

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX060625\  
 Data File : VX046518.D  
 Acq On : 06 Jun 2025 09:42  
 Operator : JC/MD  
 Sample : VSTDICC005  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICC005

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 06/06/2025  
 Supervised By : Mahesh Dadoda 06/09/2025

Quant Time: Jun 06 16:40:47 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X060625W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 06 16:38:39 2025  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|----------|--------|----------|
| -----                        |                |      |            |          |        |          |
| Internal Standards           |                |      |            |          |        |          |
| 1) Pentafluorobenzene        | 5.562          | 168  | 104428     | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.763          | 114  | 181356     | 50.000   | ug/l   | -0.01    |
| 63) Chlorobenzene-d5         | 10.055         | 117  | 164496     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.018         | 152  | 81515      | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.964          | 65   | 10415      | 5.606    | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 74 - 125 |      | Recovery = | 11.220%# |        |          |
| 35) Dibromofluoromethane     | 5.391          | 113  | 7110       | 5.331    | ug/l   | -0.01    |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = | 10.660%# |        |          |
| 50) Toluene-d8               | 8.653          | 98   | 24704      | 5.618    | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 86 - 113 |      | Recovery = | 11.240%# |        |          |
| 62) 4-Bromofluorobenzene     | 11.079         | 95   | 10224      | 5.620    | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 77 - 121 |      | Recovery = | 11.240%# |        |          |
| Target Compounds             |                |      |            |          |        |          |
|                              |                |      |            |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.179          | 85   | 7726       | 5.329    | ug/l   | 99       |
| 3) Chloromethane             | 1.307          | 50   | 7698       | 5.833    | ug/l   | 99       |
| 4) Vinyl Chloride            | 1.386          | 62   | 7283       | 5.536    | ug/l   | 92       |
| 5) Bromomethane              | 1.618          | 94   | 6181       | 7.740    | ug/l   | 89       |
| 6) Chloroethane              | 1.697          | 64   | 4764       | 5.582    | ug/l   | 98       |
| 7) Trichlorofluoromethane    | 1.904          | 101  | 11861      | 5.450    | ug/l   | 97       |
| 8) Diethyl Ether             | 2.148          | 74   | 3843       | 4.997    | ug/l   | 100      |
| 9) 1,1,2-Trichlorotrifluo... | 2.349          | 101  | 7299       | 5.323    | ug/l   | 98       |
| 10) Methyl Iodide            | 2.465          | 142  | 6815       | 4.585    | ug/l   | 96       |
| 11) Tert butyl alcohol       | 2.971          | 59   | 4565       | 22.143   | ug/l   | 97       |
| 12) 1,1-Dichloroethene       | 2.331          | 96   | 6923       | 5.584    | ug/l   | 92       |
| 13) Acrolein                 | 2.246          | 56   | 2067       | 37.301   | ug/l   | 95       |
| 14) Allyl chloride           | 2.678          | 41   | 12513      | 5.139    | ug/l   | 99       |
| 15) Acrylonitrile            | 3.075          | 53   | 19139      | 24.554   | ug/l   | 100      |
| 16) Acetone                  | 2.392          | 43   | 18117      | 28.970   | ug/l   | 92       |
| 17) Carbon Disulfide         | 2.526          | 76   | 16895      | 6.594    | ug/l   | 99       |
| 18) Methyl Acetate           | 2.715          | 43   | 9089       | 4.107    | ug/l   | 98       |
| 19) Methyl tert-butyl Ether  | 3.130          | 73   | 21281      | 4.905    | ug/l   | 100      |
| 20) Methylene Chloride       | 2.800          | 84   | 7851       | 5.267    | ug/l   | 95       |
| 21) trans-1,2-Dichloroethene | 3.105          | 96   | 6901       | 5.260    | ug/l   | 87       |
| 22) Diisopropyl ether        | 3.770          | 45   | 24417      | 5.086    | ug/l # | 55       |
| 23) Vinyl Acetate            | 3.739          | 43   | 90187      | 24.333   | ug/l   | 97       |
| 24) 1,1-Dichloroethane       | 3.617          | 63   | 14092      | 5.267    | ug/l   | 98       |
| 25) 2-Butanone               | 4.581          | 43   | 23977      | 23.183   | ug/l   | 98       |
| 26) 2,2-Dichloropropane      | 4.483          | 77   | 9718       | 4.893    | ug/l   | 95       |
| 27) cis-1,2-Dichloroethene   | 4.495          | 96   | 8212       | 5.084    | ug/l   | 97       |
| 28) Bromochloromethane       | 4.910          | 49   | 6807       | 5.334    | ug/l # | 99       |
| 29) Tetrahydrofuran          | 5.026          | 42   | 15713      | 24.057   | ug/l   | 93       |
| 30) Chloroform               | 5.099          | 83   | 14532      | 5.184    | ug/l   | 94       |
| 31) Cyclohexane              | 5.483          | 56   | 12241      | 5.667    | ug/l   | 89       |
| 32) 1,1,1-Trichloroethane    | 5.391          | 97   | 12216      | 5.094    | ug/l   | 97       |
| 36) 1,1-Dichloropropene      | 5.702          | 75   | 10048      | 5.274    | ug/l   | 96       |
| 37) Ethyl Acetate            | 4.733          | 43   | 8766       | 4.716    | ug/l # | 89       |
| 38) Carbon Tetrachloride     | 5.690          | 117  | 10857      | 5.088    | ug/l   | 98       |
| 39) Methylcyclohexane        | 7.385          | 83   | 12614      | 5.610    | ug/l   | 97       |
| 40) Benzene                  | 6.044          | 78   | 28961      | 5.400    | ug/l   | 96       |

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 Data File : VX046518.D  
 Acq On : 06 Jun 2025 09:42  
 Operator : JC/MD  
 Sample : VSTDICC005  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICC005

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 06/06/2025  
 Supervised By : Mahesh Dadoda 06/09/2025

Quant Time: Jun 06 16:40:47 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X060625W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 06 16:38:39 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 41) Methacrylonitrile         | 4.940  | 41   | 5621     | 4.868  | ug/l # | 90       |
| 42) 1,2-Dichloroethane        | 6.092  | 62   | 11718    | 5.252  | ug/l   | 100      |
| 43) Isopropyl Acetate         | 6.349  | 43   | 15275    | 4.712  | ug/l # | 97       |
| 44) Trichloroethene           | 7.129  | 130  | 6978     | 5.121  | ug/l   | 99       |
| 45) 1,2-Dichloropropane       | 7.434  | 63   | 7132     | 5.152  | ug/l   | 97       |
| 46) Dibromomethane            | 7.586  | 93   | 5588     | 5.366  | ug/l   | 97       |
| 47) Bromodichloromethane      | 7.824  | 83   | 10524    | 4.915  | ug/l   | 97       |
| 48) Methyl methacrylate       | 7.708  | 41   | 7663     | 4.595  | ug/l   | 97       |
| 49) 1,4-Dioxane               | 7.665  | 88   | 2221     | 99.585 | ug/l   | 98       |
| 51) 4-Methyl-2-Pentanone      | 8.574  | 43   | 49709    | 24.133 | ug/l   | 99       |
| 52) Toluene                   | 8.720  | 92   | 17773    | 5.394  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 8.982  | 75   | 8503     | 4.429  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 8.373  | 75   | 10282    | 4.817  | ug/l   | 92       |
| 55) 1,1,2-Trichloroethane     | 9.153  | 97   | 6794     | 5.136  | ug/l   | 97       |
| 56) Ethyl methacrylate        | 9.122  | 69   | 9723     | 4.777  | ug/l   | 97       |
| 57) 1,3-Dichloropropane       | 9.311  | 76   | 12033    | 5.148  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 8.245  | 63   | 27324    | 24.645 | ug/l   | 97       |
| 59) 2-Hexanone                | 9.433  | 43   | 34128    | 23.102 | ug/l   | 98       |
| 60) Dibromochloromethane      | 9.519  | 129  | 7808     | 5.018  | ug/l   | 96       |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 6661     | 4.833  | ug/l   | 94       |
| 64) Tetrachloroethene         | 9.275  | 164  | 5704     | 5.186  | ug/l   | 90       |
| 65) Chlorobenzene             | 10.080 | 112  | 19529    | 5.048  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131  | 6488     | 4.963  | ug/l   | 98       |
| 67) Ethyl Benzene             | 10.195 | 91   | 34429    | 5.098  | ug/l   | 98       |
| 68) m/p-Xylenes               | 10.299 | 106  | 24857    | 10.146 | ug/l   | 99       |
| 69) o-Xylene                  | 10.640 | 106  | 11976    | 5.054  | ug/l   | 99       |
| 70) Styrene                   | 10.659 | 104  | 19826    | 4.888  | ug/l   | 98       |
| 71) Bromoform                 | 10.799 | 173  | 4418     | 4.432  | ug/l # | 96       |
| 73) Isopropylbenzene          | 10.964 | 105  | 32087    | 5.007  | ug/l   | 99       |
| 74) N-amyl acetate            | 10.848 | 43   | 13145    | 4.658  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane | 11.214 | 83   | 10551    | 5.144  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 8330m    | 4.746  | ug/l   |          |
| 77) Bromobenzene              | 11.195 | 156  | 7367     | 4.953  | ug/l   | 98       |
| 78) n-propylbenzene           | 11.305 | 91   | 37974    | 4.896  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 11.366 | 91   | 23514    | 5.028  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 27140    | 5.083  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 2236     | 3.736  | ug/l # | 77       |
| 82) 4-Chlorotoluene           | 11.457 | 91   | 27633    | 4.985  | ug/l   | 97       |
| 83) tert-Butylbenzene         | 11.713 | 119  | 27238    | 5.011  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 26973    | 4.993  | ug/l   | 97       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 35458    | 5.077  | ug/l   | 97       |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 28606    | 4.913  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 14222    | 4.924  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 12.043 | 146  | 14704    | 4.913  | ug/l   | 87       |
| 89) n-Butylbenzene            | 12.329 | 91   | 27055    | 4.731  | ug/l   | 99       |
| 90) Hexachloroethane          | 12.536 | 117  | 4884     | 4.719  | ug/l   | 93       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 14100    | 5.058  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75   | 2035     | 4.431  | ug/l   | 95       |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 8458     | 4.447  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 4285     | 4.848  | ug/l   | 97       |
| 95) Naphthalene               | 13.774 | 128  | 25583    | 4.242  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 8491     | 4.453  | ug/l   | 99       |

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Sample : VSTDICC005  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC005

Manual Integrations  
APPROVED

Reviewed By :John Carlone 06/06/2025  
Supervised By :Mahesh Dadoda 06/09/2025

Quant Time: Jun 06 16:40:47 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X060625W.M  
Quant Title : SW846 8260  
QLast Update : Fri Jun 06 16:38:39 2025  
Response via : Initial Calibration

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

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

