

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN092625\  
 Data File : VN087964.D  
 Acq On : 26 Sep 2025 14:10  
 Operator : JC\MD  
 Sample : VN0926WBS01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0926WBS01

Quant Time: Sep 27 01:24:31 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N092325W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Sep 24 05:05:30 2025  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/29/2025  
 Supervised By :Semsettin Yesilyurt 09/29/2025

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 8.206          | 168  | 204106              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 9.082          | 114  | 390365              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.841         | 117  | 380422              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.770         | 152  | 204880              | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.565          | 65   | 184028              | 53.575  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 74 - 125 |      | Recovery = 107.160% |         |        |          |
| 35) Dibromofluoromethane     | 8.153          | 113  | 143451              | 50.613  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = 101.220% |         |        |          |
| 50) Toluene-d8               | 10.547         | 98   | 505053              | 50.673  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 86 - 113 |      | Recovery = 101.340% |         |        |          |
| 62) 4-Bromofluorobenzene     | 12.829         | 95   | 179803              | 50.469  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 77 - 121 |      | Recovery = 100.940% |         |        |          |
| Target Compounds             |                |      |                     |         |        |          |
|                              |                |      |                     |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 2.142          | 85   | 47868               | 20.251  | ug/l   | 97       |
| 3) Chloromethane             | 2.383          | 50   | 49560               | 20.477  | ug/l   | 95       |
| 4) Vinyl Chloride            | 2.536          | 62   | 50918               | 20.621  | ug/l   | 99       |
| 5) Bromomethane              | 2.983          | 94   | 36004               | 23.520  | ug/l   | 87       |
| 6) Chloroethane              | 3.136          | 64   | 35995               | 22.420  | ug/l   | 93       |
| 7) Trichlorofluoromethane    | 3.518          | 101  | 85814               | 21.345  | ug/l   | 98       |
| 8) Diethyl Ether             | 3.959          | 74   | 35345               | 23.272  | ug/l   | 93       |
| 9) 1,1,2-Trichlorotrifluo... | 4.359          | 101  | 45640               | 21.479  | ug/l   | 99       |
| 10) Methyl Iodide            | 4.583          | 142  | 37214               | 19.460  | ug/l   | 96       |
| 11) Tert butyl alcohol       | 5.524          | 59   | 56538               | 114.276 | ug/l # | 91       |
| 12) 1,1-Dichloroethene       | 4.342          | 96   | 47675               | 22.237  | ug/l   | 93       |
| 13) Acrolein                 | 4.177          | 56   | 62757               | 98.858  | ug/l   | 100      |
| 14) Allyl chloride           | 5.024          | 41   | 69926               | 20.034  | ug/l   | 97       |
| 15) Acrylonitrile            | 5.712          | 53   | 175169              | 112.873 | ug/l   | 99       |
| 16) Acetone                  | 4.424          | 43   | 153136              | 108.354 | ug/l   | 97       |
| 17) Carbon Disulfide         | 4.706          | 76   | 135878              | 20.284  | ug/l   | 97       |
| 18) Methyl Acetate           | 5.018          | 43   | 85328               | 24.125  | ug/l   | 97       |
| 19) Methyl tert-butyl Ether  | 5.788          | 73   | 178746              | 21.342  | ug/l   | 95       |
| 20) Methylene Chloride       | 5.271          | 84   | 62376               | 21.805  | ug/l # | 96       |
| 21) trans-1,2-Dichloroethene | 5.771          | 96   | 55383               | 21.072  | ug/l   | 86       |
| 22) Diisopropyl ether        | 6.659          | 45   | 177783              | 21.819  | ug/l   | 97       |
| 23) Vinyl Acetate            | 6.594          | 43   | 798561              | 116.397 | ug/l   | 98       |
| 24) 1,1-Dichloroethane       | 6.553          | 63   | 108298              | 22.750  | ug/l   | 97       |
| 25) 2-Butanone               | 7.471          | 43   | 243808              | 112.866 | ug/l   | 98       |
| 26) 2,2-Dichloropropane      | 7.471          | 77   | 91038               | 21.525  | ug/l   | 97       |
| 27) cis-1,2-Dichloroethene   | 7.477          | 96   | 66730               | 21.338  | ug/l   | 98       |
| 28) Bromochloromethane       | 7.794          | 49   | 50750               | 19.622  | ug/l   | 97       |
| 29) Tetrahydrofuran          | 7.830          | 42   | 159441              | 115.272 | ug/l   | 98       |
| 30) Chloroform               | 7.947          | 83   | 118071              | 22.684  | ug/l   | 98       |
| 31) Cyclohexane              | 8.241          | 56   | 77752               | 20.186  | ug/l   | 98       |
| 32) 1,1,1-Trichloroethane    | 8.153          | 97   | 97233               | 22.108  | ug/l   | 98       |
| 36) 1,1-Dichloropropene      | 8.353          | 75   | 72390               | 21.241  | ug/l   | 97       |
| 37) Ethyl Acetate            | 7.553          | 43   | 93316               | 20.851  | ug/l   | 99       |
| 38) Carbon Tetrachloride     | 8.347          | 117  | 79622               | 20.360  | ug/l   | 94       |
| 39) Methylcyclohexane        | 9.582          | 83   | 70925               | 18.865  | ug/l   | 95       |
| 40) Benzene                  | 8.588          | 78   | 238390              | 21.126  | ug/l   | 99       |

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 Sample : VN0926WBS01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0926WBS01

Quant Time: Sep 27 01:24:31 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N092325W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Sep 24 05:05:30 2025  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/29/2025  
 Supervised By :Semsettin Yesilyurt 09/29/2025

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.759  | 41   | 46132    | 19.946  | ug/l   | 93       |
| 42) 1,2-Dichloroethane        | 8.653  | 62   | 89845    | 21.336  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.677  | 43   | 148784   | 21.121  | ug/l   | 98       |
| 44) Trichloroethene           | 9.329  | 130  | 55458    | 20.575  | ug/l   | 100      |
| 45) 1,2-Dichloropropane       | 9.600  | 63   | 58925    | 20.825  | ug/l   | 97       |
| 46) Dibromomethane            | 9.688  | 93   | 48120    | 21.552  | ug/l   | 94       |
| 47) Bromodichloromethane      | 9.871  | 83   | 95945    | 21.909  | ug/l   | 97       |
| 48) Methyl methacrylate       | 9.665  | 41   | 64436    | 19.752  | ug/l   | 96       |
| 49) 1,4-Dioxane               | 9.682  | 88   | 21390    | 443.839 | ug/l # | 96       |
| 51) 4-Methyl-2-Pentanone      | 10.423 | 43   | 499138   | 113.551 | ug/l   | 97       |
| 52) Toluene                   | 10.606 | 92   | 149775   | 21.151  | ug/l   | 97       |
| 53) t-1,3-Dichloropropene     | 10.818 | 75   | 90076    | 20.098  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 10.288 | 75   | 96261    | 20.679  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane     | 11.000 | 97   | 63911    | 22.197  | ug/l   | 88       |
| 56) Ethyl methacrylate        | 10.859 | 69   | 81427    | 19.572  | ug/l   | 96       |
| 57) 1,3-Dichloropropane       | 11.141 | 76   | 101601   | 21.454  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 10.141 | 63   | 233475   | 119.357 | ug/l   | 99       |
| 59) 2-Hexanone                | 11.176 | 43   | 321097   | 110.474 | ug/l   | 99       |
| 60) Dibromochloromethane      | 11.341 | 129  | 73246    | 21.637  | ug/l   | 96       |
| 61) 1,2-Dibromoethane         | 11.447 | 107  | 63903    | 20.965  | ug/l   | 99       |
| 64) Tetrachloroethene         | 11.082 | 164  | 45338    | 19.565  | ug/l   | 96       |
| 65) Chlorobenzene             | 11.870 | 112  | 168274   | 20.786  | ug/l   | 92       |
| 66) 1,1,1,2-Tetrachloroethane | 11.935 | 131  | 60772    | 20.816  | ug/l   | 97       |
| 67) Ethyl Benzene             | 11.941 | 91   | 264322   | 19.567  | ug/l   | 97       |
| 68) m/p-Xylenes               | 12.053 | 106  | 208415   | 40.341  | ug/l   | 100      |
| 69) o-Xylene                  | 12.376 | 106  | 98060    | 19.756  | ug/l   | 98       |
| 70) Styrene                   | 12.394 | 104  | 173798   | 20.387  | ug/l   | 98       |
| 71) Bromoform                 | 12.559 | 173  | 48130    | 20.320  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.676 | 105  | 247999   | 19.531  | ug/l   | 100      |
| 74) N-amyl acetate            | 12.682 | 43   | 71796m   | 17.160  | ug/l   |          |
| 75) 1,1,2,2-Tetrachloroethane | 12.917 | 83   | 97879    | 21.394  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 12.976 | 75   | 82290m   | 20.376  | ug/l   |          |
| 77) Bromobenzene              | 12.959 | 156  | 70335    | 20.818  | ug/l   | 95       |
| 78) n-propylbenzene           | 13.012 | 91   | 315729   | 19.887  | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 13.106 | 91   | 194431   | 20.114  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 13.153 | 105  | 219471   | 19.982  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 12.717 | 75   | 27804    | 19.117  | ug/l   | 93       |
| 82) 4-Chlorotoluene           | 13.200 | 91   | 204059   | 20.950  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 13.417 | 119  | 179562   | 19.315  | ug/l   | 94       |
| 84) 1,2,4-Trimethylbenzene    | 13.459 | 105  | 225007   | 19.973  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.594 | 105  | 270991   | 19.882  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.706 | 119  | 225612   | 19.544  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.711 | 146  | 134625   | 20.420  | ug/l   | 97       |
| 88) 1,4-Dichlorobenzene       | 13.788 | 146  | 140110   | 20.679  | ug/l   | 97       |
| 89) n-Butylbenzene            | 14.035 | 91   | 208092   | 19.074  | ug/l   | 99       |
| 90) Hexachloroethane          | 14.311 | 117  | 46530    | 19.296  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene       | 14.082 | 146  | 128188   | 20.171  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.694 | 75   | 21681    | 20.395  | ug/l   | 95       |
| 93) 1,2,4-Trichlorobenzene    | 15.370 | 180  | 71696    | 19.108  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.476 | 225  | 27257    | 19.737  | ug/l   | 97       |
| 95) Naphthalene               | 15.617 | 128  | 228095   | 18.938  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.811 | 180  | 69627    | 19.087  | ug/l   | 98       |

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Sample : VN0926WBS01  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0926WBS01

Manual Integrations  
APPROVED

Reviewed By :Mahesh Dadoda 09/29/2025  
Supervised By :Semsettin Yesilyurt 09/29/2025

Quant Time: Sep 27 01:24:31 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N092325W.M  
Quant Title : SW846 8260  
QLast Update : Wed Sep 24 05:05:30 2025  
Response via : Initial Calibration

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

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

