

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN102725\  
 Data File : VN088105.D  
 Acq On : 27 Oct 2025 11:55  
 Operator : JC\MD  
 Sample : VN1027WBS01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1027WBS01

Quant Time: Oct 28 01:22:32 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N102325W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Oct 25 00:15:22 2025  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By : John Carlone 10/28/2025  
 Supervised By : Semsettin Yesilyurt 10/28/2025

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 8.206          | 168  | 300941              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 9.082          | 114  | 563874              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.847         | 117  | 505093              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.770         | 152  | 256562              | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.565          | 65   | 292467              | 56.202  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 74 - 125 |      | Recovery = 112.400% |         |        |          |
| 35) Dibromofluoromethane     | 8.147          | 113  | 201534              | 53.201  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = 106.400% |         |        |          |
| 50) Toluene-d8               | 10.547         | 98   | 745408              | 51.068  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 86 - 113 |      | Recovery = 102.140% |         |        |          |
| 62) 4-Bromofluorobenzene     | 12.829         | 95   | 271139              | 52.599  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 77 - 121 |      | Recovery = 105.200% |         |        |          |
| Target Compounds             |                |      |                     |         |        |          |
|                              |                |      |                     |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 2.142          | 85   | 70657               | 20.814  | ug/l   | 97       |
| 3) Chloromethane             | 2.383          | 50   | 85119               | 21.314  | ug/l   | 98       |
| 4) Vinyl Chloride            | 2.536          | 62   | 91995               | 21.142  | ug/l   | 100      |
| 5) Bromomethane              | 2.983          | 94   | 52750               | 20.268  | ug/l   | 100      |
| 6) Chloroethane              | 3.142          | 64   | 58867               | 18.777  | ug/l   | 100      |
| 7) Trichlorofluoromethane    | 3.512          | 101  | 136634              | 19.687  | ug/l   | 99       |
| 8) Diethyl Ether             | 3.959          | 74   | 52943               | 20.525  | ug/l   | 91       |
| 9) 1,1,2-Trichlorotrifluo... | 4.377          | 101  | 72457               | 20.232  | ug/l   | 97       |
| 10) Methyl Iodide            | 4.583          | 142  | 63251               | 20.612  | ug/l   | 92       |
| 11) Tert butyl alcohol       | 5.524          | 59   | 102660              | 114.510 | ug/l   | 99       |
| 12) 1,1-Dichloroethene       | 4.342          | 96   | 72424               | 19.147  | ug/l   | 97       |
| 13) Acrolein                 | 4.183          | 56   | 131856              | 130.754 | ug/l   | 99       |
| 14) Allyl chloride           | 5.012          | 41   | 135015              | 20.365  | ug/l   | 95       |
| 15) Acrylonitrile            | 5.712          | 53   | 271724              | 111.268 | ug/l   | 100      |
| 16) Acetone                  | 4.424          | 43   | 272627              | 104.280 | ug/l   | 99       |
| 17) Carbon Disulfide         | 4.706          | 76   | 228511              | 19.874  | ug/l   | 100      |
| 18) Methyl Acetate           | 5.024          | 43   | 120917              | 22.592  | ug/l   | 97       |
| 19) Methyl tert-butyl Ether  | 5.789          | 73   | 302666              | 21.789  | ug/l   | 98       |
| 20) Methylene Chloride       | 5.271          | 84   | 94419               | 23.618  | ug/l   | 97       |
| 21) trans-1,2-Dichloroethene | 5.783          | 96   | 83955               | 20.221  | ug/l   | 99       |
| 22) Diisopropyl ether        | 6.659          | 45   | 307416              | 22.048  | ug/l   | 95       |
| 23) Vinyl Acetate            | 6.594          | 43   | 1424145             | 113.392 | ug/l   | 97       |
| 24) 1,1-Dichloroethane       | 6.553          | 63   | 171245              | 22.172  | ug/l   | 97       |
| 25) 2-Butanone               | 7.471          | 43   | 383491              | 111.307 | ug/l   | 99       |
| 26) 2,2-Dichloropropane      | 7.471          | 77   | 152872              | 21.781  | ug/l   | 98       |
| 27) cis-1,2-Dichloroethene   | 7.471          | 96   | 101089              | 21.150  | ug/l   | 95       |
| 28) Bromochloromethane       | 7.794          | 49   | 91201               | 24.991  | ug/l   | 98       |
| 29) Tetrahydrofuran          | 7.830          | 42   | 252484              | 112.448 | ug/l   | 98       |
| 30) Chloroform               | 7.947          | 83   | 174874              | 22.664  | ug/l   | 98       |
| 31) Cyclohexane              | 8.241          | 56   | 153037              | 21.009  | ug/l   | 99       |
| 32) 1,1,1-Trichloroethane    | 8.147          | 97   | 150009              | 21.829  | ug/l   | 96       |
| 36) 1,1-Dichloropropene      | 8.353          | 75   | 120548              | 21.795  | ug/l   | 99       |
| 37) Ethyl Acetate            | 7.547          | 43   | 156235              | 21.888  | ug/l   | 98       |
| 38) Carbon Tetrachloride     | 8.341          | 117  | 127037              | 22.238  | ug/l   | 100      |
| 39) Methylcyclohexane        | 9.577          | 83   | 141080              | 19.844  | ug/l   | 98       |
| 40) Benzene                  | 8.588          | 78   | 366941              | 21.784  | ug/l   | 100      |

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 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
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 ClientSampleId :  
 VN1027WBS01

Manual Integrations  
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 Supervised By :Semsettin Yesilyurt 10/28/2025

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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N102325W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Oct 25 00:15:22 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.765  | 41   | 83450    | 22.213  | ug/l   | 98       |
| 42) 1,2-Dichloroethane        | 8.653  | 62   | 145750   | 24.352  | ug/l   | 98       |
| 43) Isopropyl Acetate         | 8.671  | 43   | 249652   | 22.762  | ug/l   | 98       |
| 44) Trichloroethene           | 9.335  | 130  | 83048    | 21.093  | ug/l   | 98       |
| 45) 1,2-Dichloropropane       | 9.606  | 63   | 93135    | 21.901  | ug/l   | 97       |
| 46) Dibromomethane            | 9.688  | 93   | 67628    | 22.297  | ug/l   | 98       |
| 47) Bromodichloromethane      | 9.865  | 83   | 138182   | 22.756  | ug/l   | 98       |
| 48) Methyl methacrylate       | 9.665  | 41   | 116857   | 23.077  | ug/l   | 97       |
| 49) 1,4-Dioxane               | 9.682  | 88   | 27524    | 437.028 | ug/l # | 87       |
| 51) 4-Methyl-2-Pentanone      | 10.424 | 43   | 756352   | 116.567 | ug/l   | 100      |
| 52) Toluene                   | 10.612 | 92   | 223155   | 21.487  | ug/l   | 97       |
| 53) t-1,3-Dichloropropene     | 10.818 | 75   | 141361   | 21.872  | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene   | 10.294 | 75   | 152892   | 22.294  | ug/l   | 96       |
| 55) 1,1,2-Trichloroethane     | 11.000 | 97   | 87269    | 22.149  | ug/l   | 98       |
| 56) Ethyl methacrylate        | 10.859 | 69   | 134518   | 21.574  | ug/l   | 97       |
| 57) 1,3-Dichloropropane       | 11.141 | 76   | 154575   | 22.319  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 10.141 | 63   | 327194   | 100.882 | ug/l   | 99       |
| 59) 2-Hexanone                | 11.176 | 43   | 492033   | 114.310 | ug/l   | 99       |
| 60) Dibromochloromethane      | 11.335 | 129  | 96318    | 21.507  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.447 | 107  | 89527    | 22.078  | ug/l   | 98       |
| 64) Tetrachloroethene         | 11.082 | 164  | 69633    | 20.900  | ug/l   | 89       |
| 65) Chlorobenzene             | 11.871 | 112  | 244731   | 21.338  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 11.941 | 131  | 81619    | 21.722  | ug/l   | 98       |
| 67) Ethyl Benzene             | 11.941 | 91   | 421252   | 20.925  | ug/l   | 99       |
| 68) m/p-Xylenes               | 12.053 | 106  | 317335   | 42.070  | ug/l   | 100      |
| 69) o-Xylene                  | 12.376 | 106  | 151783   | 21.227  | ug/l   | 99       |
| 70) Styrene                   | 12.394 | 104  | 254839   | 21.855  | ug/l   | 98       |
| 71) Bromoform                 | 12.559 | 173  | 61158    | 21.810  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.671 | 105  | 397427   | 20.084  | ug/l   | 100      |
| 74) N-amyl acetate            | 12.629 | 43   | 128367m  | 22.852  | ug/l   |          |
| 75) 1,1,2,2-Tetrachloroethane | 12.918 | 83   | 132181   | 21.456  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.970 | 75   | 112443m  | 19.169  | ug/l   |          |
| 77) Bromobenzene              | 12.959 | 156  | 92521    | 21.683  | ug/l   | 97       |
| 78) n-propylbenzene           | 13.012 | 91   | 492713   | 20.404  | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 13.100 | 91   | 294890   | 21.413  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 13.153 | 105  | 333799   | 20.311  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 12.718 | 75   | 38179    | 18.156  | ug/l   | 91       |
| 82) 4-Chlorotoluene           | 13.200 | 91   | 303454   | 20.367  | ug/l   | 100      |
| 83) tert-Butylbenzene         | 13.418 | 119  | 286500   | 19.516  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.459 | 105  | 339120   | 20.625  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.594 | 105  | 429310   | 19.904  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.706 | 119  | 354614   | 20.495  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 13.712 | 146  | 177044   | 20.784  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene       | 13.788 | 146  | 184081   | 20.120  | ug/l   | 98       |
| 89) n-Butylbenzene            | 14.035 | 91   | 344021   | 20.072  | ug/l   | 99       |
| 90) Hexachloroethane          | 14.312 | 117  | 66650    | 19.892  | ug/l   | 96       |
| 91) 1,2-Dichlorobenzene       | 14.082 | 146  | 169616   | 20.657  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.694 | 75   | 30171    | 21.041  | ug/l   | 96       |
| 93) 1,2,4-Trichlorobenzene    | 15.370 | 180  | 102766   | 20.665  | ug/l   | 97       |
| 94) Hexachlorobutadiene       | 15.470 | 225  | 38748    | 20.924  | ug/l   | 99       |
| 95) Naphthalene               | 15.617 | 128  | 338638   | 19.878  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.811 | 180  | 97739    | 20.498  | ug/l   | 97       |

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Sample : VN1027WBS01  
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ALS Vial : 7 Sample Multiplier: 1

Instrument :  
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Manual Integrations  
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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

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

