

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN061125\  
 Data File : VN086945.D  
 Acq On : 11 Jun 2025 14:01  
 Operator : JC\MD  
 Sample : VN0611WBSD02  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0611WBSD02

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 06/12/2025  
 Supervised By : Semsettin Yesilyurt 06/12/2025

Quant Time: Jun 12 01:32:16 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        | 8.229          | 168  | 199904              | 50.000 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 9.106          | 114  | 354069              | 50.000 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.865         | 117  | 310598              | 50.000 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.788         | 152  | 151691              | 50.000 | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |                     |        |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.588          | 65   | 128166              | 47.886 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 74 - 125 |      | Recovery = 95.780%  |        |        |          |
| 35) Dibromofluoromethane     | 8.177          | 113  | 109657              | 52.260 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = 104.520% |        |        |          |
| 50) Toluene-d8               | 10.571         | 98   | 411227              | 49.506 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 86 - 113 |      | Recovery = 99.020%  |        |        |          |
| 62) 4-Bromofluorobenzene     | 12.847         | 95   | 154682              | 50.121 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 77 - 121 |      | Recovery = 100.240% |        |        |          |
| Target Compounds             |                |      |                     |        |        |          |
|                              |                |      |                     |        | Qvalue |          |
| 2) Dichlorodifluoromethane   | 2.153          | 85   | 38145               | 19.138 | ug/l   | 96       |
| 3) Chloromethane             | 2.400          | 50   | 39948               | 15.521 | ug/l   | 99       |
| 4) Vinyl Chloride            | 2.553          | 62   | 49695               | 18.717 | ug/l   | 97       |
| 5) Bromomethane              | 3.000          | 94   | 24041               | 16.181 | ug/l   | 95       |
| 6) Chloroethane              | 3.153          | 64   | 32368               | 18.874 | ug/l   | 100      |
| 7) Trichlorofluoromethane    | 3.530          | 101  | 66071               | 19.047 | ug/l   | 96       |
| 8) Diethyl Ether             | 3.977          | 74   | 29872               | 19.765 | ug/l   | 99       |
| 9) 1,1,2-Trichlorotrifluo... | 4.394          | 101  | 40831               | 18.735 | ug/l   | 97       |
| 10) Methyl Iodide            | 4.612          | 142  | 36500               | 12.919 | ug/l   | 100      |
| 11) Tert butyl alcohol       | 5.541          | 59   | 71180               | 98.012 | ug/l   | 100      |
| 12) 1,1-Dichloroethene       | 4.365          | 96   | 42515               | 19.108 | ug/l   | 92       |
| 13) Acrolein                 | 4.200          | 56   | 22554               | 98.112 | ug/l   | 100      |
| 14) Allyl chloride           | 5.053          | 41   | 65845               | 17.844 | ug/l   | 98       |
| 15) Acrylonitrile            | 5.736          | 53   | 167429              | 98.634 | ug/l   | 100      |
| 16) Acetone                  | 4.447          | 43   | 131189              | 92.428 | ug/l   | 97       |
| 17) Carbon Disulfide         | 4.736          | 76   | 105790              | 17.189 | ug/l   | 98       |
| 18) Methyl Acetate           | 5.047          | 43   | 83025               | 20.072 | ug/l   | 99       |
| 19) Methyl tert-butyl Ether  | 5.818          | 73   | 162549              | 20.177 | ug/l   | 99       |
| 20) Methylene Chloride       | 5.300          | 84   | 50840               | 19.132 | ug/l   | 96       |
| 21) trans-1,2-Dichloroethene | 5.806          | 96   | 46018               | 18.589 | ug/l   | 99       |
| 22) Diisopropyl ether        | 6.688          | 45   | 152785              | 19.643 | ug/l   | 98       |
| 23) Vinyl Acetate            | 6.618          | 43   | 656574              | 99.908 | ug/l   | 98       |
| 24) 1,1-Dichloroethane       | 6.588          | 63   | 86331               | 19.287 | ug/l   | 99       |
| 25) 2-Butanone               | 7.494          | 43   | 218999              | 94.923 | ug/l   | 99       |
| 26) 2,2-Dichloropropane      | 7.506          | 77   | 74316               | 21.343 | ug/l   | 98       |
| 27) cis-1,2-Dichloroethene   | 7.500          | 96   | 57947               | 19.573 | ug/l   | 97       |
| 28) Bromochloromethane       | 7.824          | 49   | 46411               | 21.088 | ug/l   | 97       |
| 29) Tetrahydrofuran          | 7.853          | 42   | 145366              | 96.721 | ug/l   | 98       |
| 30) Chloroform               | 7.977          | 83   | 86604               | 19.374 | ug/l   | 100      |
| 31) Cyclohexane              | 8.265          | 56   | 74510               | 17.164 | ug/l   | 98       |
| 32) 1,1,1-Trichloroethane    | 8.177          | 97   | 71441               | 18.790 | ug/l   | 98       |
| 36) 1,1-Dichloropropene      | 8.382          | 75   | 60912               | 19.481 | ug/l   | 99       |
| 37) Ethyl Acetate            | 7.571          | 43   | 80010               | 20.102 | ug/l   | 99       |
| 38) Carbon Tetrachloride     | 8.371          | 117  | 59839               | 19.494 | ug/l   | 96       |
| 39) Methylcyclohexane        | 9.606          | 83   | 71058               | 16.588 | ug/l   | 97       |
| 40) Benzene                  | 8.612          | 78   | 200940              | 19.653 | ug/l   | 98       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN061125\  
 Data File : VN086945.D  
 Acq On : 11 Jun 2025 14:01  
 Operator : JC\MD  
 Sample : VN0611WBSD02  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0611WBSD02

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 06/12/2025  
 Supervised By : Semsettin Yesilyurt 06/12/2025

Quant Time: Jun 12 01:32:16 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   | 46047    | 20.600  | ug/l   | 98       |
| 42) 1,2-Dichloroethane        | 8.677  | 62   | 63066    | 20.336  | ug/l   | 100      |
| 43) Isopropyl Acetate         | 8.694  | 43   | 127320   | 19.930  | ug/l   | 99       |
| 44) Trichloroethene           | 9.359  | 130  | 48830    | 20.141  | ug/l   | 97       |
| 45) 1,2-Dichloropropane       | 9.624  | 63   | 49815    | 20.027  | ug/l   | 95       |
| 46) Dibromomethane            | 9.712  | 93   | 35176    | 21.290  | ug/l   | 99       |
| 47) Bromodichloromethane      | 9.894  | 83   | 70222    | 20.658  | ug/l   | 99       |
| 48) Methyl methacrylate       | 9.688  | 41   | 56099    | 19.079  | ug/l   | 95       |
| 49) 1,4-Dioxane               | 9.700  | 88   | 24300    | 454.282 | ug/l # | 93       |
| 51) 4-Methyl-2-Pentanone      | 10.447 | 43   | 399735   | 103.940 | ug/l   | 99       |
| 52) Toluene                   | 10.629 | 92   | 124298   | 19.893  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 10.841 | 75   | 78850    | 20.744  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 10.318 | 75   | 84225    | 20.709  | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane     | 11.018 | 97   | 50307    | 20.924  | ug/l   | 97       |
| 56) Ethyl methacrylate        | 10.882 | 69   | 79449    | 20.747  | ug/l   | 97       |
| 57) 1,3-Dichloropropane       | 11.165 | 76   | 85222    | 20.434  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 10.165 | 63   | 241856   | 105.889 | ug/l   | 99       |
| 59) 2-Hexanone                | 11.206 | 43   | 232463   | 93.840  | ug/l   | 95       |
| 60) Dibromochloromethane      | 11.359 | 129  | 53154    | 21.220  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.470 | 107  | 51056    | 20.718  | ug/l   | 99       |
| 64) Tetrachloroethene         | 11.106 | 164  | 36363    | 18.499  | ug/l   | 98       |
| 65) Chlorobenzene             | 11.894 | 112  | 138224   | 20.178  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.965 | 131  | 45014    | 20.442  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.965 | 91   | 227138   | 19.250  | ug/l   | 100      |
| 68) m/p-Xylenes               | 12.070 | 106  | 178421   | 39.501  | ug/l   | 98       |
| 69) o-Xylene                  | 12.400 | 106  | 86537    | 20.004  | ug/l   | 100      |
| 70) Styrene                   | 12.412 | 104  | 152236   | 20.565  | ug/l   | 98       |
| 71) Bromoform                 | 12.582 | 173  | 36528    | 22.388  | ug/l # | 98       |
| 73) Isopropylbenzene          | 12.694 | 105  | 213019   | 19.276  | ug/l   | 100      |
| 74) N-amyl acetate            | 12.529 | 43   | 69705    | 18.051  | ug/l # | 88       |
| 75) 1,1,2,2-Tetrachloroethane | 12.935 | 83   | 81389    | 21.740  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 12.994 | 75   | 71147m   | 19.732  | ug/l   |          |
| 77) Bromobenzene              | 12.976 | 156  | 54030    | 21.319  | ug/l   | 98       |
| 78) n-propylbenzene           | 13.035 | 91   | 257426   | 19.168  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 13.123 | 91   | 157627   | 19.571  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 13.170 | 105  | 175428   | 19.228  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.735 | 75   | 29703    | 18.963  | ug/l   | 95       |
| 82) 4-Chlorotoluene           | 13.223 | 91   | 162421   | 19.931  | ug/l   | 100      |
| 83) tert-Butylbenzene         | 13.435 | 119  | 156588   | 18.749  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 13.482 | 105  | 177241   | 19.373  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.611 | 105  | 219639   | 18.109  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.729 | 119  | 182853   | 18.238  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.729 | 146  | 102302   | 20.517  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene       | 13.811 | 146  | 103614   | 20.382  | ug/l   | 98       |
| 89) n-Butylbenzene            | 14.053 | 91   | 171576   | 17.668  | ug/l   | 99       |
| 90) Hexachloroethane          | 14.329 | 117  | 31966    | 18.810  | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene       | 14.106 | 146  | 98864    | 20.638  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.723 | 75   | 18610    | 20.786  | ug/l   | 99       |
| 93) 1,2,4-Trichlorobenzene    | 15.388 | 180  | 57083    | 18.660  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.500 | 225  | 17672    | 15.506  | ug/l   | 98       |
| 95) Naphthalene               | 15.635 | 128  | 230927   | 20.281  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.835 | 180  | 55026    | 18.105  | ug/l   | 98       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN061125\  
Data File : VN086945.D  
Acq On : 11 Jun 2025 14:01  
Operator : JC\MD  
Sample : VN0611WBSD02  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0611WBSD02

Manual Integrations  
APPROVED

Reviewed By :John Carlone 06/12/2025  
Supervised By :Semsettin Yesilyurt 06/12/2025

Quant Time: Jun 12 01:32:16 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

## Manual Integrations APPROVED

Reviewed By :John Carlone 06/12/2025  
Supervised By :Semsettin Yesilyurt 06/12/2025

Quant Time: Jun 12 01:32:16 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

