

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN120325\  
 Data File : VN088419.D  
 Acq On : 03 Dec 2025 11:38  
 Operator : JC\MD  
 Sample : VN1203WBS01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1203WBS01

Quant Time: Dec 04 00:15:18 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N112425W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Nov 25 01:34:52 2025  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By :John Carlone 12/04/2025  
 Supervised By :Semsettin Yesilyurt 12/04/2025

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 8.206          | 168  | 204614              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 9.082          | 114  | 382235              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.841         | 117  | 345174              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.770         | 152  | 173546              | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.559          | 65   | 209173              | 54.267  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 74 - 125 |      | Recovery = 108.540% |         |        |          |
| 35) Dibromofluoromethane     | 8.147          | 113  | 135788              | 51.263  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = 102.520% |         |        |          |
| 50) Toluene-d8               | 10.547         | 98   | 488254              | 49.539  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 86 - 113 |      | Recovery = 99.080%  |         |        |          |
| 62) 4-Bromofluorobenzene     | 12.829         | 95   | 166873              | 49.346  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 77 - 121 |      | Recovery = 98.700%  |         |        |          |
| Target Compounds             |                |      |                     |         |        |          |
|                              |                |      |                     |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 2.142          | 85   | 60629               | 19.728  | ug/l   | 99       |
| 3) Chloromethane             | 2.383          | 50   | 65720               | 19.910  | ug/l   | 100      |
| 4) Vinyl Chloride            | 2.536          | 62   | 65541               | 19.518  | ug/l   | 89       |
| 5) Bromomethane              | 2.983          | 94   | 34053               | 21.070  | ug/l   | 94       |
| 6) Chloroethane              | 3.142          | 64   | 43089               | 20.735  | ug/l   | 98       |
| 7) Trichlorofluoromethane    | 3.518          | 101  | 94329               | 19.987  | ug/l   | 98       |
| 8) Diethyl Ether             | 3.965          | 74   | 36580               | 20.650  | ug/l   | 98       |
| 9) 1,1,2-Trichlorotrifluo... | 4.371          | 101  | 49588               | 19.736  | ug/l   | 98       |
| 10) Methyl Iodide            | 4.583          | 142  | 41239               | 16.580  | ug/l   | 92       |
| 11) Tert butyl alcohol       | 5.512          | 59   | 54309               | 88.250  | ug/l   | 100      |
| 12) 1,1-Dichloroethene       | 4.347          | 96   | 47292               | 18.945  | ug/l   | 95       |
| 13) Acrolein                 | 4.171          | 56   | 59542               | 101.061 | ug/l   | 97       |
| 14) Allyl chloride           | 5.018          | 41   | 89883               | 19.426  | ug/l   | 99       |
| 15) Acrylonitrile            | 5.706          | 53   | 178927              | 100.773 | ug/l   | 98       |
| 16) Acetone                  | 4.424          | 43   | 128167              | 91.942  | ug/l   | 97       |
| 17) Carbon Disulfide         | 4.712          | 76   | 158397              | 19.418  | ug/l   | 98       |
| 18) Methyl Acetate           | 5.024          | 43   | 84767               | 20.428  | ug/l   | 99       |
| 19) Methyl tert-butyl Ether  | 5.782          | 73   | 194085              | 20.752  | ug/l   | 99       |
| 20) Methylene Chloride       | 5.271          | 84   | 63283               | 21.218  | ug/l   | 98       |
| 21) trans-1,2-Dichloroethene | 5.777          | 96   | 55829               | 20.189  | ug/l   | 94       |
| 22) Diisopropyl ether        | 6.653          | 45   | 214599              | 21.725  | ug/l   | 97       |
| 23) Vinyl Acetate            | 6.588          | 43   | 930390              | 116.902 | ug/l   | 99       |
| 24) 1,1-Dichloroethane       | 6.547          | 63   | 120920              | 21.616  | ug/l   | 98       |
| 25) 2-Butanone               | 7.465          | 43   | 221378              | 98.785  | ug/l   | 96       |
| 26) 2,2-Dichloropropane      | 7.471          | 77   | 99733               | 20.655  | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene   | 7.465          | 96   | 66616               | 20.728  | ug/l   | 97       |
| 28) Bromochloromethane       | 7.800          | 49   | 55880               | 20.052  | ug/l   | 97       |
| 29) Tetrahydrofuran          | 7.824          | 42   | 159218              | 99.052  | ug/l   | 99       |
| 30) Chloroform               | 7.947          | 83   | 120855              | 21.987  | ug/l   | 97       |
| 31) Cyclohexane              | 8.235          | 56   | 96506               | 19.037  | ug/l   | 96       |
| 32) 1,1,1-Trichloroethane    | 8.147          | 97   | 99906               | 20.671  | ug/l   | 91       |
| 36) 1,1-Dichloropropene      | 8.347          | 75   | 76957               | 18.825  | ug/l   | 99       |
| 37) Ethyl Acetate            | 7.547          | 43   | 107252              | 19.953  | ug/l   | 100      |
| 38) Carbon Tetrachloride     | 8.335          | 117  | 84507               | 20.765  | ug/l   | 93       |
| 39) Methylcyclohexane        | 9.582          | 83   | 75011               | 17.154  | ug/l   | 90       |
| 40) Benzene                  | 8.582          | 78   | 243262              | 20.274  | ug/l   | 97       |

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 ALS Vial : 6 Sample Multiplier: 1

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 Quant Title : SW846 8260  
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 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.759  | 41   | 53665    | 20.157  | ug/l   | 99       |
| 42) 1,2-Dichloroethane        | 8.653  | 62   | 102116   | 22.307  | ug/l   | 100      |
| 43) Isopropyl Acetate         | 8.671  | 43   | 159565   | 19.429  | ug/l   | 100      |
| 44) Trichloroethene           | 9.329  | 130  | 54294    | 19.151  | ug/l   | 96       |
| 45) 1,2-Dichloropropane       | 9.600  | 63   | 64434    | 20.960  | ug/l   | 93       |
| 46) Dibromomethane            | 9.688  | 93   | 46137    | 21.030  | ug/l   | 99       |
| 47) Bromodichloromethane      | 9.865  | 83   | 97667    | 21.818  | ug/l   | 89       |
| 48) Methyl methacrylate       | 9.659  | 41   | 76248    | 20.348  | ug/l   | 98       |
| 49) 1,4-Dioxane               | 9.682  | 88   | 15069    | 316.210 | ug/l # | 100      |
| 51) 4-Methyl-2-Pentanone      | 10.423 | 43   | 513300   | 106.034 | ug/l   | 99       |
| 52) Toluene                   | 10.606 | 92   | 144540   | 20.863  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 10.812 | 75   | 93059    | 20.253  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 10.288 | 75   | 101913   | 21.091  | ug/l   | 96       |
| 55) 1,1,2-Trichloroethane     | 10.994 | 97   | 56551    | 21.097  | ug/l   | 95       |
| 56) Ethyl methacrylate        | 10.853 | 69   | 86232    | 20.366  | ug/l   | 99       |
| 57) 1,3-Dichloropropane       | 11.141 | 76   | 102375   | 21.171  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 10.135 | 63   | 244731   | 100.257 | ug/l   | 100      |
| 59) 2-Hexanone                | 11.176 | 43   | 299829   | 98.319  | ug/l   | 100      |
| 60) Dibromochloromethane      | 11.335 | 129  | 65438    | 21.415  | ug/l   | 97       |
| 61) 1,2-Dibromoethane         | 11.447 | 107  | 58683    | 21.619  | ug/l   | 99       |
| 64) Tetrachloroethene         | 11.082 | 164  | 45186    | 16.513  | ug/l   | 95       |
| 65) Chlorobenzene             | 11.864 | 112  | 155133   | 20.009  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 11.935 | 131  | 54875    | 20.985  | ug/l   | 98       |
| 67) Ethyl Benzene             | 11.941 | 91   | 257971   | 19.037  | ug/l   | 99       |
| 68) m/p-Xylenes               | 12.047 | 106  | 189907   | 37.798  | ug/l   | 97       |
| 69) o-Xylene                  | 12.376 | 106  | 90507    | 18.895  | ug/l   | 97       |
| 70) Styrene                   | 12.388 | 104  | 155850   | 20.038  | ug/l   | 99       |
| 71) Bromoform                 | 12.559 | 173  | 39365    | 20.553  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.676 | 105  | 232755   | 18.139  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.688 | 43   | 97909m   | 22.405  | ug/l   |          |
| 75) 1,1,2,2-Tetrachloroethane | 12.911 | 83   | 81442    | 19.633  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 12.970 | 75   | 72180m   | 17.758  | ug/l   |          |
| 77) Bromobenzene              | 12.959 | 156  | 57417    | 19.557  | ug/l   | 98       |
| 78) n-propylbenzene           | 13.011 | 91   | 289837   | 18.463  | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 13.100 | 91   | 179184   | 18.692  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 13.147 | 105  | 205222   | 19.301  | ug/l   | 96       |
| 81) trans-1,4-Dichloro-2-b... | 12.717 | 75   | 25746    | 17.969  | ug/l # | 73       |
| 82) 4-Chlorotoluene           | 13.200 | 91   | 187794   | 19.723  | ug/l   | 98       |
| 83) tert-Butylbenzene         | 13.411 | 119  | 160403   | 17.746  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 13.458 | 105  | 200317   | 18.954  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.594 | 105  | 232322   | 17.891  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.706 | 119  | 189351   | 17.783  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 13.711 | 146  | 109325   | 19.129  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.788 | 146  | 117948   | 19.702  | ug/l   | 99       |
| 89) n-Butylbenzene            | 14.029 | 91   | 180513   | 17.460  | ug/l   | 98       |
| 90) Hexachloroethane          | 14.311 | 117  | 36435    | 18.731  | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene       | 14.082 | 146  | 104500   | 19.430  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropr... | 14.694 | 75   | 18143    | 18.026  | ug/l   | 96       |
| 93) 1,2,4-Trichlorobenzene    | 15.364 | 180  | 56227    | 17.595  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.470 | 225  | 19920    | 17.347  | ug/l   | 97       |
| 95) Naphthalene               | 15.617 | 128  | 185176   | 16.723  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.811 | 180  | 54328    | 17.469  | ug/l   | 99       |

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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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