Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080625\
Data File : VN087472.D
Acq On : 06 Aug 2025 11:29
Operator : JC\MD
Sample : Q2771-02MS
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 07 03:34:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 06 02:01:21 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_N
**ClientSampleId :**
001-WILLETS-PT-BLVD(JUNE)MS

**Manual Integrations APPROVED**
Reviewed By :John Carlone 08/07/2025
Supervised By :Mahesh Dadoda 08/07/2025

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) Bromochloromethane | 7.806 | 128 | 60796 | 30.000 | ug/l | 0.00 |
| 28) 1,4-Difluorobenzene | 9.082 | 114 | 340295 | 30.000 | ug/l | 0.00 |
| 57) Chlorobenzene-d5 | 11.847 | 117 | 305198 | 30.000 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 27) 1,2-Dichloroethane-d4 | 8.565 | 65 | 170306 | 30.371 | ug/l | 0.00 |
| Spiked Amount 30.000 | Range 91 - 110 | | Recovery = 101.233% | | | |
| 60) 4-Bromofluorobenzene | 12.829 | 95 | 154297 | 29.377 | ug/l | 0.00 |
| Spiked Amount 30.000 | Range 63 - 112 | | Recovery = 97.933% | | | |
| 63) Toluene-d8 | 10.547 | 98 | 420269 | 29.928 | ug/l | 0.00 |
| Spiked Amount 30.000 | Range 91 - 112 | | Recovery = 99.767% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 2.142 | 85 | 90591 | 22.823 | ug/l | 99 |
| 3) Chloromethane | 2.389 | 50 | 89504 | 21.978 | ug/l | 98 |
| 4) Vinyl Chloride | 2.536 | 62 | 99846 | 23.116 | ug/l | 98 |
| 5) Bromomethane | 2.983 | 94 | 50668 | 21.672 | ug/l | 98 |
| 6) Chloroethane | 3.142 | 64 | 62613 | 22.480 | ug/l | 96 |
| 7) Trichlorofluoromethane | 3.512 | 101 | 141739 | 22.801 | ug/l | 97 |
| 8) Diethyl Ether | 3.959 | 74 | 54662 | 21.107 | ug/l | 96 |
| 9) 1,1,2-Trichlorotrifluo... | 4.371 | 101 | 72850 | 22.981 | ug/l | 87 |
| 10) 1,1-Dichloroethene | 4.341 | 96 | 74418 | 22.349 | ug/l | 90 |
| 11) Methyl Iodide | 4.577 | 142 | 47051 | 17.946 | ug/l | 87 |
| 12) Methyl Acetate | 5.018 | 43 | 125554 | 20.433 | ug/l | 96 |
| 13) Acrolein | 4.177 | 56 | 118274 | 126.025 | ug/l | 93 |
| 14) Acrylonitrile | 5.712 | 53 | 273285 | 101.852 | ug/l | 98 |
| 15) Acetone | 4.424 | 58 | 77646 | 101.281 | ug/l | 99 |
| 16) Carbon Disulfide | 4.706 | 76 | 218690 | 21.173 | ug/l | 99 |
| 17) Allyl chloride | 5.018 | 41 | 141664 | 20.873 | ug/l | 92 |
| 18) Methylene Chloride | 5.265 | 84 | 88622 | 20.674 | ug/l | 94 |
| 19) trans-1,2-Dichloroethene | 5.777 | 96 | 83250 | 21.025 | ug/l | 91 |
| 20) Diisopropyl ether | 6.659 | 45 | 331843 | 21.463 | ug/l | 97 |
| 21) 1,1-Dichloroethane | 6.559 | 63 | 170156 | 21.291 | ug/l | 100 |
| 22) cis-1,2-Dichloroethene | 7.477 | 96 | 102898 | 21.120 | ug/l | 98 |
| 23) tert-Butyl Alcohol | 5.518 | 59 | 111599 | 97.882 | ug/l # | 100 |
| 24) Methyl tert-Butyl Ether | 5.788 | 73 | 313456 | 20.659 | ug/l | 100 |
| 25) Chloroform | 7.947 | 83 | 311980 | 37.398 | ug/l | 97 |
| 26) Cyclohexane | 8.241 | 56 | 149148 | 23.309 | ug/l # | 99 |
| 29) 1,1-Dichloropropene | 8.353 | 75 | 121053 | 21.810 | ug/l | 98 |
| 30) 2-Butanone | 7.471 | 43 | 420773 | 102.849 | ug/l | 98 |
| 31) 2,2-Dichloropropane | 7.477 | 77 | 156698 | 21.890 | ug/l | 99 |
| 32) 1,1,1-Trichloroethane | 8.147 | 97 | 152521 | 21.546 | ug/l | 96 |
| 33) Carbon Tetrachloride | 8.347 | 117 | 125739 | 21.382 | ug/l | 97 |
| 34) Benzene | 8.588 | 78 | 367611 | 20.982 | ug/l | 99 |
| 35) Methacrylonitrile | 7.759 | 41 | 89552 | 20.284 | ug/l | 92 |
| 36) 1,2-Dichloroethane | 8.653 | 62 | 150034 | 21.187 | ug/l | 98 |
| 37) Trichloroethene | 9.335 | 130 | 81289 | 21.063 | ug/l | 86 |
| 38) Methylcyclohexane | 9.582 | 83 | 142369 | 22.111 | ug/l | 98 |
| 39) 1,2-Dichloropropane | 9.606 | 63 | 95303 | 21.216 | ug/l | 98 |
| 40) Dibromomethane | 9.694 | 93 | 68939 | 20.454 | ug/l | 96 |
| 41) Bromodichloromethane | 9.865 | 83 | 155224 | 22.164 | ug/l | 93 |
| 42) Vinyl Acetate | 6.588 | 43 | 1413435 | 104.909 | ug/l | 100 |

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MSVOA_N
**ClientSampleId :**
001-WILLETS-PT-BLVD(JUNE)MS

**Manual Integrations APPROVED**
Reviewed By :John Carlone 08/07/2025
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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 43) Ethyl Acetate | 7.547 | 43 | 172213 | 21.789 | ug/l | | 98 |
| 44) Isopropyl Acetate | 8.671 | 43 | 282005 | 21.049 | ug/l | | 98 |
| 45) 1,4-Dioxane | 9.682 | 88 | 32916 | 385.393 | ug/l | | 86 |
| 46) Methyl methacrylate | 9.665 | 41 | 140367 | 22.196 | ug/l | | 90 |
| 47) n-amyl Acetate | 12.523 | 43 | 167948m | 22.692 | ug/l | | |
| 48) t-1,3-Dichloropropene | 10.818 | 75 | 154203 | 20.238 | ug/l | | 100 |
| 49) cis-1,3-Dichloropropene | 10.294 | 75 | 159910 | 20.854 | ug/l | | 97 |
| 50) 1,1,2-Trichloroethane | 11.000 | 97 | 89585 | 21.038 | ug/l | | 99 |
| 51) Ethyl methacrylate | 10.859 | 69 | 155002 | 20.668 | ug/l | | 95 |
| 52) 1,3-Dichloropropane | 11.141 | 76 | 159602 | 20.804 | ug/l | | 98 |
| 53) Dibromochloromethane | 11.341 | 129 | 102043 | 20.750 | ug/l | | 100 |
| 54) 1,2-Dibromoethane | 11.447 | 107 | 91400 | 20.219 | ug/l | | 98 |
| 55) 2-Chloroethyl vinyl ether | 10.141 | 63 | 12831 | 3.250 | ug/l | | 97 |
| 56) Bromoform | 12.559 | 173 | 67854 | 20.860 | ug/l | # | 95 |
| 58) 4-Methyl-2-Pentanone | 10.429 | 43 | 829539 | 105.659 | ug/l | | 99 |
| 59) 2-Hexanone | 11.176 | 43 | 544369 | 102.048 | ug/l | | 99 |
| 61) Tetrachloroethene | 11.088 | 164 | 62536 | 21.032 | ug/l | | 97 |
| 62) Toluene | 10.612 | 91 | 493437 | 26.195 | ug/l | | 99 |
| 64) Chlorobenzene | 11.870 | 112 | 240342 | 20.765 | ug/l | | 97 |
| 65) 1,1,1,2-Tetrachloroethane | 11.941 | 131 | 83586 | 20.540 | ug/l | | 99 |
| 66) Ethyl Benzene | 11.941 | 91 | 443335 | 21.116 | ug/l | | 99 |
| 67) m/p-Xylenes | 12.053 | 106 | 322787 | 41.885 | ug/l | | 99 |
| 68) o-Xylene | 12.376 | 106 | 159889 | 21.089 | ug/l | | 97 |
| 69) Styrene | 12.394 | 104 | 265248 | 20.489 | ug/l | | 97 |
| 70) Isopropylbenzene | 12.676 | 105 | 413511 | 21.468 | ug/l | | 100 |
| 71) 1,1,2,2-Tetrachloroethane | 12.917 | 83 | 141486 | 21.438 | ug/l | | 99 |
| 72) 1,2,3-Trichloropropane | 12.970 | 75 | 121875m | 19.823 | ug/l | | |
| 73) Bromobenzene | 12.959 | 156 | 91617 | 20.518 | ug/l | | 100 |
| 74) n-propylbenzene | 13.017 | 91 | 513325 | 21.339 | ug/l | | 99 |
| 75) 2-Chlorotoluene | 13.100 | 91 | 313293 | 21.172 | ug/l | | 100 |
| 76) 1,3,5-Trimethylbenzene | 13.153 | 105 | 347393 | 21.064 | ug/l | | 99 |
| 77) t-1,4-Dichloro-2-butene | 12.717 | 75 | 45176 | 19.410 | ug/l | | 88 |
| 78) 4-Chlorotoluene | 13.200 | 91 | 320861 | 21.397 | ug/l | | 97 |
| 79) tert-butylbenzene | 13.417 | 119 | 299511 | 21.540 | ug/l | | 99 |
| 80) 1,2,4-Trimethylbenzene | 13.459 | 105 | 361704 | 21.948 | ug/l | | 96 |
| 81) sec-Butylbenzene | 13.594 | 105 | 441857 | 21.828 | ug/l | | 99 |
| 82) p-Isopropyltoluene | 13.706 | 119 | 361120 | 21.485 | ug/l | | 99 |
| 83) 1,3-Dichlorobenzene | 13.711 | 146 | 180718 | 21.253 | ug/l | | 99 |
| 84) 1,4-Dichlorobenzene | 13.788 | 146 | 182544 | 21.175 | ug/l | | 99 |
| 85) n-Butylbenzene | 14.035 | 91 | 359604 | 21.868 | ug/l | | 98 |
| 86) Hexachloroethane | 14.311 | 117 | 68550 | 20.885 | ug/l | | 99 |
| 87) 1,2-Dichlorobenzene | 14.082 | 146 | 172125 | 21.207 | ug/l | | 100 |
| 88) 1,2-Dibromo-3-Chloropr... | 14.694 | 75 | 34798 | 20.813 | ug/l | | 95 |
| 89) 1,2,4-Trichlorobenzene | 15.811 | 180 | 97786 | 20.159 | ug/l | | 99 |
| 90) Hexachlorobutadiene | 15.476 | 225 | 41274 | 21.882 | ug/l | | 97 |
| 91) Naphthalene | 15.611 | 128 | 375746 | 20.315 | ug/l | | 99 |
| 92) 1,2,3-Trichlorobenzene | 15.811 | 180 | 97786 | 20.159 | ug/l | | 99 |

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

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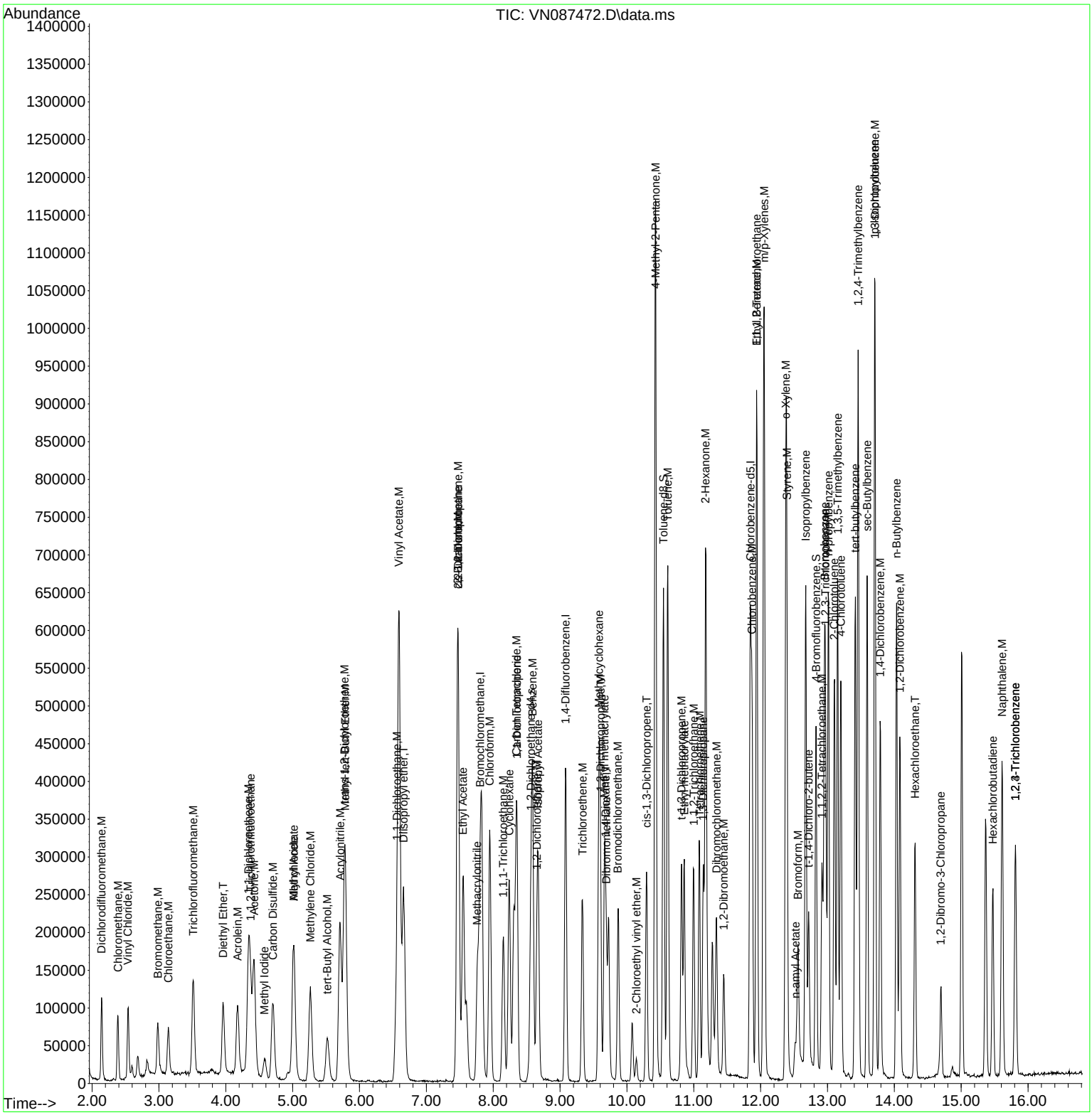
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