

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112425\  
 Data File : VX048658.D  
 Acq On : 24 Nov 2025 13:08  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 11/26/2025  
 Supervised By : Mahesh Dadoda 11/26/2025

Quant Time: Nov 26 00:14:56 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X110725W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Nov 08 05:08:11 2025  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|----------|--------|----------|
| -----                        |                |      |            |          |        |          |
| Internal Standards           |                |      |            |          |        |          |
| 1) Pentafluorobenzene        | 5.532          | 168  | 183137     | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.739          | 114  | 283454     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.037         | 117  | 244366     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.006         | 152  | 124928     | 50.000   | ug/l   | 0.00     |
|                              |                |      |            |          |        |          |
| System Monitoring Compounds  |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.934          | 65   | 105981     | 41.531   | ug/l   | -0.01    |
| Spiked Amount 50.000         | Range 78 - 117 |      | Recovery = | 83.060%  |        |          |
| 35) Dibromofluoromethane     | 5.361          | 113  | 96026      | 44.760   | ug/l   | -0.01    |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = | 89.520%  |        |          |
| 50) Toluene-d8               | 8.629          | 98   | 302858     | 45.263   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 92 - 112 |      | Recovery = | 90.520%# |        |          |
| 62) 4-Bromofluorobenzene     | 11.061         | 95   | 114733     | 46.012   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = | 92.020%  |        |          |
|                              |                |      |            |          |        |          |
| Target Compounds             |                |      |            |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.173          | 85   | 90082      | 60.703   | ug/l   | 99       |
| 3) Chloromethane             | 1.301          | 50   | 103549     | 52.610   | ug/l   | 98       |
| 4) Vinyl Chloride            | 1.380          | 62   | 118478     | 53.165   | ug/l   | 99       |
| 5) Bromomethane              | 1.611          | 94   | 75971      | 53.988   | ug/l   | 95       |
| 6) Chloroethane              | 1.691          | 64   | 77103      | 52.831   | ug/l   | 98       |
| 7) Trichlorofluoromethane    | 1.892          | 101  | 197190     | 55.932   | ug/l   | 97       |
| 8) Diethyl Ether             | 2.130          | 74   | 78553      | 55.507   | ug/l   | 94       |
| 9) 1,1,2-Trichlorotrifluo... | 2.331          | 101  | 114203     | 55.954   | ug/l   | 98       |
| 10) Methyl Iodide            | 2.453          | 142  | 149241     | 49.408   | ug/l   | 99       |
| 11) Tert butyl alcohol       | 2.941          | 59   | 134982     | 279.148  | ug/l   | 97       |
| 12) 1,1-Dichloroethene       | 2.319          | 96   | 109945     | 51.571   | ug/l   | 94       |
| 13) Acrolein                 | 2.233          | 56   | 23592      | 337.206  | ug/l   | 94       |
| 14) Allyl chloride           | 2.660          | 41   | 183354     | 46.193   | ug/l   | 99       |
| 15) Acrylonitrile            | 3.050          | 53   | 355572     | 251.894  | ug/l   | 96       |
| 16) Acetone                  | 2.367          | 43   | 271315     | 224.610  | ug/l   | 97       |
| 17) Carbon Disulfide         | 2.514          | 76   | 245843     | 40.979   | ug/l   | 100      |
| 18) Methyl Acetate           | 2.691          | 43   | 172508     | 51.967   | ug/l   | 97       |
| 19) Methyl tert-butyl Ether  | 3.099          | 73   | 399535     | 53.070   | ug/l   | 98       |
| 20) Methylene Chloride       | 2.782          | 84   | 123321     | 49.658   | ug/l   | 97       |
| 21) trans-1,2-Dichloroethene | 3.087          | 96   | 110740     | 49.010   | ug/l   | 95       |
| 22) Diisopropyl ether        | 3.745          | 45   | 373061     | 48.947   | ug/l   | 93       |
| 23) Vinyl Acetate            | 3.703          | 43   | 1610637    | 241.284  | ug/l   | 99       |
| 24) 1,1-Dichloroethane       | 3.599          | 63   | 211537     | 50.581   | ug/l   | 98       |
| 25) 2-Butanone               | 4.532          | 43   | 527477     | 295.185  | ug/l   | 98       |
| 26) 2,2-Dichloropropane      | 4.459          | 77   | 207830     | 58.292   | ug/l   | 98       |
| 27) cis-1,2-Dichloroethene   | 4.471          | 96   | 149761     | 54.223   | ug/l   | 96       |
| 28) Bromochloromethane       | 4.873          | 49   | 89637      | 43.630   | ug/l   | 92       |
| 29) Tetrahydrofuran          | 4.971          | 42   | 317836     | 249.385  | ug/l   | 96       |
| 30) Chloroform               | 5.074          | 83   | 229416     | 53.137   | ug/l   | 100      |
| 31) Cyclohexane              | 5.452          | 56   | 160758     | 46.914   | ug/l   | 92       |
| 32) 1,1,1-Trichloroethane    | 5.361          | 97   | 205278     | 54.480   | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 5.678          | 75   | 143661     | 50.009   | ug/l   | 99       |
| 37) Ethyl Acetate            | 4.684          | 43   | 237655     | 58.771   | ug/l   | 98       |
| 38) Carbon Tetrachloride     | 5.653          | 117  | 178714     | 54.650   | ug/l   | 99       |
| 39) Methylcyclohexane        | 7.360          | 83   | 173362     | 53.746   | ug/l   | 93       |
| 40) Benzene                  | 6.013          | 78   | 454316     | 51.019   | ug/l   | 97       |

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 Sample : VSTDCCC050  
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 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 11/26/2025  
 Supervised By : Mahesh Dadoda 11/26/2025

Quant Time: Nov 26 00:14:56 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X110725W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Nov 08 05:08:11 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 4.898  | 41   | 97161    | 54.636   | ug/l   | 97       |
| 42) 1,2-Dichloroethane        | 6.068  | 62   | 159934   | 52.419   | ug/l   | 100      |
| 43) Isopropyl Acetate         | 6.312  | 43   | 287885   | 50.646   | ug/l   | 98       |
| 44) Trichloroethene           | 7.104  | 130  | 121680   | 57.167   | ug/l   | 99       |
| 45) 1,2-Dichloropropane       | 7.409  | 63   | 114149   | 55.751   | ug/l   | 99       |
| 46) Dibromomethane            | 7.562  | 93   | 89051    | 59.631   | ug/l   | 98       |
| 47) Bromodichloromethane      | 7.799  | 83   | 184167   | 61.817   | ug/l   | 98       |
| 48) Methyl methacrylate       | 7.671  | 41   | 140636   | 55.656   | ug/l   | 97       |
| 49) 1,4-Dioxane               | 7.635  | 88   | 53242    | 1382.790 | ug/l   | 96       |
| 51) 4-Methyl-2-Pentanone      | 8.555  | 43   | 1070012  | 330.691  | ug/l   | 99       |
| 52) Toluene                   | 8.702  | 92   | 278058   | 59.310   | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 8.958  | 75   | 186766   | 60.840   | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 8.348  | 75   | 206435   | 64.944   | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane     | 9.135  | 97   | 119507   | 63.802   | ug/l   | 98       |
| 56) Ethyl methacrylate        | 9.098  | 69   | 197650   | 63.424   | ug/l   | 95       |
| 57) 1,3-Dichloropropane       | 9.287  | 76   | 200482   | 61.492   | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 8.220  | 63   | 548581   | 327.424  | ug/l   | 100      |
| 59) 2-Hexanone                | 9.409  | 43   | 772612   | 321.000  | ug/l   | 97       |
| 60) Dibromochloromethane      | 9.500  | 129  | 152039   | 66.111   | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 9.592  | 107  | 130172   | 64.163   | ug/l   | 100      |
| 64) Tetrachloroethene         | 9.256  | 164  | 94068    | 52.999   | ug/l   | 97       |
| 65) Chlorobenzene             | 10.061 | 112  | 323983   | 55.858   | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 10.147 | 131  | 120818   | 62.168   | ug/l   | 99       |
| 67) Ethyl Benzene             | 10.177 | 91   | 537059   | 55.141   | ug/l   | 97       |
| 68) m/p-Xylenes               | 10.281 | 106  | 420233   | 114.561  | ug/l   | 98       |
| 69) o-Xylene                  | 10.622 | 106  | 202910   | 56.538   | ug/l   | 99       |
| 70) Styrene                   | 10.634 | 104  | 349778   | 58.099   | ug/l   | 100      |
| 71) Bromoform                 | 10.781 | 173  | 112149   | 62.550   | ug/l # | 99       |
| 73) Isopropylbenzene          | 10.945 | 105  | 524781   | 57.871   | ug/l   | 99       |
| 74) N-amyl acetate            | 10.823 | 43   | 232230   | 51.004   | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane | 11.195 | 83   | 176797   | 55.286   | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 11.220 | 75   | 147626m  | 49.050   | ug/l   |          |
| 77) Bromobenzene              | 11.177 | 156  | 139775   | 59.693   | ug/l   | 94       |
| 78) n-propylbenzene           | 11.287 | 91   | 606360   | 56.868   | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 11.348 | 91   | 355297   | 55.144   | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 11.433 | 105  | 425370   | 57.541   | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 11.000 | 75   | 62070    | 58.989   | ug/l # | 89       |
| 82) 4-Chlorotoluene           | 11.433 | 91   | 417638   | 55.259   | ug/l   | 97       |
| 83) tert-Butylbenzene         | 11.695 | 119  | 443846   | 58.049   | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 11.732 | 105  | 432634   | 58.003   | ug/l   | 98       |
| 85) sec-Butylbenzene          | 11.872 | 105  | 534150   | 56.523   | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 11.988 | 119  | 459433   | 57.827   | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 11.951 | 146  | 249839   | 56.928   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 12.024 | 146  | 250287   | 55.213   | ug/l   | 99       |
| 89) n-Butylbenzene            | 12.311 | 91   | 412817   | 55.388   | ug/l   | 99       |
| 90) Hexachloroethane          | 12.518 | 117  | 88038    | 58.160   | ug/l   | 93       |
| 91) 1,2-Dichlorobenzene       | 12.317 | 146  | 241757   | 57.383   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.920 | 75   | 42006    | 56.524   | ug/l   | 93       |
| 93) 1,2,4-Trichlorobenzene    | 13.567 | 180  | 164033   | 58.591   | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 13.707 | 225  | 65808    | 56.230   | ug/l   | 97       |
| 95) Naphthalene               | 13.756 | 128  | 537198   | 59.681   | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.939 | 180  | 155797   | 59.828   | ug/l   | 99       |

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ALS Vial : 2 Sample Multiplier: 1

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MSVOA\_X  
ClientSampleId :  
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Manual Integrations  
APPROVED

Reviewed By :John Carlone 11/26/2025  
Supervised By :Mahesh Dadoda 11/26/2025

Quant Time: Nov 26 00:14:56 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X110725W.M  
Quant Title : SW846 8260  
QLast Update : Sat Nov 08 05:08:11 2025  
Response via : Initial Calibration

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

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

