

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN111725\  
 Data File : VN088292.D  
 Acq On : 17 Nov 2025 10:26  
 Operator : JC\MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

Quant Time: Nov 19 01:10:02 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N102325W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Nov 03 01:16:06 2025  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Amit Patel 11/19/2025  
 Supervised By :Mahesh Dadoda 11/19/2025

| Compound                     | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|---------|--------|----------|
| -----                        |                |      |            |         |        |          |
| Internal Standards           |                |      |            |         |        |          |
| 1) Pentafluorobenzene        | 8.206          | 168  | 261515     | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 9.076          | 114  | 487635     | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.841         | 117  | 426259     | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.770         | 152  | 213799     | 50.000  | ug/l   | 0.00     |
|                              |                |      |            |         |        |          |
| System Monitoring Compounds  |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.559          | 65   | 222084     | 49.110  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 74 - 125 |      | Recovery = | 98.220% |        |          |
| 35) Dibromofluoromethane     | 8.147          | 113  | 155512     | 47.471  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = | 94.940% |        |          |
| 50) Toluene-d8               | 10.541         | 98   | 562388     | 44.553  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 86 - 113 |      | Recovery = | 89.100% |        |          |
| 62) 4-Bromofluorobenzene     | 12.823         | 95   | 195082     | 43.761  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 77 - 121 |      | Recovery = | 87.520% |        |          |
|                              |                |      |            |         |        |          |
| Target Compounds             |                |      |            |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 2.142          | 85   | 133457     | 45.241  | ug/l   | 97       |
| 3) Chloromethane             | 2.383          | 50   | 168382     | 48.519  | ug/l   | 97       |
| 4) Vinyl Chloride            | 2.536          | 62   | 181029     | 47.875  | ug/l   | 99       |
| 5) Bromomethane              | 2.965          | 94   | 95517      | 42.232  | ug/l   | 100      |
| 6) Chloroethane              | 3.130          | 64   | 117414     | 43.098  | ug/l   | 99       |
| 7) Trichlorofluoromethane    | 3.506          | 101  | 270206     | 44.803  | ug/l   | 98       |
| 8) Diethyl Ether             | 3.953          | 74   | 107688     | 48.043  | ug/l   | 94       |
| 9) 1,1,2-Trichlorotrifluo... | 4.365          | 101  | 149100     | 47.910  | ug/l   | 98       |
| 10) Methyl Iodide            | 4.577          | 142  | 145355     | 51.107  | ug/l   | 95       |
| 11) Tert butyl alcohol       | 5.518          | 59   | 206174     | 264.642 | ug/l   | 98       |
| 12) 1,1-Dichloroethene       | 4.336          | 96   | 141924     | 43.178  | ug/l   | 97       |
| 13) Acrolein                 | 4.171          | 56   | 257524     | 293.872 | ug/l   | 100      |
| 14) Allyl chloride           | 5.006          | 41   | 267494     | 46.429  | ug/l   | 99       |
| 15) Acrylonitrile            | 5.700          | 53   | 586749     | 276.489 | ug/l   | 98       |
| 16) Acetone                  | 4.418          | 43   | 616741     | 271.470 | ug/l   | 96       |
| 17) Carbon Disulfide         | 4.700          | 76   | 428302     | 42.865  | ug/l   | 98       |
| 18) Methyl Acetate           | 5.012          | 43   | 278027     | 59.777  | ug/l   | 100      |
| 19) Methyl tert-butyl Ether  | 5.783          | 73   | 618635     | 51.249  | ug/l   | 99       |
| 20) Methylene Chloride       | 5.265          | 84   | 186958     | 49.024  | ug/l   | 97       |
| 21) trans-1,2-Dichloroethene | 5.771          | 96   | 167914     | 46.540  | ug/l   | 98       |
| 22) Diisopropyl ether        | 6.653          | 45   | 656661     | 54.197  | ug/l   | 97       |
| 23) Vinyl Acetate            | 6.588          | 43   | 2951285    | 270.410 | ug/l   | 99       |
| 24) 1,1-Dichloroethane       | 6.547          | 63   | 356229     | 53.076  | ug/l   | 98       |
| 25) 2-Butanone               | 7.465          | 43   | 853933     | 285.217 | ug/l   | 100      |
| 26) 2,2-Dichloropropane      | 7.471          | 77   | 301322     | 49.403  | ug/l   | 98       |
| 27) cis-1,2-Dichloroethene   | 7.465          | 96   | 205682     | 49.520  | ug/l   | 94       |
| 28) Bromochloromethane       | 7.794          | 49   | 166436     | 52.482  | ug/l   | 98       |
| 29) Tetrahydrofuran          | 7.818          | 42   | 536474     | 274.948 | ug/l   | 98       |
| 30) Chloroform               | 7.947          | 83   | 360483     | 53.763  | ug/l   | 98       |
| 31) Cyclohexane              | 8.235          | 56   | 291825     | 46.102  | ug/l   | 97       |
| 32) 1,1,1-Trichloroethane    | 8.147          | 97   | 297049     | 49.742  | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 8.353          | 75   | 237307     | 49.612  | ug/l   | 98       |
| 37) Ethyl Acetate            | 7.541          | 43   | 326590     | 52.909  | ug/l   | 98       |
| 38) Carbon Tetrachloride     | 8.341          | 117  | 254381     | 51.491  | ug/l   | 98       |
| 39) Methylcyclohexane        | 9.576          | 83   | 260173     | 42.316  | ug/l   | 97       |
| 40) Benzene                  | 8.588          | 78   | 739747     | 50.782  | ug/l   | 98       |

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 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
 APPROVED

Reviewed By :Amit Patel 11/19/2025  
 Supervised By :Mahesh Dadoda 11/19/2025

Quant Time: Nov 19 01:10:02 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N102325W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Nov 03 01:16:06 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.759  | 41   | 175828   | 54.121   | ug/l   | 97       |
| 42) 1,2-Dichloroethane        | 8.653  | 62   | 284771   | 55.018   | ug/l   | 100      |
| 43) Isopropyl Acetate         | 8.671  | 43   | 515472   | 54.345   | ug/l   | 99       |
| 44) Trichloroethene           | 9.329  | 130  | 168349   | 49.443   | ug/l   | 96       |
| 45) 1,2-Dichloropropane       | 9.600  | 63   | 198439   | 53.958   | ug/l   | 99       |
| 46) Dibromomethane            | 9.688  | 93   | 138527   | 52.814   | ug/l   | 97       |
| 47) Bromodichloromethane      | 9.865  | 83   | 292649   | 55.728   | ug/l   | 98       |
| 48) Methyl methacrylate       | 9.659  | 41   | 239402   | 54.669   | ug/l   | 98       |
| 49) 1,4-Dioxane               | 9.682  | 88   | 68423    | 1256.282 | ug/l # | 93       |
| 51) 4-Methyl-2-Pentanone      | 10.423 | 43   | 1632763  | 290.979  | ug/l   | 100      |
| 52) Toluene                   | 10.606 | 92   | 450658   | 50.177   | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 10.812 | 75   | 300519   | 53.768   | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 10.288 | 75   | 317298   | 53.500   | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane     | 10.994 | 97   | 179985   | 52.821   | ug/l   | 95       |
| 56) Ethyl methacrylate        | 10.853 | 69   | 295542   | 54.809   | ug/l   | 99       |
| 57) 1,3-Dichloropropane       | 11.141 | 76   | 322353   | 53.822   | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 10.141 | 63   | 860187   | 306.681  | ug/l   | 100      |
| 59) 2-Hexanone                | 11.176 | 43   | 1135758  | 305.116  | ug/l   | 99       |
| 60) Dibromochloromethane      | 11.335 | 129  | 206474   | 53.312   | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.447 | 107  | 181398   | 51.727   | ug/l   | 99       |
| 64) Tetrachloroethene         | 11.082 | 164  | 137881   | 49.039   | ug/l   | 92       |
| 65) Chlorobenzene             | 11.870 | 112  | 478887   | 49.477   | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.935 | 131  | 170355   | 53.722   | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.941 | 91   | 845510   | 49.766   | ug/l   | 100      |
| 68) m/p-Xylenes               | 12.047 | 106  | 637992   | 100.223  | ug/l   | 97       |
| 69) o-Xylene                  | 12.376 | 106  | 304462   | 50.454   | ug/l   | 99       |
| 70) Styrene                   | 12.388 | 104  | 520302   | 52.874   | ug/l   | 98       |
| 71) Bromoform                 | 12.559 | 173  | 129596   | 54.764   | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.670 | 105  | 786363   | 47.688   | ug/l   | 98       |
| 74) N-amyl acetate            | 12.500 | 43   | 239521m  | 51.169   | ug/l   |          |
| 75) 1,1,2,2-Tetrachloroethane | 12.917 | 83   | 265254   | 51.668   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.970 | 75   | 251754m  | 51.503   | ug/l   |          |
| 77) Bromobenzene              | 12.959 | 156  | 181326   | 50.994   | ug/l   | 98       |
| 78) n-propylbenzene           | 13.012 | 91   | 981162   | 48.758   | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 13.106 | 91   | 581845   | 50.701   | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 13.147 | 105  | 670671   | 48.973   | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.712 | 75   | 91691    | 52.326   | ug/l   | 86       |
| 82) 4-Chlorotoluene           | 13.200 | 91   | 600553   | 48.370   | ug/l   | 99       |
| 83) tert-Butylbenzene         | 13.412 | 119  | 574393   | 46.952   | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.459 | 105  | 689759   | 50.340   | ug/l   | 98       |
| 85) sec-Butylbenzene          | 13.594 | 105  | 836483   | 46.539   | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.706 | 119  | 690684   | 47.902   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.711 | 146  | 350942   | 49.439   | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene       | 13.788 | 146  | 363548   | 47.684   | ug/l   | 98       |
| 89) n-Butylbenzene            | 14.035 | 91   | 660332   | 46.234   | ug/l   | 99       |
| 90) Hexachloroethane          | 14.306 | 117  | 133829   | 47.930   | ug/l   | 93       |
| 91) 1,2-Dichlorobenzene       | 14.082 | 146  | 335828   | 49.079   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.700 | 75   | 61415    | 51.397   | ug/l   | 97       |
| 93) 1,2,4-Trichlorobenzene    | 15.364 | 180  | 197962   | 47.771   | ug/l   | 100      |
| 94) Hexachlorobutadiene       | 15.476 | 225  | 71281    | 46.190   | ug/l   | 99       |
| 95) Naphthalene               | 15.611 | 128  | 684815   | 48.239   | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.811 | 180  | 188363   | 47.406   | ug/l   | 98       |

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ALS Vial : 3 Sample Multiplier: 1

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MSVOA\_N  
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Manual Integrations  
APPROVED

Reviewed By :Amit Patel 11/19/2025  
Supervised By :Mahesh Dadoda 11/19/2025

Quant Time: Nov 19 01:10:02 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N102325W.M  
Quant Title : SW846 8260  
QLast Update : Mon Nov 03 01:16:06 2025  
Response via : Initial Calibration

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

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

