

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX050525\  
 Data File : VX046046.D  
 Acq On : 05 May 2025 16:04  
 Operator : JC/MD  
 Sample : VSTDICC005  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICC005

Quant Time: May 06 06:12:34 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X050525W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 06 06:04:56 2025  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 05/06/2025  
 Supervised By : Mahesh Dadoda 05/06/2025

| Compound                     | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|---------|--------|----------|
| -----                        |                |      |            |         |        |          |
| Internal Standards           |                |      |            |         |        |          |
| 1) Pentafluorobenzene        | 5.538          | 168  | 96964      | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.751          | 114  | 168484     | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.049         | 117  | 147167     | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.018         | 152  | 67939      | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.946          | 65   | 9067       | 3.143   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 74 - 125 |      | Recovery = | 6.280%# |        |          |
| 35) Dibromofluoromethane     | 5.373          | 113  | 5969       | 3.161   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = | 6.320%# |        |          |
| 50) Toluene-d8               | 8.647          | 98   | 20566      | 3.232   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 86 - 113 |      | Recovery = | 6.460%# |        |          |
| 62) 4-Bromofluorobenzene     | 11.079         | 95   | 7822       | 3.378   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 77 - 121 |      | Recovery = | 6.760%# |        |          |
| Target Compounds             |                |      |            |         |        |          |
|                              |                |      |            |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.166          | 85   | 6195       | 2.894   | ug/l   | 95       |
| 3) Chloromethane             | 1.307          | 50   | 6587       | 3.125   | ug/l   | 99       |
| 4) Vinyl Chloride            | 1.374          | 62   | 5999       | 3.249   | ug/l   | 96       |
| 5) Bromomethane              | 1.593          | 94   | 2962       | 3.164   | ug/l   | 88       |
| 6) Chloroethane              | 1.666          | 64   | 3567       | 3.750   | ug/l   | 94       |
| 7) Trichlorofluoromethane    | 1.874          | 101  | 9599       | 3.413   | ug/l   | 88       |
| 8) Diethyl Ether             | 2.130          | 74   | 3020       | 3.266   | ug/l   | 95       |
| 9) 1,1,2-Trichlorotrifluo... | 2.325          | 101  | 5911       | 3.517   | ug/l   | 99       |
| 10) Methyl Iodide            | 2.441          | 142  | 5900       | 2.990   | ug/l   | 99       |
| 11) Tert butyl alcohol       | 2.965          | 59   | 5539       | 16.111  | ug/l   | 98       |
| 12) 1,1-Dichloroethene       | 2.306          | 96   | 5496       | 3.359   | ug/l   | 97       |
| 13) Acrolein                 | 2.233          | 56   | 5673       | 14.206  | ug/l   | 95       |
| 14) Allyl chloride           | 2.654          | 41   | 10262      | 3.319   | ug/l   | 98       |
| 15) Acrylonitrile            | 3.062          | 53   | 16746      | 16.282  | ug/l   | 97       |
| 16) Acetone                  | 2.380          | 43   | 19773      | 20.036  | ug/l   | 98       |
| 17) Carbon Disulfide         | 2.501          | 76   | 11068      | 2.919   | ug/l   | 96       |
| 18) Methyl Acetate           | 2.703          | 43   | 7909       | 3.357   | ug/l   | 100      |
| 19) Methyl tert-butyl Ether  | 3.111          | 73   | 18497      | 3.241   | ug/l   | 97       |
| 20) Methylene Chloride       | 2.782          | 84   | 6680       | 3.341   | ug/l   | 97       |
| 21) trans-1,2-Dichloroethene | 3.081          | 96   | 5402       | 3.234   | ug/l   | 100      |
| 22) Diisopropyl ether        | 3.751          | 45   | 18657      | 3.230   | ug/l # | 65       |
| 23) Vinyl Acetate            | 3.715          | 43   | 82328      | 16.127  | ug/l   | 99       |
| 24) 1,1-Dichloroethane       | 3.605          | 63   | 11193      | 3.297   | ug/l   | 99       |
| 25) 2-Butanone               | 4.562          | 43   | 26125      | 18.340  | ug/l   | 98       |
| 26) 2,2-Dichloropropane      | 4.465          | 77   | 8245       | 3.205   | ug/l   | 96       |
| 27) cis-1,2-Dichloroethene   | 4.483          | 96   | 6222       | 3.089   | ug/l   | 95       |
| 28) Bromochloromethane       | 4.891          | 49   | 5360       | 2.969   | ug/l # | 100      |
| 29) Tetrahydrofuran          | 5.001          | 42   | 15431      | 16.680  | ug/l   | 98       |
| 30) Chloroform               | 5.080          | 83   | 11624      | 3.294   | ug/l   | 89       |
| 31) Cyclohexane              | 5.458          | 56   | 10269      | 3.588   | ug/l   | 96       |
| 32) 1,1,1-Trichloroethane    | 5.367          | 97   | 9827       | 3.229   | ug/l   | 97       |
| 36) 1,1-Dichloropropene      | 5.678          | 75   | 7787       | 3.551   | ug/l   | 98       |
| 37) Ethyl Acetate            | 4.721          | 43   | 9806m      | 3.565   | ug/l   |          |
| 38) Carbon Tetrachloride     | 5.659          | 117  | 8505       | 3.376   | ug/l   | 97       |
| 39) Methylcyclohexane        | 7.373          | 83   | 9882       | 3.597   | ug/l   | 93       |
| 40) Benzene                  | 6.031          | 78   | 22528      | 3.315   | ug/l   | 100      |

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 Data File : VX046046.D  
 Acq On : 05 May 2025 16:04  
 Operator : JC/MD  
 Sample : VSTDICC005  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICC005

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 05/06/2025  
 Supervised By : Mahesh Dadoda 05/06/2025

Quant Time: May 06 06:12:34 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X050525W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 06 06:04:56 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 41) Methacrylonitrile         | 4.916  | 41   | 4851     | 3.174  | ug/l # | 65       |
| 42) 1,2-Dichloroethane        | 6.080  | 62   | 10011    | 3.563  | ug/l   | 100      |
| 43) Isopropyl Acetate         | 6.348  | 43   | 13914    | 3.309  | ug/l   | 96       |
| 44) Trichloroethene           | 7.123  | 130  | 5313     | 3.307  | ug/l   | 94       |
| 45) 1,2-Dichloropropane       | 7.427  | 63   | 5451     | 3.228  | ug/l # | 89       |
| 46) Dibromomethane            | 7.580  | 93   | 4417     | 3.318  | ug/l   | 98       |
| 47) Bromodichloromethane      | 7.818  | 83   | 8394     | 3.254  | ug/l   | 98       |
| 48) Methyl methacrylate       | 7.696  | 41   | 7171     | 3.321  | ug/l   | 97       |
| 49) 1,4-Dioxane               | 7.659  | 88   | 2907     | 67.721 | ug/l   | 96       |
| 51) 4-Methyl-2-Pentanone      | 8.567  | 43   | 46794    | 16.967 | ug/l   | 98       |
| 52) Toluene                   | 8.714  | 92   | 14126    | 3.505  | ug/l   | 97       |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 6834     | 3.155  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 7908     | 3.129  | ug/l   | 91       |
| 55) 1,1,2-Trichloroethane     | 9.153  | 97   | 5685     | 3.490  | ug/l   | 98       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 8555     | 3.390  | ug/l   | 98       |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 10127    | 3.508  | ug/l   | 94       |
| 58) 2-Chloroethyl Vinyl ether | 8.238  | 63   | 20809    | 18.346 | ug/l   | 99       |
| 59) 2-Hexanone                | 9.427  | 43   | 34853    | 16.651 | ug/l   | 97       |
| 60) Dibromochloromethane      | 9.518  | 129  | 5500     | 3.102  | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 9.604  | 107  | 5614     | 3.356  | ug/l   | 99       |
| 64) Tetrachloroethene         | 9.269  | 164  | 4752     | 3.162  | ug/l   | 96       |
| 65) Chlorobenzene             | 10.079 | 112  | 15391    | 3.399  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131  | 5024     | 3.326  | ug/l   | 99       |
| 67) Ethyl Benzene             | 10.195 | 91   | 26732    | 3.463  | ug/l   | 99       |
| 68) m/p-Xylenes               | 10.299 | 106  | 19957    | 7.156  | ug/l   | 98       |
| 69) o-Xylene                  | 10.640 | 106  | 9398     | 3.343  | ug/l   | 95       |
| 70) Styrene                   | 10.652 | 104  | 14900    | 3.312  | ug/l   | 99       |
| 71) Bromoform                 | 10.799 | 173  | 3470     | 3.059  | ug/l # | 99       |
| 73) Isopropylbenzene          | 10.957 | 105  | 24201    | 3.266  | ug/l   | 98       |
| 74) N-amyl acetate            | 10.841 | 43   | 11224    | 3.038  | ug/l   | 96       |
| 75) 1,1,2,2-Tetrachloroethane | 11.207 | 83   | 9170     | 3.479  | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 7928m    | 2.799  | ug/l   |          |
| 77) Bromobenzene              | 11.195 | 156  | 5857     | 3.417  | ug/l   | 96       |
| 78) n-propylbenzene           | 11.299 | 91   | 28436    | 3.424  | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 11.360 | 91   | 18672    | 3.336  | ug/l   | 97       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 20742    | 3.372  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 1828     | 2.686  | ug/l   | 99       |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 19966    | 3.245  | ug/l   | 98       |
| 83) tert-Butylbenzene         | 11.713 | 119  | 21049    | 3.484  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 20613    | 3.355  | ug/l   | 97       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 25590    | 3.412  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 20955    | 3.460  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 10585    | 3.315  | ug/l   | 97       |
| 88) 1,4-Dichlorobenzene       | 12.036 | 146  | 10908    | 3.486  | ug/l   | 90       |
| 89) n-Butylbenzene            | 12.329 | 91   | 18004    | 3.419  | ug/l   | 94       |
| 90) Hexachloroethane          | 12.536 | 117  | 3553     | 3.153  | ug/l   | 94       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 10712    | 3.444  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75   | 1687     | 2.812  | ug/l   | 99       |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 5720     | 3.359  | ug/l   | 96       |
| 94) Hexachlorobutadiene       | 13.719 | 225  | 2816     | 3.535  | ug/l   | 96       |
| 95) Naphthalene               | 13.774 | 128  | 19902    | 3.209  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 13.957 | 180  | 5745     | 3.217  | ug/l   | 97       |

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Data File : VX046046.D  
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Operator : JC/MD  
Sample : VSTDICC005  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC005

Manual Integrations  
APPROVED

Reviewed By :John Carlone 05/06/2025  
Supervised By :Mahesh Dadoda 05/06/2025

Quant Time: May 06 06:12:34 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X050525W.M  
Quant Title : SW846 8260  
QLast Update : Tue May 06 06:04:56 2025  
Response via : Initial Calibration

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

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

