Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082925\
Data File : VN087697.D
Acq On : 29 Aug 2025 13:57
Operator : JC\MD
Sample : VN0829MBSD01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 29 22:54:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_N
**ClientSampleId :**
VN0829MBSD01

**Manual Integrations APPROVED**

Reviewed By :John Carlone 09/02/2025
Supervised By :Semsettin Yesilyurt 09/03/2025

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) Pentafluorobenzene | 8.206 | 168 | 197099 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 9.082 | 114 | 389682 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.847 | 117 | 357672 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.770 | 152 | 180345 | 50.000 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.559 | 65 | 185957 | 46.048 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 92.100% | | | |
| 35) Dibromofluoromethane | 8.147 | 113 | 131636 | 46.787 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 93.580% | | | |
| 50) Toluene-d8 | 10.547 | 98 | 479774 | 45.561 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 91.120% | | | |
| 62) 4-Bromofluorobenzene | 12.829 | 95 | 165160 | 44.102 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 88.200% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 2.142 | 85 | 56370 | 20.137 | ug/l | 98 |
| 3) Chloromethane | 2.383 | 50 | 55923 | 19.439 | ug/l | 100 |
| 4) Vinyl Chloride | 2.542 | 62 | 64007 | 19.189 | ug/l | 99 |
| 5) Bromomethane | 2.977 | 94 | 33322 | 19.361 | ug/l | 100 |
| 6) Chloroethane | 3.136 | 64 | 45158 | 19.262 | ug/l | 94 |
| 7) Trichlorofluoromethane | 3.512 | 101 | 96738 | 19.795 | ug/l | 98 |
| 8) Diethyl Ether | 3.959 | 74 | 40915 | 19.224 | ug/l | 95 |
| 9) 1,1,2-Trichlorotrifluo... | 4.371 | 101 | 54823 | 19.826 | ug/l | 98 |
| 10) Methyl Iodide | 4.583 | 142 | 29314 | 19.063 | ug/l # | 93 |
| 11) Tert butyl alcohol | 5.524 | 59 | 68119 | 97.164 | ug/l # | 83 |
| 12) 1,1-Dichloroethene | 4.330 | 96 | 53926 | 18.977 | ug/l # | 85 |
| 13) Acrolein | 4.177 | 56 | 66003 | 76.581 | ug/l | 97 |
| 14) Allyl chloride | 5.012 | 41 | 80974 | 15.724 | ug/l | 95 |
| 15) Acrylonitrile | 5.706 | 53 | 181561 | 91.828 | ug/l | 97 |
| 16) Acetone | 4.418 | 43 | 190995 | 86.881 | ug/l | 95 |
| 17) Carbon Disulfide | 4.700 | 76 | 132242 | 16.904 | ug/l | 96 |
| 18) Methyl Acetate | 5.024 | 43 | 93274 | 20.264 | ug/l | 99 |
| 19) Methyl tert-butyl Ether | 5.794 | 73 | 185502 | 17.401 | ug/l | 98 |
| 20) Methylene Chloride | 5.271 | 84 | 60265 | 18.162 | ug/l | 98 |
| 21) trans-1,2-Dichloroethene | 5.771 | 96 | 52095 | 16.915 | ug/l | 94 |
| 22) Diisopropyl ether | 6.653 | 45 | 197690 | 17.789 | ug/l # | 95 |
| 23) Vinyl Acetate | 6.588 | 43 | 906193 | 89.631 | ug/l | 96 |
| 24) 1,1-Dichloroethane | 6.553 | 63 | 107392 | 17.625 | ug/l | 99 |
| 25) 2-Butanone | 7.471 | 43 | 262798 | 90.865 | ug/l | 95 |
| 26) 2,2-Dichloropropane | 7.471 | 77 | 89769 | 17.166 | ug/l | 98 |
| 27) cis-1,2-Dichloroethene | 7.477 | 96 | 63723 | 17.308 | ug/l | 97 |
| 28) Bromochloromethane | 7.800 | 49 | 54639 | 18.549 | ug/l | 99 |
| 29) Tetrahydrofuran | 7.824 | 42 | 173812 | 93.383 | ug/l | 96 |
| 30) Chloroform | 7.953 | 83 | 113878 | 18.311 | ug/l | 93 |
| 31) Cyclohexane | 8.235 | 56 | 92195 | 18.151 | ug/l | 95 |
| 32) 1,1,1-Trichloroethane | 8.153 | 97 | 94983 | 18.022 | ug/l | 99 |
| 36) 1,1-Dichloropropene | 8.353 | 75 | 73450 | 17.017 | ug/l | 99 |
| 37) Ethyl Acetate | 7.547 | 43 | 102097 | 17.310 | ug/l | 98 |
| 38) Carbon Tetrachloride | 8.341 | 117 | 77747 | 18.244 | ug/l | 99 |
| 39) Methylcyclohexane | 9.582 | 83 | 82246 | 17.308 | ug/l | 96 |
| 40) Benzene | 8.588 | 78 | 233140 | 17.611 | ug/l | 97 |

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_N
**ClientSampleId :**
VN0829MBSD01

**Manual Integrations APPROVED**

Reviewed By :John Carlone 09/02/2025
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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 7.765 | 41 | 52031 | 17.030 | ug/l | | 95 |
| 42) 1,2-Dichloroethane | 8.653 | 62 | 92903 | 18.262 | ug/l | | 99 |
| 43) Isopropyl Acetate | 8.671 | 43 | 168732 | 18.324 | ug/l | | 99 |
| 44) Trichloroethene | 9.335 | 130 | 54393 | 17.996 | ug/l | | 85 |
| 45) 1,2-Dichloropropane | 9.600 | 63 | 59666 | 17.098 | ug/l | | 93 |
| 46) Dibromomethane | 9.694 | 93 | 45909 | 18.488 | ug/l | | 97 |
| 47) Bromodichloromethane | 9.871 | 83 | 92742 | 18.223 | ug/l | # | 98 |
| 48) Methyl methacrylate | 9.665 | 41 | 78213 | 17.957 | ug/l | | 98 |
| 49) 1,4-Dioxane | 9.682 | 88 | 23262 | 412.045 | ug/l | # | 99 |
| 51) 4-Methyl-2-Pentanone | 10.429 | 43 | 526264 | 94.723 | ug/l | | 99 |
| 52) Toluene | 10.612 | 92 | 143000 | 17.424 | ug/l | | 100 |
| 53) t-1,3-Dichloropropene | 10.818 | 75 | 94368 | 17.914 | ug/l | | 97 |
| 54) cis-1,3-Dichloropropene | 10.294 | 75 | 95666 | 17.490 | ug/l | | 95 |
| 55) 1,1,2-Trichloroethane | 11.000 | 97 | 58236 | 18.343 | ug/l | | 98 |
| 56) Ethyl methacrylate | 10.853 | 69 | 86258 | 17.000 | ug/l | | 97 |
| 57) 1,3-Dichloropropane | 11.147 | 76 | 101449 | 18.055 | ug/l | | 97 |
| 58) 2-Chloroethyl Vinyl ether | 10.141 | 63 | 249685 | 90.918 | ug/l | | 99 |
| 59) 2-Hexanone | 11.182 | 43 | 321102 | 91.449 | ug/l | | 100 |
| 60) Dibromochloromethane | 11.341 | 129 | 63960 | 17.386 | ug/l | | 98 |
| 61) 1,2-Dibromoethane | 11.447 | 107 | 58477 | 17.468 | ug/l | | 98 |
| 64) Tetrachloroethene | 11.082 | 164 | 43051 | 17.349 | ug/l | | 95 |
| 65) Chlorobenzene | 11.870 | 112 | 153370 | 17.236 | ug/l | | 97 |
| 66) 1,1,1,2-Tetrachloroethane | 11.941 | 131 | 53342 | 18.057 | ug/l | | 95 |
| 67) Ethyl Benzene | 11.941 | 91 | 271225 | 17.604 | ug/l | | 100 |
| 68) m/p-Xylenes | 12.053 | 106 | 198230 | 35.083 | ug/l | | 99 |
| 69) o-Xylene | 12.376 | 106 | 95878 | 17.315 | ug/l | | 99 |
| 70) Styrene | 12.394 | 104 | 164513 | 17.734 | ug/l | | 99 |
| 71) Bromoform | 12.559 | 173 | 42183 | 18.619 | ug/l | # | 97 |
| 73) Isopropylbenzene | 12.676 | 105 | 252905 | 17.354 | ug/l | | 99 |
| 74) N-amyl acetate | 12.565 | 43 | 94039m | 17.028 | ug/l | | |
| 75) 1,1,2,2-Tetrachloroethane | 12.917 | 83 | 93795 | 18.694 | ug/l | | 99 |
| 76) 1,2,3-Trichloropropane | 12.970 | 75 | 79399m | 18.774 | ug/l | | |
| 77) Bromobenzene | 12.959 | 156 | 61109 | 17.785 | ug/l | | 98 |
| 78) n-propylbenzene | 13.012 | 91 | 317523 | 17.689 | ug/l | | 100 |
| 79) 2-Chlorotoluene | 13.106 | 91 | 185834 | 17.203 | ug/l | | 99 |
| 80) 1,3,5-Trimethylbenzene | 13.153 | 105 | 219622 | 17.765 | ug/l | | 99 |
| 81) trans-1,4-Dichloro-2-b... | 12.723 | 75 | 24944 | 15.614 | ug/l | | 93 |
| 82) 4-Chlorotoluene | 13.200 | 91 | 198858 | 17.509 | ug/l | | 100 |
| 83) tert-Butylbenzene | 13.417 | 119 | 184316 | 17.891 | ug/l | | 100 |
| 84) 1,2,4-Trimethylbenzene | 13.464 | 105 | 219242 | 17.716 | ug/l | | 100 |
| 85) sec-Butylbenzene | 13.594 | 105 | 275730 | 18.036 | ug/l | | 99 |
| 86) p-Isopropyltoluene | 13.706 | 119 | 227954 | 18.057 | ug/l | | 99 |
| 87) 1,3-Dichlorobenzene | 13.711 | 146 | 118251 | 17.476 | ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 13.788 | 146 | 119997 | 17.041 | ug/l | | 97 |
| 89) n-Butylbenzene | 14.035 | 91 | 229454 | 18.301 | ug/l | | 98 |
| 90) Hexachloroethane | 14.306 | 117 | 43901 | 18.253 | ug/l | | 97 |
| 91) 1,2-Dichlorobenzene | 14.088 | 146 | 116567 | 18.158 | ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 14.700 | 75 | 20757 | 17.415 | ug/l | | 96 |
| 93) 1,2,4-Trichlorobenzene | 15.370 | 180 | 68026 | 17.647 | ug/l | | 99 |
| 94) Hexachlorobutadiene | 15.476 | 225 | 27568 | 20.060 | ug/l | | 93 |
| 95) Naphthalene | 15.617 | 128 | 235294 | 17.233 | ug/l | | 100 |
| 96) 1,2,3-Trichlorobenzene | 15.811 | 180 | 67508 | 17.914 | ug/l | | 98 |

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**Instrument :**
MSVOA_N
**ClientSampleId :**
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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

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

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MSVOA_N
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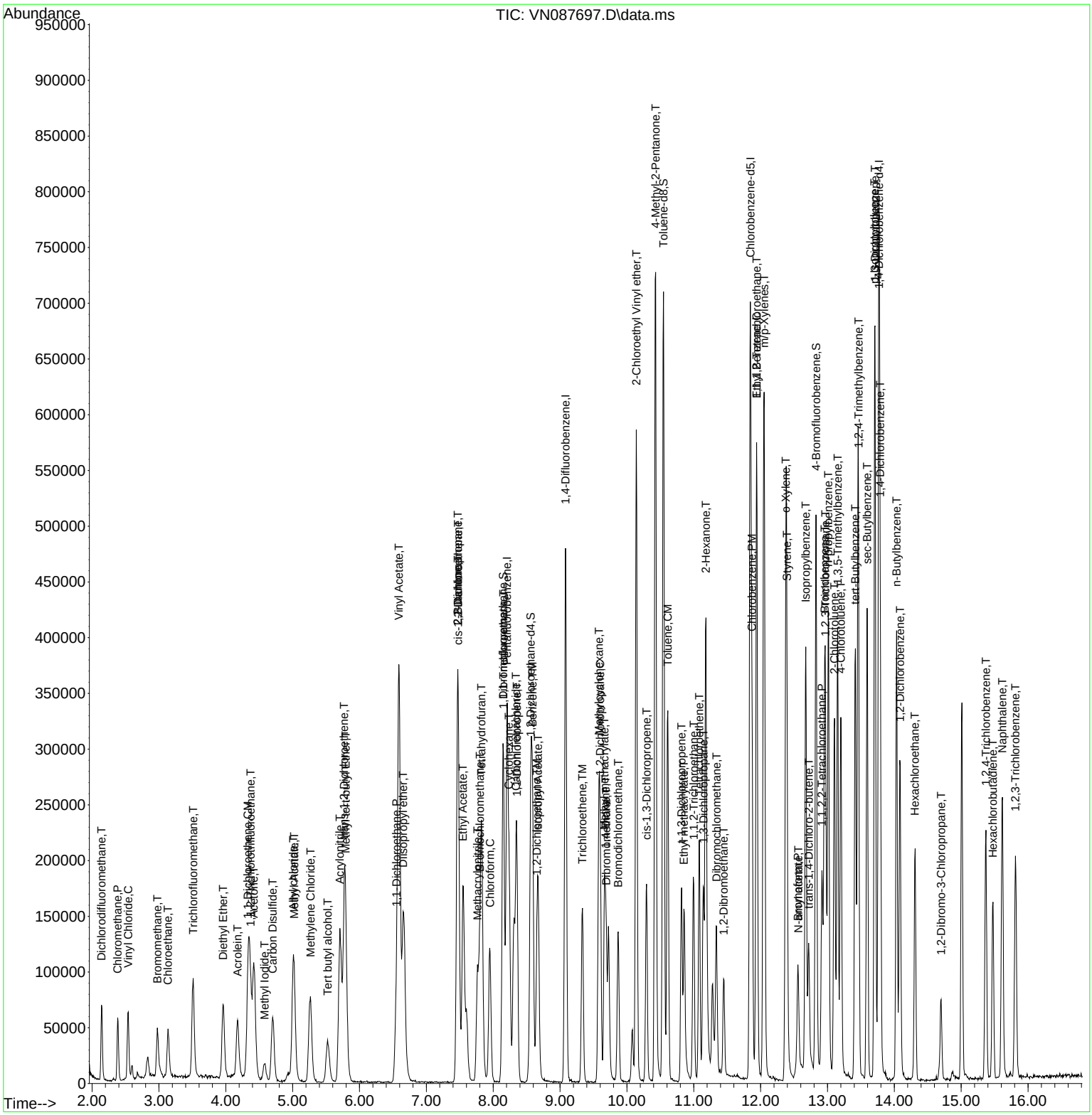
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