) Vinyl Chloride            | 1.297  | 62    | 225299   | 42.312   | ug/l   | 100      |
| 5) Bromomethane              | 1.490  | 94    | 163102   | 50.194   | ug/l   | 95       |
| 6) Chloroethane              | 1.558  | 64    | 155296   | 43.505   | ug/l   | 96       |
| 7) Trichlorofluoromethane    | 1.725  | 101   | 424750   | 45.087   | ug/l   | 98       |
| 8) Diethyl Ether             | 1.918  | 74    | 151398   | 46.183   | ug/l   | 99       |
| 9) 1,1,2-Trichlorotrifluo... | 2.082  | 101   | 256916   | 48.231   | ug/l   | 99       |
| 10) Methyl Iodide            | 2.195  | 142   | 327092   | 48.397   | ug/l   | 100      |
| 11) Tert butyl alcohol       | 2.564  | 59    | 229432   | 319.021  | ug/l   | 99       |
| 12) 1,1-Dichloroethene       | 2.082  | 96    | 223752   | 44.195   | ug/l   | 97       |
| 13) Acrolein                 | 2.008  | 56    | 47993    | 267.257  | ug/l   | 100      |
| 14) Allyl chloride           | 2.358  | 41    | 338137   | 49.664   | ug/l   | 97       |
| 15) Acrylonitrile            | 2.670  | 53    | 704874   | 280.189  | ug/l   | 98       |
| 16) Acetone                  | 2.117  | 43    | 566125   | 308.335  | ug/l   | 99       |
| 17) Carbon Disulfide         | 2.252  | 76    | 436250   | 37.198   | ug/l   | 99       |
| 18) Methyl Acetate           | 2.378  | 43    | 348428   | 55.653   | ug/l   | 98       |
| 19) Methyl tert-butyl Ether  | 2.709  | 73    | 852322   | 54.449   | ug/l   | 100      |
| 20) Methylene Chloride       | 2.455  | 84    | 274354   | 45.214   | ug/l   | 97       |
| 21) trans-1,2-Dichloroethene | 2.703  | 96    | 234787   | 46.372   | ug/l   | 100      |
| 22) Diisopropyl ether        | 3.211  | 45    | 780501   | 55.916   | ug/l   | 98       |
| 23) Vinyl Acetate            | 3.188  | 43    | 2849645  | 283.111  | ug/l   | 99       |
| 24) 1,1-Dichloroethane       | 3.121  | 63    | 463092   | 49.213   | ug/l   | 97       |
| 25) 2-Butanone               | 3.860  | 43    | 819338   | 301.759  | ug/l   | 100      |
| 26) 2,2-Dichloropropane      | 3.812  | 77    | 414952   | 47.579   | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene   | 3.821  | 96    | 300707   | 50.964   | ug/l   | 100      |
| 28) Bromochloromethane       | 4.149  | 49    | 197810   | 49.186   | ug/l # | 98       |
| 29) Tetrahydrofuran          | 4.230  | 42    | 529866   | 288.142  | ug/l   | 99       |
| 30) Chloroform               | 4.278  | 83    | 526702   | 51.373   | ug/l   | 100      |
| 31) Cyclohexane              | 4.587  | 56    | 320423   | 42.998   | ug/l   | 96       |
| 32) 1,1,1-Trichloroethane    | 4.516  | 97    | 464665   | 48.833   | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 4.747  | 75    | 303207   | 50.264   | ug/l   | 97       |
| 37) Ethyl Acetate            | 3.973  | 43    | 315315   | 51.227   | ug/l   | 96       |
| 38) Carbon Tetrachloride     | 4.738  | 117   | 388694   | 48.955   | ug/l   | 98       |
| 39) Methylcyclohexane        | 6.050  | 83    | 367367   | 46.578   | ug/l   | 98       |
| 40) Benzene                  | 5.011  | 78    | 1004480  | 50.429   | ug/l   | 100      |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTDCCC050EC

Quant Time: Jul 08 02:48:28 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\82V070225W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 08 02:37:09 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units | Dev(Min) |
|-------------------------------|--------|------|----------|----------|-------|----------|
| 41) Methacrylonitrile         | 4.159  | 41   | 151091   | 57.164   | ug/l  | 98       |
| 42) 1,2-Dichloroethane        | 5.040  | 62   | 360209   | 51.079   | ug/l  | 99       |
| 43) Isopropyl Acetate         | 5.188  | 43   | 526342   | 53.600   | ug/l  | 99       |
| 44) Trichloroethene           | 5.831  | 130  | 252205   | 48.517   | ug/l  | 91       |
| 45) 1,2-Dichloropropane       | 6.088  | 63   | 260199   | 52.013   | ug/l  | 97       |
| 46) Dibromomethane            | 6.227  | 93   | 193954   | 49.164   | ug/l  | 99       |
| 47) Bromodichloromethane      | 6.426  | 83   | 427248   | 51.146   | ug/l  | 98       |
| 48) Methyl methacrylate       | 6.294  | 41   | 247490   | 53.004   | ug/l  | 98       |
| 49) 1,4-Dioxane               | 6.284  | 88   | 91898    | 1419.910 | ug/l  | 98       |
| 51) 4-Methyl-2-Pentanone      | 7.146  | 43   | 1793371  | 289.410  | ug/l  | 100      |
| 52) Toluene                   | 7.310  | 92   | 648728   | 52.127   | ug/l  | 99       |
| 53) t-1,3-Dichloropropene     | 7.574  | 75   | 414333   | 51.810   | ug/l  | 100      |
| 54) cis-1,3-Dichloropropene   | 6.947  | 75   | 433139   | 52.971   | ug/l  | 99       |
| 55) 1,1,2-Trichloroethane     | 7.760  | 97   | 289261   | 53.153   | ug/l  | 99       |
| 56) Ethyl methacrylate        | 7.715  | 69   | 405865   | 56.690   | ug/l  | 99       |
| 57) 1,3-Dichloropropane       | 7.934  | 76   | 445637   | 51.982   | ug/l  | 99       |
| 58) 2-Chloroethyl Vinyl ether | 6.812  | 63   | 838741   | 258.005  | ug/l  | 100      |
| 59) 2-Hexanone                | 8.062  | 43   | 1309743  | 299.668  | ug/l  | 99       |
| 60) Dibromochloromethane      | 8.169  | 129  | 352476   | 51.441   | ug/l  | 99       |
| 61) 1,2-Dibromoethane         | 8.271  | 107  | 295494   | 52.483   | ug/l  | 100      |
| 64) Tetrachloroethene         | 7.898  | 164  | 225002   | 47.581   | ug/l  | 98       |
| 65) Chlorobenzene             | 8.805  | 112  | 770086   | 49.692   | ug/l  | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 8.898  | 131  | 297021   | 51.326   | ug/l  | 98       |
| 67) Ethyl Benzene             | 8.937  | 91   | 1286593  | 52.989   | ug/l  | 100      |
| 68) m/p-Xylenes               | 9.062  | 106  | 1029961  | 110.749  | ug/l  | 100      |
| 69) o-Xylene                  | 9.468  | 106  | 486374   | 54.739   | ug/l  | 100      |
| 70) Styrene                   | 9.484  | 104  | 884213   | 56.997   | ug/l  | 99       |
| 71) Bromoform                 | 9.654  | 173  | 251482   | 53.478   | ug/l  | 99       |
| 73) Isopropylbenzene          | 9.857  | 105  | 1373026  | 53.667   | ug/l  | 100      |
| 74) N-amyl acetate            | 9.725  | 43   | 484745   | 54.130   | ug/l  | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 10.165 | 83   | 467881   | 50.446   | ug/l  | 98       |
| 76) 1,2,3-Trichloropropane    | 10.197 | 75   | 347047   | 51.453   | ug/l  | 100      |
| 77) Bromobenzene              | 10.140 | 156  | 336803   | 51.031   | ug/l  | 99       |
| 78) n-propylbenzene           | 10.278 | 91   | 1617330  | 53.120   | ug/l  | 100      |
| 79) 2-Chlorotoluene           | 10.349 | 91   | 965114   | 52.195   | ug/l  | 100      |
| 80) 1,3,5-Trimethylbenzene    | 10.464 | 105  | 1194106  | 54.587   | ug/l  | 99       |
| 81) trans-1,4-Dichloro-2-b... | 9.927  | 75   | 156803   | 49.485   | ug/l  | 94       |
| 82) 4-Chlorotoluene           | 10.461 | 91   | 1148791  | 53.892   | ug/l  | 99       |
| 83) tert-Butylbenzene         | 10.789 | 119  | 1215745  | 53.585   | ug/l  | 99       |
| 84) 1,2,4-Trimethylbenzene    | 10.840 | 105  | 1190978  | 55.548   | ug/l  | 99       |
| 85) sec-Butylbenzene          | 11.014 | 105  | 1563654  | 54.135   | ug/l  | 100      |
| 86) p-Isopropyltoluene        | 11.165 | 119  | 1339781  | 54.101   | ug/l  | 100      |
| 87) 1,3-Dichlorobenzene       | 11.104 | 146  | 675107   | 50.314   | ug/l  | 99       |
| 88) 1,4-Dichlorobenzene       | 11.197 | 146  | 697490   | 49.333   | ug/l  | 99       |
| 89) n-Butylbenzene            | 11.580 | 91   | 1242722  | 54.146   | ug/l  | 100      |
| 90) Hexachloroethane          | 11.821 | 117  | 267707   | 49.800   | ug/l  | 98       |
| 91) 1,2-Dichlorobenzene       | 11.567 | 146  | 649545   | 51.359   | ug/l  | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.352 | 75   | 100804   | 51.334   | ug/l  | 97       |
| 93) 1,2,4-Trichlorobenzene    | 13.184 | 180  | 426393   | 52.014   | ug/l  | 100      |
| 94) Hexachlorobutadiene       | 13.368 | 225  | 192124   | 48.565   | ug/l  | 97       |
| 95) Naphthalene               | 13.422 | 128  | 1450893  | 55.634   | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.667 | 180  | 443664   | 52.443   | ug/l  | 99       |

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Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_V/WATER  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTDCCC050EC

Quant Time: Jul 08 02:48:28 2025  
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Quant Title : SW846 8260  
QLast Update : Tue Jul 08 02:37:09 2025  
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

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

