

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN121625\  
 Data File : VN088519.D  
 Acq On : 16 Dec 2025 11:47  
 Operator : JC\MD  
 Sample : VN1216WBS01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1216WBS01

Quant Time: Dec 17 01:37:20 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

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.200  | 168  | 429040   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.077  | 114  | 850263   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.841 | 117  | 797673   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.765 | 152  | 393597   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |            |      |
|-----------------------------|--------|-------|----------|----------|------------|------|
| System Monitoring Compounds |        |       |          |          |            |      |
| 33) 1,2-Dichloroethane-d4   | 8.559  | 65    | 483893   | 59.871   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | = 119.740% |      |
| 35) Dibromofluoromethane    | 8.147  | 113   | 339184   | 57.564   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | = 115.120% |      |
| 50) Toluene-d8              | 10.541 | 98    | 1218346  | 55.572   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | = 111.140% |      |
| 62) 4-Bromofluorobenzene    | 12.823 | 95    | 443806   | 58.997   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | = 118.000% |      |

|                              |       |     |         |        |        |     |
|------------------------------|-------|-----|---------|--------|--------|-----|
| Target Compounds             |       |     |         |        | Qvalue |     |
| 2) Dichlorodifluoromethane   | 2.142 | 85  | 86308   | 13.393 | ug/l   | 98  |
| 3) Chloromethane             | 2.383 | 50  | 112757  | 16.292 | ug/l   | 92  |
| 4) Vinyl Chloride            | 2.536 | 62  | 106093  | 15.068 | ug/l   | 99  |
| 5) Bromomethane              | 2.983 | 94  | 55776   | 16.459 | ug/l   | 100 |
| 6) Chloroethane              | 3.142 | 64  | 71986   | 16.521 | ug/l   | 93  |
| 7) Trichlorofluoromethane    | 3.518 | 101 | 149602  | 15.117 | ug/l   | 95  |
| 8) Diethyl Ether             | 3.965 | 74  | 70093   | 18.871 | ug/l   | 97  |
| 9) 1,1,2-Trichlorotrifluo... | 4.371 | 101 | 81143   | 15.402 | ug/l   | 96  |
| 10) Methyl Iodide            | 4.583 | 142 | 82303   | 15.781 | ug/l   | 97  |
| 11) Tert butyl alcohol       | 5.512 | 59  | 92145   | 71.409 | ug/l # | 72  |
| 12) 1,1-Dichloroethene       | 4.342 | 96  | 81143   | 15.502 | ug/l   | 89  |
| 13) Acrolein                 | 4.177 | 56  | 74524   | 60.324 | ug/l   | 97  |
| 14) Allyl chloride           | 5.018 | 41  | 154360  | 15.910 | ug/l   | 95  |
| 15) Acrylonitrile            | 5.700 | 53  | 321261  | 86.291 | ug/l   | 100 |
| 16) Acetone                  | 4.424 | 43  | 223631  | 76.508 | ug/l   | 94  |
| 17) Carbon Disulfide         | 4.712 | 76  | 244808  | 14.312 | ug/l   | 99  |
| 18) Methyl Acetate           | 5.012 | 43  | 157830  | 18.140 | ug/l   | 99  |
| 19) Methyl tert-butyl Ether  | 5.777 | 73  | 361298  | 18.423 | ug/l   | 94  |
| 20) Methylene Chloride       | 5.265 | 84  | 117000  | 18.709 | ug/l   | 90  |
| 21) trans-1,2-Dichloroethene | 5.783 | 96  | 96931   | 16.717 | ug/l   | 92  |
| 22) Diisopropyl ether        | 6.653 | 45  | 388414  | 18.752 | ug/l   | 96  |
| 23) Vinyl Acetate            | 6.588 | 43  | 1640259 | 98.290 | ug/l   | 100 |
| 24) 1,1-Dichloroethane       | 6.553 | 63  | 212706  | 18.134 | ug/l   | 99  |
| 25) 2-Butanone               | 7.465 | 43  | 390862  | 83.180 | ug/l   | 98  |
| 26) 2,2-Dichloropropane      | 7.471 | 77  | 174929  | 17.278 | ug/l   | 98  |
| 27) cis-1,2-Dichloroethene   | 7.471 | 96  | 123659  | 18.351 | ug/l   | 97  |
| 28) Bromochloromethane       | 7.794 | 49  | 112604  | 19.271 | ug/l   | 97  |
| 29) Tetrahydrofuran          | 7.818 | 42  | 291051  | 86.353 | ug/l   | 99  |
| 30) Chloroform               | 7.947 | 83  | 222322  | 19.289 | ug/l   | 96  |
| 31) Cyclohexane              | 8.235 | 56  | 155828  | 14.660 | ug/l   | 99  |
| 32) 1,1,1-Trichloroethane    | 8.147 | 97  | 169621  | 16.738 | ug/l   | 97  |
| 36) 1,1-Dichloropropene      | 8.353 | 75  | 126042  | 13.860 | ug/l   | 99  |
| 37) Ethyl Acetate            | 7.541 | 43  | 181572  | 15.185 | ug/l   | 98  |
| 38) Carbon Tetrachloride     | 8.341 | 117 | 138543  | 15.304 | ug/l   | 98  |
| 39) Methylcyclohexane        | 9.582 | 83  | 120468  | 12.385 | ug/l   | 98  |
| 40) Benzene                  | 8.582 | 78  | 446919  | 16.745 | ug/l   | 98  |

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 ALS Vial : 5 Sample Multiplier: 1

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 ClientSampleId :  
 VN1216WBS01

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 Quant Title : SW846 8260  
 QLast Update : Tue Nov 25 01:34:52 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.753  | 41   | 94844    | 16.015  | ug/l   | 97       |
| 42) 1,2-Dichloroethane        | 8.653  | 62   | 180747   | 17.750  | ug/l   | 98       |
| 43) Isopropyl Acetate         | 8.671  | 43   | 286913   | 15.705  | ug/l   | 96       |
| 44) Trichloroethene           | 9.329  | 130  | 95787    | 15.189  | ug/l   | 96       |
| 45) 1,2-Dichloropropane       | 9.594  | 63   | 120453   | 17.615  | ug/l   | 99       |
| 46) Dibromomethane            | 9.688  | 93   | 86300    | 17.684  | ug/l   | 98       |
| 47) Bromodichloromethane      | 9.865  | 83   | 175331   | 17.608  | ug/l   | 100      |
| 48) Methyl methacrylate       | 9.659  | 41   | 132110   | 15.849  | ug/l   | 95       |
| 49) 1,4-Dioxane               | 9.682  | 88   | 30837    | 290.898 | ug/l # | 94       |
| 51) 4-Methyl-2-Pentanone      | 10.424 | 43   | 899329   | 83.516  | ug/l   | 98       |
| 52) Toluene                   | 10.606 | 92   | 264052   | 17.134  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 10.812 | 75   | 172664   | 16.893  | ug/l   | 95       |
| 54) cis-1,3-Dichloropropene   | 10.288 | 75   | 186102   | 17.314  | ug/l   | 95       |
| 55) 1,1,2-Trichloroethane     | 10.994 | 97   | 108856   | 18.256  | ug/l   | 96       |
| 56) Ethyl methacrylate        | 10.853 | 69   | 163263   | 17.334  | ug/l   | 91       |
| 57) 1,3-Dichloropropane       | 11.141 | 76   | 189910   | 17.655  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 10.135 | 63   | 510990   | 94.105  | ug/l   | 100      |
| 59) 2-Hexanone                | 11.176 | 43   | 537130   | 79.181  | ug/l   | 93       |
| 60) Dibromochloromethane      | 11.335 | 129  | 124345   | 18.293  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.447 | 107  | 107227   | 17.759  | ug/l   | 98       |
| 64) Tetrachloroethene         | 11.082 | 164  | 85548    | 13.528  | ug/l   | 88       |
| 65) Chlorobenzene             | 11.865 | 112  | 292382   | 16.318  | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane | 11.935 | 131  | 103176   | 17.074  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.941 | 91   | 469435   | 14.990  | ug/l   | 98       |
| 68) m/p-Xylenes               | 12.047 | 106  | 350668   | 30.202  | ug/l   | 99       |
| 69) o-Xylene                  | 12.376 | 106  | 171047   | 15.452  | ug/l   | 98       |
| 70) Styrene                   | 12.388 | 104  | 295836   | 16.460  | ug/l   | 98       |
| 71) Bromoform                 | 12.553 | 173  | 78586    | 17.755  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.670 | 105  | 418618   | 14.385  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.676 | 43   | 156404m  | 15.781  | ug/l   |          |
| 75) 1,1,2,2-Tetrachloroethane | 12.918 | 83   | 155676   | 16.547  | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane    | 12.970 | 75   | 147862m  | 16.039  | ug/l   |          |
| 77) Bromobenzene              | 12.959 | 156  | 111488   | 16.743  | ug/l   | 96       |
| 78) n-propylbenzene           | 13.012 | 91   | 514564   | 14.453  | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 13.100 | 91   | 320781   | 14.754  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 13.147 | 105  | 356378   | 14.778  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.718 | 75   | 51664    | 15.899  | ug/l # | 95       |
| 82) 4-Chlorotoluene           | 13.200 | 91   | 341501   | 15.814  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 13.412 | 119  | 282473   | 13.779  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.459 | 105  | 374137   | 15.609  | ug/l   | 98       |
| 85) sec-Butylbenzene          | 13.588 | 105  | 413782   | 14.050  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.706 | 119  | 343889   | 14.240  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 13.712 | 146  | 205059   | 15.820  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.788 | 146  | 213378   | 15.715  | ug/l   | 98       |
| 89) n-Butylbenzene            | 14.029 | 91   | 321092   | 13.694  | ug/l   | 99       |
| 90) Hexachloroethane          | 14.306 | 117  | 64907    | 14.713  | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene       | 14.082 | 146  | 197637   | 16.203  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.694 | 75   | 31819    | 13.939  | ug/l   | 97       |
| 93) 1,2,4-Trichlorobenzene    | 15.364 | 180  | 107246   | 14.798  | ug/l   | 97       |
| 94) Hexachlorobutadiene       | 15.470 | 225  | 40476    | 15.542  | ug/l   | 94       |
| 95) Naphthalene               | 15.611 | 128  | 355013   | 14.136  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.811 | 180  | 107476   | 15.238  | ug/l   | 99       |

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Response via : Initial Calibration

| 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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