

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN102325\  
 Data File : VN088078.D  
 Acq On : 23 Oct 2025 09:42  
 Operator : JC\MD  
 Sample : VSTDIC001  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC001

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 10/24/2025  
 Supervised By : Mahesh Dadoda 10/27/2025

Quant Time: Oct 24 02:50:39 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N102325W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Oct 24 02:50:29 2025  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|------------------------------|--------|-------|----------|----------|--------|----------|
| -----                        |        |       |          |          |        |          |
| Internal Standards           |        |       |          |          |        |          |
| 1) Pentafluorobenzene        | 8.206  | 168   | 310632   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 9.083  | 114   | 586229   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.847 | 117   | 509993   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.770 | 152   | 233824   | 50.000   | ug/l   | 0.00     |
|                              |        |       |          |          |        |          |
| System Monitoring Compounds  |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 0.000  | 65    | 0d       | 0.000    | ug/l   |          |
| Spiked Amount                | 50.000 | Range | 74 - 125 | Recovery | =      | 0.000%#  |
| 35) Dibromofluoromethane     | 0.000  | 113   | 0d       | 0.000    | ug/l   |          |
| Spiked Amount                | 50.000 | Range | 75 - 124 | Recovery | =      | 0.000%#  |
| 50) Toluene-d8               | 0.000  | 98    | 0d       | 0.000    | ug/l   |          |
| Spiked Amount                | 50.000 | Range | 86 - 113 | Recovery | =      | 0.000%#  |
| 62) 4-Bromofluorobenzene     | 0.000  | 95    | 0d       | 0.000    | ug/l   |          |
| Spiked Amount                | 50.000 | Range | 77 - 121 | Recovery | =      | 0.000%#  |
|                              |        |       |          |          |        |          |
| Target Compounds             |        |       |          |          |        | Qvalue   |
| 2) Dichlorodifluoromethane   | 2.142  | 85    | 3763     | 1.074    | ug/l   | 96       |
| 3) Chloromethane             | 2.389  | 50    | 4857     | 1.178    | ug/l   | 88       |
| 4) Vinyl Chloride            | 2.542  | 62    | 4975     | 1.108    | ug/l   | 98       |
| 6) Chloroethane              | 3.136  | 64    | 3717     | 1.149    | ug/l # | 72       |
| 7) Trichlorofluoromethane    | 3.501  | 101   | 7446     | 1.039    | ug/l   | 87       |
| 8) Diethyl Ether             | 3.959  | 74    | 2835     | 1.065    | ug/l   | 60       |
| 9) 1,1,2-Trichlorotrifluo... | 4.353  | 101   | 3959     | 1.071    | ug/l # | 22       |
| 12) 1,1-Dichloroethene       | 4.348  | 96    | 5008     | 1.283    | ug/l # | 64       |
| 14) Allyl chloride           | 5.012  | 41    | 8229m    | 1.206    | ug/l   |          |
| 15) Acrylonitrile            | 5.712  | 53    | 12351    | 4.900    | ug/l   | 95       |
| 16) Acetone                  | 4.424  | 43    | 17476    | 6.476    | ug/l   | 95       |
| 17) Carbon Disulfide         | 4.700  | 76    | 13312    | 1.122    | ug/l   | 96       |
| 18) Methyl Acetate           | 5.024  | 43    | 6099     | 1.104    | ug/l # | 86       |
| 19) Methyl tert-butyl Ether  | 5.777  | 73    | 14637    | 1.021    | ug/l   | 93       |
| 20) Methylene Chloride       | 5.265  | 84    | 5554     | 2.075    | ug/l   | 93       |
| 21) trans-1,2-Dichloroethene | 5.765  | 96    | 5093m    | 1.180    | ug/l   |          |
| 22) Diisopropyl ether        | 6.659  | 45    | 14446    | 1.004    | ug/l   | 89       |
| 23) Vinyl Acetate            | 6.594  | 43    | 60828    | 4.692    | ug/l # | 93       |
| 24) 1,1-Dichloroethane       | 6.553  | 63    | 8517     | 1.068    | ug/l # | 82       |
| 25) 2-Butanone               | 7.477  | 43    | 19098m   | 5.426    | ug/l   |          |
| 26) 2,2-Dichloropropane      | 7.477  | 77    | 8718     | 1.203    | ug/l   | 93       |
| 27) cis-1,2-Dichloroethene   | 7.471  | 96    | 5492     | 1.113    | ug/l   | 93       |
| 28) Bromochloromethane       | 7.800  | 49    | 3776     | 1.002    | ug/l # | 98       |
| 29) Tetrahydrofuran          | 7.836  | 42    | 12815    | 5.529    | ug/l # | 65       |
| 30) Chloroform               | 7.953  | 83    | 8286     | 1.040    | ug/l   | 96       |
| 32) 1,1,1-Trichloroethane    | 8.153  | 97    | 8036     | 1.133    | ug/l # | 43       |
| 36) 1,1-Dichloropropene      | 8.347  | 75    | 6036     | 1.050    | ug/l   | 90       |
| 37) Ethyl Acetate            | 7.553  | 43    | 8700m    | 1.177    | ug/l   |          |
| 38) Carbon Tetrachloride     | 8.347  | 117   | 6381     | 1.074    | ug/l # | 92       |
| 39) Methylcyclohexane        | 9.583  | 83    | 8221     | 1.112    | ug/l   | 92       |
| 40) Benzene                  | 8.588  | 78    | 19008    | 1.085    | ug/l   | 96       |
| 41) Methacrylonitrile        | 7.771  | 41    | 4616     | 1.182    | ug/l # | 89       |
| 42) 1,2-Dichloroethane       | 8.653  | 62    | 6475     | 1.041    | ug/l   | 100      |
| 43) Isopropyl Acetate        | 8.671  | 43    | 11616    | 1.019    | ug/l   | 96       |
| 44) Trichloroethene          | 9.330  | 130   | 4394     | 1.073    | ug/l   | 93       |
| 45) 1,2-Dichloropropane      | 9.600  | 63    | 4927     | 1.114    | ug/l   | 91       |

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 Acq On : 23 Oct 2025 09:42  
 Operator : JC\MD  
 Sample : VSTDIC001  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC001

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 10/24/2025  
 Supervised By : Mahesh Dadoda 10/27/2025

Quant Time: Oct 24 02:50:39 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N102325W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Oct 24 02:50:29 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 46) Dibromomethane            | 9.688  | 93   | 3222     | 1.022  | ug/l   | 90       |
| 47) Bromodichloromethane      | 9.871  | 83   | 6578     | 1.042  | ug/l # | 99       |
| 48) Methyl methacrylate       | 9.671  | 41   | 5726m    | 1.057  | ug/l   |          |
| 49) 1,4-Dioxane               | 9.700  | 88   | 1238m    | 18.907 | ug/l   |          |
| 51) 4-Methyl-2-Pentanone      | 10.430 | 43   | 32109    | 4.760  | ug/l   | 96       |
| 52) Toluene                   | 10.606 | 92   | 11382    | 1.054  | ug/l   | 90       |
| 53) t-1,3-Dichloropropene     | 10.818 | 75   | 6496     | 0.967  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 10.294 | 75   | 7213     | 1.012  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane     | 11.000 | 97   | 4933     | 1.204  | ug/l # | 82       |
| 56) Ethyl methacrylate        | 10.871 | 69   | 6039m    | 0.933  | ug/l   |          |
| 57) 1,3-Dichloropropane       | 11.147 | 76   | 7489     | 1.040  | ug/l   | 89       |
| 58) 2-Chloroethyl Vinyl ether | 10.141 | 63   | 16393    | 4.862  | ug/l   | 99       |
| 59) 2-Hexanone                | 11.182 | 43   | 21660m   | 4.891  | ug/l   |          |
| 60) Dibromochloromethane      | 11.341 | 129  | 4900     | 1.052  | ug/l   | 90       |
| 61) 1,2-Dibromoethane         | 11.447 | 107  | 4721     | 1.120  | ug/l   | 83       |
| 64) Tetrachloroethene         | 11.088 | 164  | 4083     | 1.214  | ug/l # | 79       |
| 65) Chlorobenzene             | 11.876 | 112  | 12205    | 1.054  | ug/l # | 89       |
| 66) 1,1,1,2-Tetrachloroethane | 11.941 | 131  | 4044     | 1.066  | ug/l # | 65       |
| 67) Ethyl Benzene             | 11.947 | 91   | 21103    | 1.038  | ug/l   | 96       |
| 68) m/p-Xylenes               | 12.053 | 106  | 14958    | 1.964  | ug/l   | 93       |
| 69) o-Xylene                  | 12.382 | 106  | 6831     | 0.946  | ug/l   | 98       |
| 70) Styrene                   | 12.394 | 104  | 9645     | 0.819  | ug/l   | 99       |
| 71) Bromoform                 | 12.565 | 173  | 2730     | 0.964  | ug/l # | 100      |
| 73) Isopropylbenzene          | 12.676 | 105  | 19589    | 1.086  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 12.923 | 83   | 6098     | 1.086  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 12.971 | 75   | 6237m    | 1.246  | ug/l   |          |
| 77) Bromobenzene              | 12.959 | 156  | 3862     | 0.993  | ug/l   | 71       |
| 78) n-propylbenzene           | 13.018 | 91   | 22793    | 1.036  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 13.106 | 91   | 11655    | 0.929  | ug/l   | 93       |
| 80) 1,3,5-Trimethylbenzene    | 13.153 | 105  | 15569    | 1.039  | ug/l   | 98       |
| 82) 4-Chlorotoluene           | 13.200 | 91   | 15055    | 1.109  | ug/l   | 93       |
| 83) tert-Butylbenzene         | 13.418 | 119  | 14748    | 1.102  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 13.459 | 105  | 15160    | 1.012  | ug/l   | 97       |
| 85) sec-Butylbenzene          | 13.594 | 105  | 21410    | 1.089  | ug/l   | 96       |
| 86) p-Isopropyltoluene        | 13.712 | 119  | 15289    | 0.970  | ug/l   | 90       |
| 87) 1,3-Dichlorobenzene       | 13.718 | 146  | 8312     | 1.071  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene       | 13.788 | 146  | 9656m    | 1.155  | ug/l   |          |
| 89) n-Butylbenzene            | 14.035 | 91   | 15880    | 1.017  | ug/l   | 97       |
| 90) Hexachloroethane          | 14.312 | 117  | 3211     | 1.052  | ug/l   | 96       |
| 91) 1,2-Dichlorobenzene       | 14.088 | 146  | 8266     | 1.105  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.700 | 75   | 1522     | 1.165  | ug/l   | 75       |
| 93) 1,2,4-Trichlorobenzene    | 15.370 | 180  | 4946     | 1.091  | ug/l   | 90       |
| 94) Hexachlorobutadiene       | 15.476 | 225  | 1928     | 1.142  | ug/l   | 96       |
| 95) Naphthalene               | 15.617 | 128  | 16137    | 1.039  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.823 | 180  | 5137     | 1.182  | ug/l   | 83       |

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

## Manual Integrations

Quant Time: Oct 24 02:50:39 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N102325W.M  
Quant Title : SW846 8260  
QLast Update : Fri Oct 24 02:50:29 2025  
Response via : Initial Calibration

