

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN120125\  
 Data File : VN088374.D  
 Acq On : 01 Dec 2025 12:10  
 Operator : JC\MD  
 Sample : VN1201WBSD01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1201WBSD01

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 12/02/2025  
 Supervised By : Mahesh Dadoda 12/02/2025

Quant Time: Dec 02 00:11:04 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N112425W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Nov 25 01:34:52 2025  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 8.206          | 168  | 257123              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 9.082          | 114  | 472668              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.841         | 117  | 413438              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.770         | 152  | 196888              | 50.000  | ug/l   | 0.00     |
|                              |                |      |                     |         |        |          |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.559          | 65   | 252803              | 52.192  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 74 - 125 |      | Recovery = 104.380% |         |        |          |
| 35) Dibromofluoromethane     | 8.147          | 113  | 171251              | 52.281  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = 104.560% |         |        |          |
| 50) Toluene-d8               | 10.541         | 98   | 648629              | 53.220  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 86 - 113 |      | Recovery = 106.440% |         |        |          |
| 62) 4-Bromofluorobenzene     | 12.829         | 95   | 213607              | 51.080  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 77 - 121 |      | Recovery = 102.160% |         |        |          |
|                              |                |      |                     |         |        |          |
| Target Compounds             |                |      |                     |         |        | Qvalue   |
| 2) Dichlorodifluoromethane   | 2.142          | 85   | 72877               | 18.870  | ug/l   | 98       |
| 3) Chloromethane             | 2.383          | 50   | 80587               | 19.429  | ug/l   | 94       |
| 4) Vinyl Chloride            | 2.536          | 62   | 79060               | 18.736  | ug/l   | 99       |
| 5) Bromomethane              | 2.989          | 94   | 40980               | 20.178  | ug/l   | 99       |
| 6) Chloroethane              | 3.148          | 64   | 50269               | 19.250  | ug/l   | 90       |
| 7) Trichlorofluoromethane    | 3.512          | 101  | 110683              | 18.663  | ug/l   | 99       |
| 8) Diethyl Ether             | 3.965          | 74   | 42809               | 19.231  | ug/l   | 98       |
| 9) 1,1,2-Trichlorotrifluo... | 4.377          | 101  | 58334               | 18.476  | ug/l   | 98       |
| 10) Methyl Iodide            | 4.583          | 142  | 60569               | 19.379  | ug/l   | 96       |
| 11) Tert butyl alcohol       | 5.512          | 59   | 68039               | 87.983  | ug/l # | 81       |
| 12) 1,1-Dichloroethene       | 4.347          | 96   | 58831               | 18.754  | ug/l   | 84       |
| 13) Acrolein                 | 4.177          | 56   | 87619               | 118.346 | ug/l   | 97       |
| 14) Allyl chloride           | 5.012          | 41   | 104505              | 17.974  | ug/l   | 98       |
| 15) Acrylonitrile            | 5.706          | 53   | 213646              | 95.755  | ug/l   | 98       |
| 16) Acetone                  | 4.418          | 43   | 152332              | 86.961  | ug/l   | 98       |
| 17) Carbon Disulfide         | 4.706          | 76   | 192813              | 18.810  | ug/l   | 100      |
| 18) Methyl Acetate           | 5.018          | 43   | 99171               | 19.019  | ug/l   | 99       |
| 19) Methyl tert-butyl Ether  | 5.783          | 73   | 228498              | 19.442  | ug/l   | 95       |
| 20) Methylene Chloride       | 5.259          | 84   | 75693               | 20.196  | ug/l   | 83       |
| 21) trans-1,2-Dichloroethene | 5.771          | 96   | 68139               | 19.608  | ug/l   | 92       |
| 22) Diisopropyl ether        | 6.653          | 45   | 244953              | 19.733  | ug/l   | 96       |
| 23) Vinyl Acetate            | 6.588          | 43   | 972820m             | 97.271  | ug/l   |          |
| 24) 1,1-Dichloroethane       | 6.553          | 63   | 134006              | 19.063  | ug/l   | 95       |
| 25) 2-Butanone               | 7.465          | 43   | 270811              | 96.165  | ug/l   | 97       |
| 26) 2,2-Dichloropropane      | 7.477          | 77   | 112288              | 18.506  | ug/l   | 95       |
| 27) cis-1,2-Dichloroethene   | 7.465          | 96   | 78314               | 19.392  | ug/l   | 96       |
| 28) Bromochloromethane       | 7.794          | 49   | 64631               | 18.456  | ug/l   | 99       |
| 29) Tetrahydrofuran          | 7.824          | 42   | 193749              | 95.919  | ug/l   | 99       |
| 30) Chloroform               | 7.947          | 83   | 135282              | 19.585  | ug/l   | 96       |
| 31) Cyclohexane              | 8.235          | 56   | 117687              | 18.475  | ug/l   | 98       |
| 32) 1,1,1-Trichloroethane    | 8.147          | 97   | 115347              | 18.992  | ug/l   | 95       |
| 36) 1,1-Dichloropropene      | 8.353          | 75   | 89956               | 17.794  | ug/l   | 98       |
| 37) Ethyl Acetate            | 7.547          | 43   | 123427              | 18.569  | ug/l   | 98       |
| 38) Carbon Tetrachloride     | 8.347          | 117  | 94617               | 18.801  | ug/l   | 96       |
| 39) Methylcyclohexane        | 9.576          | 83   | 99985               | 18.491  | ug/l   | 93       |
| 40) Benzene                  | 8.588          | 78   | 284116              | 19.149  | ug/l   | 98       |

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

Instrument :  
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 ClientSampleId :  
 VN1201WBSD01

Manual Integrations  
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Quant Time: Dec 02 00:11:04 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N112425W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Nov 25 01:34:52 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.765  | 41   | 63105    | 19.168  | ug/l   | 98       |
| 42) 1,2-Dichloroethane        | 8.647  | 62   | 109703   | 19.380  | ug/l   | 98       |
| 43) Isopropyl Acetate         | 8.671  | 43   | 192472   | 18.952  | ug/l   | 99       |
| 44) Trichloroethene           | 9.329  | 130  | 66801    | 19.054  | ug/l   | 90       |
| 45) 1,2-Dichloropropane       | 9.600  | 63   | 72843    | 19.162  | ug/l   | 100      |
| 46) Dibromomethane            | 9.688  | 93   | 54401    | 20.053  | ug/l   | 98       |
| 47) Bromodichloromethane      | 9.865  | 83   | 106876   | 19.308  | ug/l # | 93       |
| 48) Methyl methacrylate       | 9.659  | 41   | 84615    | 18.260  | ug/l   | 99       |
| 49) 1,4-Dioxane               | 9.676  | 88   | 22017    | 373.614 | ug/l # | 99       |
| 51) 4-Methyl-2-Pentanone      | 10.424 | 43   | 589357   | 98.453  | ug/l   | 99       |
| 52) Toluene                   | 10.606 | 92   | 170024   | 19.846  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 10.818 | 75   | 108520   | 19.099  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 10.288 | 75   | 116758   | 19.541  | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane     | 10.994 | 97   | 66233    | 19.982  | ug/l   | 95       |
| 56) Ethyl methacrylate        | 10.853 | 69   | 104863   | 20.028  | ug/l   | 97       |
| 57) 1,3-Dichloropropane       | 11.141 | 76   | 120668   | 20.179  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 10.141 | 63   | 276569   | 91.622  | ug/l   | 99       |
| 59) 2-Hexanone                | 11.176 | 43   | 355826   | 94.358  | ug/l   | 98       |
| 60) Dibromochloromethane      | 11.335 | 129  | 76699    | 20.298  | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 11.447 | 107  | 66826    | 19.909  | ug/l   | 97       |
| 64) Tetrachloroethene         | 11.076 | 164  | 62208    | 18.980  | ug/l   | 95       |
| 65) Chlorobenzene             | 11.870 | 112  | 183680   | 19.779  | ug/l   | 96       |
| 66) 1,1,1,2-Tetrachloroethane | 11.941 | 131  | 61851    | 19.747  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.941 | 91   | 306102   | 18.859  | ug/l   | 97       |
| 68) m/p-Xylenes               | 12.053 | 106  | 227659   | 37.830  | ug/l   | 99       |
| 69) o-Xylene                  | 12.376 | 106  | 109896   | 19.155  | ug/l   | 95       |
| 70) Styrene                   | 12.388 | 104  | 181083   | 19.438  | ug/l   | 99       |
| 71) Bromoform                 | 12.559 | 173  | 46125    | 20.106  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.670 | 105  | 280946   | 19.299  | ug/l   | 100      |
| 74) N-amyl acetate            | 12.682 | 43   | 97186m   | 19.603  | ug/l   |          |
| 75) 1,1,2,2-Tetrachloroethane | 12.917 | 83   | 91931    | 19.534  | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane    | 12.970 | 75   | 93113m   | 20.192  | ug/l   |          |
| 77) Bromobenzene              | 12.959 | 156  | 65049    | 19.529  | ug/l   | 96       |
| 78) n-propylbenzene           | 13.012 | 91   | 348515   | 19.569  | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 13.100 | 91   | 204279   | 18.783  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 13.153 | 105  | 234071   | 19.404  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.717 | 75   | 28199    | 17.348  | ug/l # | 96       |
| 82) 4-Chlorotoluene           | 13.200 | 91   | 211139   | 19.546  | ug/l   | 97       |
| 83) tert-Butylbenzene         | 13.412 | 119  | 192736   | 18.795  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.459 | 105  | 235984   | 19.682  | ug/l   | 100      |
| 85) sec-Butylbenzene          | 13.594 | 105  | 283289   | 19.230  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.706 | 119  | 228290   | 18.898  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 13.712 | 146  | 126657   | 19.534  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 13.788 | 146  | 129333   | 19.042  | ug/l   | 98       |
| 89) n-Butylbenzene            | 14.029 | 91   | 219415   | 18.707  | ug/l   | 99       |
| 90) Hexachloroethane          | 14.306 | 117  | 41810    | 18.946  | ug/l   | 96       |
| 91) 1,2-Dichlorobenzene       | 14.082 | 146  | 115702   | 18.962  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.700 | 75   | 21103    | 18.481  | ug/l   | 98       |
| 93) 1,2,4-Trichlorobenzene    | 15.370 | 180  | 65316    | 18.016  | ug/l   | 95       |
| 94) Hexachlorobutadiene       | 15.470 | 225  | 24556    | 18.849  | ug/l   | 94       |
| 95) Naphthalene               | 15.611 | 128  | 231154   | 18.400  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.811 | 180  | 67438    | 19.114  | ug/l   | 98       |

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Sample : VN1201WBSD01  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1201WBSD01

Manual Integrations  
APPROVED

Reviewed By :John Carlone 12/02/2025  
Supervised By :Mahesh Dadoda 12/02/2025

Quant Time: Dec 02 00:11:04 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N112425W.M  
Quant Title : SW846 8260  
QLast Update : Tue Nov 25 01:34:52 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

