

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN110725\  
 Data File : VN088226.D  
 Acq On : 07 Nov 2025 12:08  
 Operator : JC\MD  
 Sample : VN1107WBSD01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1107WBSD01

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 11/10/2025  
 Supervised By : Mahesh Dadoda 11/10/2025

Quant Time: Nov 08 01:54:48 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N102325W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Nov 03 01:16:06 2025  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 8.206          | 168  | 330116              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 9.083          | 114  | 604380              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.841         | 117  | 527463              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.770         | 152  | 261397              | 50.000  | ug/l   | 0.00     |
|                              |                |      |                     |         |        |          |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.559          | 65   | 297452              | 52.108  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 74 - 125 |      | Recovery = 104.220% |         |        |          |
| 35) Dibromofluoromethane     | 8.147          | 113  | 204288              | 50.314  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = 100.620% |         |        |          |
| 50) Toluene-d8               | 10.541         | 98   | 756645              | 48.364  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 86 - 113 |      | Recovery = 96.720%  |         |        |          |
| 62) 4-Bromofluorobenzene     | 12.823         | 95   | 273114              | 49.431  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 77 - 121 |      | Recovery = 98.860%  |         |        |          |
|                              |                |      |                     |         |        |          |
| Target Compounds             |                |      |                     |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 2.142          | 85   | 67338               | 18.084  | ug/l   | 96       |
| 3) Chloromethane             | 2.383          | 50   | 81968               | 18.711  | ug/l   | 97       |
| 4) Vinyl Chloride            | 2.536          | 62   | 86971               | 18.221  | ug/l   | 98       |
| 5) Bromomethane              | 2.977          | 94   | 50413               | 17.658  | ug/l   | 88       |
| 6) Chloroethane              | 3.136          | 64   | 57986               | 16.861  | ug/l   | 97       |
| 7) Trichlorofluoromethane    | 3.512          | 101  | 131621              | 17.289  | ug/l   | 100      |
| 8) Diethyl Ether             | 3.959          | 74   | 53728               | 18.989  | ug/l   | 92       |
| 9) 1,1,2-Trichlorotrifluo... | 4.371          | 101  | 73098               | 18.607  | ug/l   | 97       |
| 10) Methyl Iodide            | 4.583          | 142  | 72937               | 20.316  | ug/l   | 96       |
| 11) Tert butyl alcohol       | 5.524          | 59   | 111694              | 113.576 | ug/l # | 84       |
| 12) 1,1-Dichloroethene       | 4.336          | 96   | 72588               | 17.494  | ug/l   | 99       |
| 13) Acrolein                 | 4.177          | 56   | 83836               | 75.788  | ug/l   | 98       |
| 14) Allyl chloride           | 5.018          | 41   | 142523              | 19.597  | ug/l   | 99       |
| 15) Acrylonitrile            | 5.706          | 53   | 298503              | 111.431 | ug/l   | 99       |
| 16) Acetone                  | 4.424          | 43   | 302683              | 105.545 | ug/l   | 99       |
| 17) Carbon Disulfide         | 4.700          | 76   | 221638              | 17.572  | ug/l   | 100      |
| 18) Methyl Acetate           | 5.018          | 43   | 135002              | 22.994  | ug/l   | 98       |
| 19) Methyl tert-butyl Ether  | 5.789          | 73   | 316715              | 20.785  | ug/l   | 97       |
| 20) Methylene Chloride       | 5.265          | 84   | 91045               | 18.912  | ug/l   | 95       |
| 21) trans-1,2-Dichloroethene | 5.771          | 96   | 84005               | 18.445  | ug/l   | 97       |
| 22) Diisopropyl ether        | 6.659          | 45   | 321000              | 20.988  | ug/l   | 99       |
| 23) Vinyl Acetate            | 6.589          | 43   | 1472477             | 106.878 | ug/l   | 99       |
| 24) 1,1-Dichloroethane       | 6.553          | 63   | 174716              | 20.622  | ug/l   | 96       |
| 25) 2-Butanone               | 7.471          | 43   | 418926              | 110.846 | ug/l   | 100      |
| 26) 2,2-Dichloropropane      | 7.471          | 77   | 148306              | 19.263  | ug/l   | 98       |
| 27) cis-1,2-Dichloroethene   | 7.471          | 96   | 105112              | 20.048  | ug/l   | 98       |
| 28) Bromochloromethane       | 7.794          | 49   | 81475               | 20.353  | ug/l   | 99       |
| 29) Tetrahydrofuran          | 7.824          | 42   | 269042              | 109.233 | ug/l   | 98       |
| 30) Chloroform               | 7.947          | 83   | 175462              | 20.731  | ug/l   | 99       |
| 31) Cyclohexane              | 8.241          | 56   | 153384              | 19.196  | ug/l   | 97       |
| 32) 1,1,1-Trichloroethane    | 8.147          | 97   | 148413              | 19.688  | ug/l   | 94       |
| 36) 1,1-Dichloropropene      | 8.353          | 75   | 119068              | 20.084  | ug/l   | 99       |
| 37) Ethyl Acetate            | 7.547          | 43   | 160724              | 21.008  | ug/l   | 98       |
| 38) Carbon Tetrachloride     | 8.341          | 117  | 121762              | 19.886  | ug/l   | 98       |
| 39) Methylcyclohexane        | 9.582          | 83   | 139221              | 18.270  | ug/l   | 98       |
| 40) Benzene                  | 8.588          | 78   | 366021              | 20.273  | ug/l   | 99       |

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 ALS Vial : 6 Sample Multiplier: 1

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 ClientSampleId :  
 VN1107WBSD01

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Quant Time: Nov 08 01:54:48 2025  
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 Quant Title : SW846 8260  
 QLast Update : Mon Nov 03 01:16:06 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.759  | 41   | 84439    | 20.970  | ug/l   | 98       |
| 42) 1,2-Dichloroethane        | 8.653  | 62   | 142064   | 22.145  | ug/l   | 98       |
| 43) Isopropyl Acetate         | 8.671  | 43   | 257899   | 21.938  | ug/l   | 99       |
| 44) Trichloroethene           | 9.335  | 130  | 83765    | 19.849  | ug/l   | 89       |
| 45) 1,2-Dichloropropane       | 9.600  | 63   | 96002    | 21.062  | ug/l   | 97       |
| 46) Dibromomethane            | 9.688  | 93   | 70592    | 21.715  | ug/l   | 99       |
| 47) Bromodichloromethane      | 9.865  | 83   | 137944   | 21.194  | ug/l   | 95       |
| 48) Methyl methacrylate       | 9.665  | 41   | 120636   | 22.227  | ug/l   | 98       |
| 49) 1,4-Dioxane               | 9.677  | 88   | 33685    | 499.007 | ug/l # | 98       |
| 51) 4-Methyl-2-Pentanone      | 10.424 | 43   | 798222   | 114.775 | ug/l   | 100      |
| 52) Toluene                   | 10.606 | 92   | 221689   | 19.915  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 10.812 | 75   | 145501   | 21.004  | ug/l   | 96       |
| 54) cis-1,3-Dichloropropene   | 10.288 | 75   | 154798   | 21.059  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane     | 10.994 | 97   | 85899    | 20.340  | ug/l   | 95       |
| 56) Ethyl methacrylate        | 10.853 | 69   | 139487   | 20.871  | ug/l   | 96       |
| 57) 1,3-Dichloropropane       | 11.141 | 76   | 154630   | 20.831  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 10.141 | 63   | 420050   | 120.831 | ug/l   | 99       |
| 59) 2-Hexanone                | 11.177 | 43   | 516555   | 111.964 | ug/l   | 98       |
| 60) Dibromochloromethane      | 11.335 | 129  | 97565    | 20.325  | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 11.447 | 107  | 87508    | 20.134  | ug/l   | 96       |
| 64) Tetrachloroethene         | 11.082 | 164  | 69473    | 19.968  | ug/l   | 94       |
| 65) Chlorobenzene             | 11.871 | 112  | 243504   | 20.331  | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane | 11.935 | 131  | 80026    | 20.394  | ug/l   | 97       |
| 67) Ethyl Benzene             | 11.941 | 91   | 424935   | 20.212  | ug/l   | 95       |
| 68) m/p-Xylenes               | 12.047 | 106  | 314897   | 39.976  | ug/l   | 100      |
| 69) o-Xylene                  | 12.376 | 106  | 152768   | 20.458  | ug/l   | 99       |
| 70) Styrene                   | 12.388 | 104  | 251322   | 20.640  | ug/l   | 98       |
| 71) Bromoform                 | 12.559 | 173  | 63020    | 21.521  | ug/l # | 96       |
| 73) Isopropylbenzene          | 12.671 | 105  | 389957   | 19.342  | ug/l   | 100      |
| 74) N-amyl acetate            | 12.676 | 43   | 102580m  | 17.924  | ug/l   |          |
| 75) 1,1,2,2-Tetrachloroethane | 12.912 | 83   | 138614   | 22.084  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 12.971 | 75   | 114273m  | 19.121  | ug/l   |          |
| 77) Bromobenzene              | 12.959 | 156  | 89902    | 20.679  | ug/l   | 97       |
| 78) n-propylbenzene           | 13.012 | 91   | 485067   | 19.716  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 13.100 | 91   | 294266   | 20.973  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 13.147 | 105  | 342019   | 20.427  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.718 | 75   | 39308    | 18.348  | ug/l   | 88       |
| 82) 4-Chlorotoluene           | 13.200 | 91   | 299595   | 19.736  | ug/l   | 100      |
| 83) tert-Butylbenzene         | 13.412 | 119  | 290583   | 19.428  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.459 | 105  | 344265   | 20.550  | ug/l   | 98       |
| 85) sec-Butylbenzene          | 13.594 | 105  | 419075   | 19.070  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.706 | 119  | 350450   | 19.880  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.712 | 146  | 172794   | 19.910  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.788 | 146  | 181266   | 19.446  | ug/l   | 97       |
| 89) n-Butylbenzene            | 14.035 | 91   | 337662   | 19.337  | ug/l   | 99       |
| 90) Hexachloroethane          | 14.306 | 117  | 66491    | 19.477  | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene       | 14.088 | 146  | 165062   | 19.730  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.694 | 75   | 29991    | 20.529  | ug/l   | 96       |
| 93) 1,2,4-Trichlorobenzene    | 15.364 | 180  | 97969    | 19.336  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.476 | 225  | 38749    | 20.537  | ug/l   | 97       |
| 95) Naphthalene               | 15.617 | 128  | 336807   | 19.405  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.812 | 180  | 92471    | 19.035  | ug/l   | 97       |

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ALS Vial : 6 Sample Multiplier: 1

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Manual Integrations  
APPROVED

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Quant Time: Nov 08 01:54:48 2025  
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Quant Title : SW846 8260  
QLast Update : Mon Nov 03 01:16:06 2025  
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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

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

