

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN061625\  
 Data File : VN087021.D  
 Acq On : 16 Jun 2025 11:39  
 Operator : JC\MD  
 Sample : VN0616WBSD01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0616WBSD01

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 06/17/2025  
 Supervised By : Semsettin Yesilyurt 06/17/2025

Quant Time: Jun 17 07:19:48 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N060625W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jun 07 02:12:50 2025  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|---------|--------|----------|
| -----                        |                |      |            |         |        |          |
| Internal Standards           |                |      |            |         |        |          |
| 1) Pentafluorobenzene        | 8.230          | 168  | 177237     | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 9.106          | 114  | 320394     | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.865         | 117  | 280041     | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.788         | 152  | 141018     | 50.000  | ug/l   | 0.00     |
|                              |                |      |            |         |        |          |
| System Monitoring Compounds  |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.582          | 65   | 110103     | 46.398  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 74 - 125 |      | Recovery = | 92.800% |        |          |
| 35) Dibromofluoromethane     | 8.177          | 113  | 94055      | 49.536  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = | 99.080% |        |          |
| 50) Toluene-d8               | 10.565         | 98   | 346217     | 46.060  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 86 - 113 |      | Recovery = | 92.120% |        |          |
| 62) 4-Bromofluorobenzene     | 12.847         | 95   | 131353     | 47.036  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 77 - 121 |      | Recovery = | 94.080% |        |          |
|                              |                |      |            |         |        |          |
| Target Compounds             |                |      |            |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 2.153          | 85   | 33312      | 18.851  | ug/l   | 99       |
| 3) Chloromethane             | 2.401          | 50   | 34696      | 15.204  | ug/l   | 98       |
| 4) Vinyl Chloride            | 2.553          | 62   | 45026      | 19.128  | ug/l   | 99       |
| 5) Bromomethane              | 3.000          | 94   | 19662      | 14.926  | ug/l   | 93       |
| 6) Chloroethane              | 3.159          | 64   | 29109      | 19.144  | ug/l   | 99       |
| 7) Trichlorofluoromethane    | 3.530          | 101  | 57618      | 18.734  | ug/l   | 99       |
| 8) Diethyl Ether             | 3.989          | 74   | 26022      | 19.419  | ug/l   | 96       |
| 9) 1,1,2-Trichlorotrifluo... | 4.406          | 101  | 35549      | 18.397  | ug/l   | 99       |
| 10) Methyl Iodide            | 4.618          | 142  | 17200      | 6.867   | ug/l # | 98       |
| 11) Tert butyl alcohol       | 5.536          | 59   | 55423      | 86.075  | ug/l   | 98       |
| 12) 1,1-Dichloroethene       | 4.371          | 96   | 38093      | 19.310  | ug/l   | 94       |
| 13) Acrolein                 | 4.206          | 56   | 25235      | 123.814 | ug/l   | 99       |
| 14) Allyl chloride           | 5.047          | 41   | 54880      | 16.775  | ug/l   | 96       |
| 15) Acrylonitrile            | 5.736          | 53   | 137492     | 91.356  | ug/l   | 99       |
| 16) Acetone                  | 4.447          | 43   | 103011     | 81.857  | ug/l   | 100      |
| 17) Carbon Disulfide         | 4.742          | 76   | 111825     | 20.493  | ug/l   | 99       |
| 18) Methyl Acetate           | 5.047          | 43   | 55241      | 15.063  | ug/l   | 97       |
| 19) Methyl tert-butyl Ether  | 5.812          | 73   | 134801     | 18.873  | ug/l   | 99       |
| 20) Methylene Chloride       | 5.300          | 84   | 43384      | 18.414  | ug/l   | 95       |
| 21) trans-1,2-Dichloroethene | 5.812          | 96   | 41034      | 18.696  | ug/l   | 93       |
| 22) Diisopropyl ether        | 6.688          | 45   | 124448     | 18.046  | ug/l   | 97       |
| 23) Vinyl Acetate            | 6.618          | 43   | 550800     | 94.532  | ug/l   | 95       |
| 24) 1,1-Dichloroethane       | 6.583          | 63   | 72447      | 18.255  | ug/l   | 98       |
| 25) 2-Butanone               | 7.494          | 43   | 175270     | 85.684  | ug/l   | 99       |
| 26) 2,2-Dichloropropane      | 7.506          | 77   | 60360      | 19.552  | ug/l   | 97       |
| 27) cis-1,2-Dichloroethene   | 7.500          | 96   | 49517      | 18.865  | ug/l   | 97       |
| 28) Bromochloromethane       | 7.818          | 49   | 34848      | 17.859  | ug/l   | 94       |
| 29) Tetrahydrofuran          | 7.853          | 42   | 114857     | 86.195  | ug/l   | 96       |
| 30) Chloroform               | 7.977          | 83   | 72920      | 18.399  | ug/l   | 98       |
| 31) Cyclohexane              | 8.265          | 56   | 66220      | 17.205  | ug/l   | 95       |
| 32) 1,1,1-Trichloroethane    | 8.177          | 97   | 60753      | 18.023  | ug/l   | 97       |
| 36) 1,1-Dichloropropene      | 8.377          | 75   | 51901      | 18.344  | ug/l   | 99       |
| 37) Ethyl Acetate            | 7.571          | 43   | 63764      | 17.704  | ug/l   | 98       |
| 38) Carbon Tetrachloride     | 8.371          | 117  | 51585      | 18.571  | ug/l   | 95       |
| 39) Methylcyclohexane        | 9.600          | 83   | 63793      | 16.457  | ug/l   | 94       |
| 40) Benzene                  | 8.612          | 78   | 174070     | 18.815  | ug/l   | 99       |

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 Sample : VN0616WBSD01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0616WBSD01

Manual Integrations  
 APPROVED

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Quant Time: Jun 17 07:19:48 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N060625W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jun 07 02:12:50 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.788  | 41   | 33852    | 16.736  | ug/l   | 91       |
| 42) 1,2-Dichloroethane        | 8.677  | 62   | 52718    | 18.786  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.694  | 43   | 102787   | 17.781  | ug/l   | 97       |
| 44) Trichloroethene           | 9.359  | 130  | 41946    | 19.120  | ug/l   | 96       |
| 45) 1,2-Dichloropropane       | 9.624  | 63   | 42690    | 18.966  | ug/l   | 99       |
| 46) Dibromomethane            | 9.712  | 93   | 29554    | 19.768  | ug/l   | 97       |
| 47) Bromodichloromethane      | 9.894  | 83   | 58189    | 18.917  | ug/l   | 96       |
| 48) Methyl methacrylate       | 9.682  | 41   | 45393    | 17.061  | ug/l   | 94       |
| 49) 1,4-Dioxane               | 9.700  | 88   | 18412    | 380.385 | ug/l # | 96       |
| 51) 4-Methyl-2-Pentanone      | 10.447 | 43   | 314904   | 90.488  | ug/l   | 99       |
| 52) Toluene                   | 10.629 | 92   | 105746   | 18.703  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 10.835 | 75   | 66776    | 19.414  | ug/l   | 93       |
| 54) cis-1,3-Dichloropropene   | 10.312 | 75   | 70611    | 19.186  | ug/l   | 96       |
| 55) 1,1,2-Trichloroethane     | 11.018 | 97   | 41570    | 19.108  | ug/l   | 98       |
| 56) Ethyl methacrylate        | 10.882 | 69   | 64647    | 18.656  | ug/l   | 95       |
| 57) 1,3-Dichloropropane       | 11.165 | 76   | 72599    | 19.236  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 10.165 | 63   | 180185   | 87.180  | ug/l   | 99       |
| 59) 2-Hexanone                | 11.206 | 43   | 178349   | 79.562  | ug/l   | 90       |
| 60) Dibromochloromethane      | 11.359 | 129  | 45699    | 20.161  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.471 | 107  | 43604    | 19.554  | ug/l   | 99       |
| 64) Tetrachloroethene         | 11.100 | 164  | 33088    | 18.670  | ug/l   | 94       |
| 65) Chlorobenzene             | 11.894 | 112  | 119130   | 19.288  | ug/l   | 96       |
| 66) 1,1,1,2-Tetrachloroethane | 11.959 | 131  | 37934    | 19.107  | ug/l   | 98       |
| 67) Ethyl Benzene             | 11.965 | 91   | 194748   | 18.306  | ug/l   | 99       |
| 68) m/p-Xylenes               | 12.070 | 106  | 152809   | 37.522  | ug/l   | 98       |
| 69) o-Xylene                  | 12.394 | 106  | 73276    | 18.787  | ug/l   | 97       |
| 70) Styrene                   | 12.412 | 104  | 126291   | 18.922  | ug/l   | 99       |
| 71) Bromoform                 | 12.576 | 173  | 29547    | 20.085  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.694 | 105  | 180811   | 17.600  | ug/l   | 100      |
| 74) N-amyl acetate            | 12.541 | 43   | 72559m   | 20.212  | ug/l   |          |
| 75) 1,1,2,2-Tetrachloroethane | 12.935 | 83   | 66997    | 19.250  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.994 | 75   | 57364m   | 17.113  | ug/l   |          |
| 77) Bromobenzene              | 12.982 | 156  | 45399    | 19.269  | ug/l   | 96       |
| 78) n-propylbenzene           | 13.035 | 91   | 213812   | 17.126  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 13.123 | 91   | 134312   | 17.939  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 13.170 | 105  | 148869   | 17.552  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.735 | 75   | 23971m   | 16.462  | ug/l   |          |
| 82) 4-Chlorotoluene           | 13.217 | 91   | 137837   | 18.194  | ug/l   | 100      |
| 83) tert-Butylbenzene         | 13.435 | 119  | 125214   | 16.127  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 13.482 | 105  | 147988   | 17.400  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.612 | 105  | 181308   | 16.080  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.729 | 119  | 153026   | 16.419  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 13.729 | 146  | 87103    | 18.791  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 13.812 | 146  | 88993    | 18.831  | ug/l   | 99       |
| 89) n-Butylbenzene            | 14.053 | 91   | 139239   | 15.423  | ug/l   | 99       |
| 90) Hexachloroethane          | 14.329 | 117  | 26411    | 16.717  | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene       | 14.106 | 146  | 81623    | 18.328  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropr... | 14.717 | 75   | 14627    | 17.573  | ug/l   | 98       |
| 93) 1,2,4-Trichlorobenzene    | 15.388 | 180  | 47692    | 16.771  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.494 | 225  | 14580    | 13.761  | ug/l   | 99       |
| 95) Naphthalene               | 15.635 | 128  | 184994   | 17.477  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.841 | 180  | 45386    | 16.063  | ug/l   | 99       |

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Sample : VN0616WBSD01  
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ALS Vial : 6 Sample Multiplier: 1

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VN0616WBSD01

Manual Integrations  
APPROVED

Reviewed By :John Carlone 06/17/2025  
Supervised By :Semsettin Yesilyurt 06/17/2025

Quant Time: Jun 17 07:19:48 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N060625W.M  
Quant Title : SW846 8260  
QLast Update : Sat Jun 07 02:12:50 2025  
Response via : Initial Calibration

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

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

