

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN091625\  
 Data File : VN087851.D  
 Acq On : 16 Sep 2025 15:46  
 Operator : JC\MD  
 Sample : VN0916WBSD01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0916WBSD01

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 09/17/2025  
 Supervised By : Mahesh Dadoda 09/18/2025

Quant Time: Sep 17 01:21:59 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N082125W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 22 02:55:42 2025  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|---------|--------|----------|
| -----                        |                |      |            |         |        |          |
| Internal Standards           |                |      |            |         |        |          |
| 1) Pentafluorobenzene        | 8.206          | 168  | 229272     | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 9.083          | 114  | 433869     | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.847         | 117  | 392898     | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.771         | 152  | 209579     | 50.000  | ug/l   | 0.00     |
|                              |                |      |            |         |        |          |
| System Monitoring Compounds  |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.559          | 65   | 204194     | 43.468  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 74 - 125 |      | Recovery = | 86.940% |        |          |
| 35) Dibromofluoromethane     | 8.147          | 113  | 152219     | 48.593  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = | 97.180% |        |          |
| 50) Toluene-d8               | 10.547         | 98   | 534604     | 45.597  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 86 - 113 |      | Recovery = | 91.200% |        |          |
| 62) 4-Bromofluorobenzene     | 12.829         | 95   | 193287     | 46.356  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 77 - 121 |      | Recovery = | 92.720% |        |          |
|                              |                |      |            |         |        |          |
| Target Compounds             |                |      |            |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 2.142          | 85   | 61714      | 18.952  | ug/l   | 99       |
| 3) Chloromethane             | 2.383          | 50   | 61485      | 18.373  | ug/l   | 96       |
| 4) Vinyl Chloride            | 2.536          | 62   | 71328      | 18.383  | ug/l   | 90       |
| 5) Bromomethane              | 2.983          | 94   | 39000      | 19.480  | ug/l   | 87       |
| 6) Chloroethane              | 3.136          | 64   | 46084      | 16.899  | ug/l   | 94       |
| 7) Trichlorofluoromethane    | 3.512          | 101  | 111716     | 19.652  | ug/l   | 96       |
| 8) Diethyl Ether             | 3.959          | 74   | 40444      | 16.336  | ug/l   | 100      |
| 9) 1,1,2-Trichlorotrifluo... | 4.365          | 101  | 59552      | 18.514  | ug/l   | 97       |
| 10) Methyl Iodide            | 4.577          | 142  | 35235      | 19.471  | ug/l   | 97       |
| 11) Tert butyl alcohol       | 5.524          | 59   | 75759      | 92.898  | ug/l   | 95       |
| 12) 1,1-Dichloroethene       | 4.330          | 96   | 58163      | 17.596  | ug/l   | 90       |
| 13) Acrolein                 | 4.177          | 56   | 74339      | 74.149  | ug/l   | 100      |
| 14) Allyl chloride           | 5.012          | 41   | 90094      | 15.040  | ug/l   | 93       |
| 15) Acrylonitrile            | 5.706          | 53   | 204541     | 88.934  | ug/l   | 97       |
| 16) Acetone                  | 4.424          | 43   | 183819     | 71.883  | ug/l   | 96       |
| 17) Carbon Disulfide         | 4.706          | 76   | 170001     | 18.681  | ug/l   | 100      |
| 18) Methyl Acetate           | 5.018          | 43   | 99443      | 18.573  | ug/l   | 98       |
| 19) Methyl tert-butyl Ether  | 5.789          | 73   | 210306     | 16.960  | ug/l   | 98       |
| 20) Methylene Chloride       | 5.265          | 84   | 70838      | 18.366  | ug/l   | 94       |
| 21) trans-1,2-Dichloroethene | 5.777          | 96   | 63180      | 17.636  | ug/l   | 90       |
| 22) Diisopropyl ether        | 6.659          | 45   | 220735     | 17.076  | ug/l   | 95       |
| 23) Vinyl Acetate            | 6.589          | 43   | 882321     | 75.024  | ug/l   | 99       |
| 24) 1,1-Dichloroethane       | 6.553          | 63   | 123788     | 17.466  | ug/l   | 97       |
| 25) 2-Butanone               | 7.471          | 43   | 283126     | 84.156  | ug/l   | 100      |
| 26) 2,2-Dichloropropane      | 7.471          | 77   | 101171     | 16.632  | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene   | 7.471          | 96   | 77871      | 18.182  | ug/l   | 98       |
| 28) Bromochloromethane       | 7.794          | 49   | 59450      | 17.350  | ug/l   | 90       |
| 29) Tetrahydrofuran          | 7.824          | 42   | 179559     | 82.933  | ug/l   | 97       |
| 30) Chloroform               | 7.947          | 83   | 129921     | 17.959  | ug/l   | 98       |
| 31) Cyclohexane              | 8.236          | 56   | 107126     | 18.131  | ug/l   | 100      |
| 32) 1,1,1-Trichloroethane    | 8.153          | 97   | 110851     | 18.081  | ug/l   | 98       |
| 36) 1,1-Dichloropropene      | 8.353          | 75   | 86206      | 17.938  | ug/l   | 98       |
| 37) Ethyl Acetate            | 7.542          | 43   | 108447     | 16.514  | ug/l # | 94       |
| 38) Carbon Tetrachloride     | 8.341          | 117  | 93570      | 19.721  | ug/l   | 91       |
| 39) Methylcyclohexane        | 9.583          | 83   | 97980      | 18.519  | ug/l   | 96       |
| 40) Benzene                  | 8.588          | 78   | 278225     | 18.876  | ug/l   | 96       |

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 Sample : VN0916WBSD01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0916WBSD01

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 09/17/2025  
 Supervised By : Mahesh Dadoda 09/18/2025

Quant Time: Sep 17 01:21:59 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N082125W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 22 02:55:42 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.765  | 41   | 59964    | 17.628  | ug/l   | 98       |
| 42) 1,2-Dichloroethane        | 8.653  | 62   | 101742   | 17.962  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.677  | 43   | 179617   | 17.519  | ug/l   | 97       |
| 44) Trichloroethene           | 9.335  | 130  | 66656    | 19.807  | ug/l   | 97       |
| 45) 1,2-Dichloropropane       | 9.606  | 63   | 71366    | 18.369  | ug/l   | 97       |
| 46) Dibromomethane            | 9.688  | 93   | 53658    | 19.408  | ug/l   | 96       |
| 47) Bromodichloromethane      | 9.871  | 83   | 108569   | 19.160  | ug/l # | 94       |
| 48) Methyl methacrylate       | 9.665  | 41   | 82168    | 16.943  | ug/l   | 98       |
| 49) 1,4-Dioxane               | 9.677  | 88   | 21945    | 349.128 | ug/l # | 95       |
| 51) 4-Methyl-2-Pentanone      | 10.424 | 43   | 569808   | 92.115  | ug/l   | 100      |
| 52) Toluene                   | 10.612 | 92   | 170728   | 18.684  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 10.818 | 75   | 107103   | 18.261  | ug/l   | 95       |
| 54) cis-1,3-Dichloropropene   | 10.294 | 75   | 108830   | 17.870  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane     | 11.000 | 97   | 71066    | 20.104  | ug/l   | 92       |
| 56) Ethyl methacrylate        | 10.859 | 69   | 100359   | 17.765  | ug/l   | 98       |
| 57) 1,3-Dichloropropane       | 11.141 | 76   | 119059   | 19.031  | ug/l   | 97       |
| 58) 2-Chloroethyl Vinyl ether | 10.141 | 63   | 263312   | 86.115  | ug/l   | 96       |
| 59) 2-Hexanone                | 11.177 | 43   | 349848   | 89.488  | ug/l   | 99       |
| 60) Dibromochloromethane      | 11.335 | 129  | 78365    | 19.133  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.447 | 107  | 69424    | 18.625  | ug/l   | 96       |
| 64) Tetrachloroethene         | 11.082 | 164  | 53603    | 19.664  | ug/l   | 93       |
| 65) Chlorobenzene             | 11.871 | 112  | 185603   | 18.988  | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane | 11.935 | 131  | 65603    | 20.216  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.941 | 91   | 316873   | 18.723  | ug/l   | 98       |
| 68) m/p-Xylenes               | 12.047 | 106  | 243049   | 39.158  | ug/l   | 96       |
| 69) o-Xylene                  | 12.376 | 106  | 118378   | 19.462  | ug/l   | 96       |
| 70) Styrene                   | 12.388 | 104  | 193858   | 19.023  | ug/l   | 97       |
| 71) Bromoform                 | 12.553 | 173  | 52426    | 21.065  | ug/l # | 98       |
| 73) Isopropylbenzene          | 12.671 | 105  | 294667   | 17.400  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.665 | 43   | 121778m  | 18.975  | ug/l   |          |
| 75) 1,1,2,2-Tetrachloroethane | 12.918 | 83   | 107892   | 18.504  | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane    | 12.971 | 75   | 86475m   | 17.595  | ug/l   |          |
| 77) Bromobenzene              | 12.959 | 156  | 75614    | 18.936  | ug/l   | 93       |
| 78) n-propylbenzene           | 13.012 | 91   | 377345   | 18.089  | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 13.106 | 91   | 218388   | 17.397  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 13.153 | 105  | 255538   | 17.787  | ug/l   | 97       |
| 81) trans-1,4-Dichloro-2-b... | 12.718 | 75   | 29446    | 15.861  | ug/l   | 89       |
| 82) 4-Chlorotoluene           | 13.200 | 91   | 227013   | 17.200  | ug/l   | 97       |
| 83) tert-Butylbenzene         | 13.412 | 119  | 221104   | 18.468  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene    | 13.459 | 105  | 259126   | 18.018  | ug/l   | 100      |
| 85) sec-Butylbenzene          | 13.594 | 105  | 326968   | 18.404  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.706 | 119  | 276556   | 18.851  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 13.712 | 146  | 147792   | 18.795  | ug/l   | 96       |
| 88) 1,4-Dichlorobenzene       | 13.788 | 146  | 148845   | 18.189  | ug/l   | 98       |
| 89) n-Butylbenzene            | 14.035 | 91   | 257806   | 17.694  | ug/l   | 99       |
| 90) Hexachloroethane          | 14.306 | 117  | 53872    | 19.275  | ug/l   | 88       |
| 91) 1,2-Dichlorobenzene       | 14.082 | 146  | 143628   | 19.253  | ug/l   | 97       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.694 | 75   | 23465    | 16.941  | ug/l   | 91       |
| 93) 1,2,4-Trichlorobenzene    | 15.365 | 180  | 85112    | 18.999  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.470 | 225  | 33396    | 20.911  | ug/l   | 97       |
| 95) Naphthalene               | 15.617 | 128  | 273883   | 17.261  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.812 | 180  | 81446    | 18.597  | ug/l   | 98       |

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Sample : VN0916WBSD01  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0916WBSD01

Manual Integrations  
APPROVED

Reviewed By :John Carlone 09/17/2025  
Supervised By :Mahesh Dadoda 09/18/2025

Quant Time: Sep 17 01:21:59 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N082125W.M  
Quant Title : SW846 8260  
QLast Update : Fri Aug 22 02:55:42 2025  
Response via : Initial Calibration

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

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

