

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN112425\  
 Data File : VN088344.D  
 Acq On : 24 Nov 2025 12:38  
 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

Quant Time: Nov 25 01:09:22 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N112425W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Nov 25 01:08:44 2025  
 Response via : Initial Calibration

11/25/2025  
 Supervised By :Mahesh  
 Dadoda

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.206  | 168  | 286338   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.082  | 114  | 535294   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.841 | 117  | 458943   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.770 | 152  | 203454   | 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  | 4116   | 1.176 | ug/l   | 88     |
| 3) Chloromethane             | 2.383 | 50  | 5215   | 1.282 | ug/l   | 92     |
| 4) Vinyl Chloride            | 2.536 | 62  | 4602   | 1.055 | ug/l   | 98     |
| 6) Chloroethane              | 3.148 | 64  | 3181   | 1.036 | ug/l # | 78     |
| 7) Trichlorofluoromethane    | 3.512 | 101 | 7064   | 1.049 | ug/l # | 82     |
| 8) Diethyl Ether             | 3.953 | 74  | 2832   | 1.101 | ug/l   | 94     |
| 9) 1,1,2-Trichlorotrifluo... | 4.359 | 101 | 3781   | 1.083 | ug/l   | 91     |
| 12) 1,1-Dichloroethene       | 4.336 | 96  | 4136m  | 1.118 | ug/l   |        |
| 14) Allyl chloride           | 5.012 | 41  | 6342   | 0.957 | ug/l   | 95     |
| 15) Acrylonitrile            | 5.712 | 53  | 12465  | 5.068 | ug/l   | 98     |
| 16) Acetone                  | 4.424 | 43  | 11802  | 4.716 | ug/l   | 98     |
| 17) Carbon Disulfide         | 4.694 | 76  | 11805  | 1.034 | ug/l # | 85     |
| 18) Methyl Acetate           | 5.006 | 43  | 6138   | 1.129 | ug/l   | 95     |
| 19) Methyl tert-butyl Ether  | 5.783 | 73  | 12174  | 0.876 | ug/l   | 96     |
| 20) Methylene Chloride       | 5.265 | 84  | 4566   | 1.042 | ug/l # | 70     |
| 21) trans-1,2-Dichloroethene | 5.783 | 96  | 4308   | 1.053 | ug/l # | 94     |
| 22) Diisopropyl ether        | 6.665 | 45  | 12982m | 0.932 | ug/l   |        |
| 23) Vinyl Acetate            | 6.594 | 43  | 48988  | 3.972 | ug/l   | 96     |
| 24) 1,1-Dichloroethane       | 6.547 | 63  | 7954   | 1.029 | ug/l # | 95     |
| 25) 2-Butanone               | 7.471 | 43  | 14574  | 4.283 | ug/l # | 82     |
| 26) 2,2-Dichloropropane      | 7.465 | 77  | 7127   | 1.026 | ug/l # | 77     |
| 27) cis-1,2-Dichloroethene   | 7.465 | 96  | 4562m  | 0.962 | ug/l   |        |
| 28) Bromochloromethane       | 7.788 | 49  | 4148   | 1.149 | ug/l # | 92     |
| 29) Tetrahydrofuran          | 7.835 | 42  | 10143  | 4.482 | ug/l   | 96     |
| 30) Chloroform               | 7.947 | 83  | 7885   | 1.027 | ug/l   | 97     |
| 32) 1,1,1-Trichloroethane    | 8.153 | 97  | 7143   | 1.055 | ug/l # | 46     |
| 36) 1,1-Dichloropropene      | 8.341 | 75  | 6499   | 1.203 | ug/l # | 80     |
| 37) Ethyl Acetate            | 7.553 | 43  | 7870   | 1.095 | ug/l # | 94     |
| 38) Carbon Tetrachloride     | 8.347 | 117 | 6045   | 1.085 | ug/l   | 84     |
| 39) Methylcyclohexane        | 9.582 | 83  | 5715   | 0.846 | ug/l   | 87     |
| 40) Benzene                  | 8.582 | 78  | 17750  | 1.069 | ug/l # | 88     |
| 41) Methacrylonitrile        | 7.759 | 41  | 3857   | 1.037 | ug/l # | 83     |
| 42) 1,2-Dichloroethane       | 8.659 | 62  | 6237   | 1.039 | ug/l   | 99     |
| 43) Isopropyl Acetate        | 8.677 | 43  | 11759  | 1.073 | ug/l # | 94     |
| 44) Trichloroethene          | 9.335 | 130 | 4088   | 1.057 | ug/l   | 73     |
| 45) 1,2-Dichloropropane      | 9.600 | 63  | 4559   | 1.082 | ug/l # | 78     |

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 Acq On : 24 Nov 2025 12:38  
 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

11/25/2025  
 Supervised By :Mahesh  
 Dadoda

Quant Time: Nov 25 01:09:22 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N112425W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Nov 25 01:08:44 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 46) Dibromomethane            | 9.694  | 93   | 3080     | 1.022  | ug/l   | 88       |
| 47) Bromodichloromethane      | 9.865  | 83   | 6445     | 1.068  | ug/l # | 89       |
| 48) Methyl methacrylate       | 9.665  | 41   | 5144     | 1.017  | ug/l # | 86       |
| 49) 1,4-Dioxane               | 9.688  | 88   | 1133     | 17.773 | ug/l # | 72       |
| 51) 4-Methyl-2-Pentanone      | 10.429 | 43   | 28924    | 4.454  | ug/l   | 97       |
| 52) Toluene                   | 10.612 | 92   | 8872     | 0.875  | ug/l   | 97       |
| 53) t-1,3-Dichloropropene     | 10.812 | 75   | 6068     | 0.947  | ug/l   | 89       |
| 54) cis-1,3-Dichloropropene   | 10.294 | 75   | 6312     | 0.928  | ug/l   | 94       |
| 55) 1,1,2-Trichloroethane     | 11.000 | 97   | 3748     | 0.969  | ug/l # | 72       |
| 56) Ethyl methacrylate        | 10.859 | 69   | 4463     | 0.723  | ug/l # | 72       |
| 57) 1,3-Dichloropropane       | 11.147 | 76   | 6496     | 0.952  | ug/l   | 95       |
| 58) 2-Chloroethyl Vinyl ether | 10.141 | 63   | 13790    | 4.190  | ug/l   | 92       |
| 59) 2-Hexanone                | 11.188 | 43   | 19197m   | 4.495  | ug/l   |          |
| 60) Dibromochloromethane      | 11.335 | 129  | 4116     | 0.936  | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 11.447 | 107  | 3251     | 0.814  | ug/l   | 96       |
| 64) Tetrachloroethene         | 11.076 | 164  | 3914     | 1.220  | ug/l # | 86       |
| 65) Chlorobenzene             | 11.871 | 112  | 10226    | 0.958  | ug/l # | 84       |
| 66) 1,1,1,2-Tetrachloroethane | 11.941 | 131  | 3473     | 0.985  | ug/l # | 57       |
| 67) Ethyl Benzene             | 11.941 | 91   | 17267    | 0.922  | ug/l   | 92       |
| 68) m/p-Xylenes               | 12.047 | 106  | 12077    | 1.724  | ug/l   | 99       |
| 69) o-Xylene                  | 12.382 | 106  | 6153     | 0.927  | ug/l   | 91       |
| 70) Styrene                   | 12.394 | 104  | 8118     | 0.747  | ug/l   | 100      |
| 71) Bromoform                 | 12.559 | 173  | 2054     | 0.782  | ug/l # | 82       |
| 73) Isopropylbenzene          | 12.676 | 105  | 13585    | 0.849  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 12.918 | 83   | 5605     | 1.121  | ug/l # | 83       |
| 76) 1,2,3-Trichloropropane    | 12.982 | 75   | 4214m    | 0.871  | ug/l   |          |
| 77) Bromobenzene              | 12.965 | 156  | 3176     | 0.907  | ug/l   | 100      |
| 78) n-propylbenzene           | 13.017 | 91   | 16584    | 0.851  | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 13.106 | 91   | 11013    | 0.981  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 13.153 | 105  | 10783    | 0.811  | ug/l   | 96       |
| 82) 4-Chlorotoluene           | 13.212 | 91   | 8516     | 0.700  | ug/l   | 84       |
| 83) tert-Butylbenzene         | 13.417 | 119  | 10210    | 0.869  | ug/l   | 95       |
| 84) 1,2,4-Trimethylbenzene    | 13.465 | 105  | 10464    | 0.786  | ug/l   | 89       |
| 85) sec-Butylbenzene          | 13.594 | 105  | 14068    | 0.819  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.706 | 119  | 11043    | 0.798  | ug/l   | 97       |
| 87) 1,3-Dichlorobenzene       | 13.712 | 146  | 7040     | 1.019  | ug/l   | 95       |
| 88) 1,4-Dichlorobenzene       | 13.782 | 146  | 7109m    | 0.955  | ug/l   |          |
| 89) n-Butylbenzene            | 14.035 | 91   | 11505    | 0.845  | ug/l   | 93       |
| 90) Hexachloroethane          | 14.312 | 117  | 2233     | 0.841  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene       | 14.082 | 146  | 6178     | 0.927  | ug/l   | 97       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.694 | 75   | 1155     | 0.973  | ug/l   | 93       |
| 93) 1,2,4-Trichlorobenzene    | 15.376 | 180  | 4059     | 1.011  | ug/l   | 91       |
| 94) Hexachlorobutadiene       | 15.476 | 225  | 1474     | 1.002  | ug/l   | 93       |
| 95) Naphthalene               | 15.623 | 128  | 11988    | 0.863  | ug/l # | 93       |
| 96) 1,2,3-Trichlorobenzene    | 15.823 | 180  | 3833     | 0.989  | ug/l   | 100      |

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

