

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN061725\  
 Data File : VN087072.D  
 Acq On : 17 Jun 2025 19:43  
 Operator : JC\MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/18/2025  
 Supervised By :Mahesh Dadoda 06/18/2025

Quant Time: Jun 18 01:55:24 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N060625W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jun 07 02:12:50 2025  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|---------|--------|----------|
| -----                        |                |      |            |         |        |          |
| Internal Standards           |                |      |            |         |        |          |
| 1) Pentafluorobenzene        | 8.230          | 168  | 167531     | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 9.106          | 114  | 306106     | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.865         | 117  | 265997     | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.788         | 152  | 131413     | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.583          | 65   | 96562      | 43.049  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 74 - 125 |      | Recovery = | 86.100% |        |          |
| 35) Dibromofluoromethane     | 8.171          | 113  | 85268      | 47.004  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = | 94.000% |        |          |
| 50) Toluene-d8               | 10.565         | 98   | 315347     | 43.912  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 86 - 113 |      | Recovery = | 87.820% |        |          |
| 62) 4-Bromofluorobenzene     | 12.847         | 95   | 118929     | 44.575  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 77 - 121 |      | Recovery = | 89.140% |        |          |
| Target Compounds             |                |      |            |         |        |          |
|                              |                |      |            |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 2.154          | 85   | 87392      | 52.318  | ug/l   | 98       |
| 3) Chloromethane             | 2.395          | 50   | 95478      | 44.264  | ug/l   | 99       |
| 4) Vinyl Chloride            | 2.554          | 62   | 121364     | 54.544  | ug/l   | 97       |
| 5) Bromomethane              | 2.995          | 94   | 62314      | 50.045  | ug/l   | 98       |
| 6) Chloroethane              | 3.154          | 64   | 77262      | 53.756  | ug/l   | 94       |
| 7) Trichlorofluoromethane    | 3.530          | 101  | 155166     | 53.374  | ug/l   | 100      |
| 8) Diethyl Ether             | 3.983          | 74   | 66870      | 52.794  | ug/l   | 95       |
| 9) 1,1,2-Trichlorotrifluo... | 4.395          | 101  | 94617      | 51.804  | ug/l   | 99       |
| 10) Methyl Iodide            | 4.612          | 142  | 77912      | 32.907  | ug/l   | 95       |
| 11) Tert butyl alcohol       | 5.536          | 59   | 137228     | 225.470 | ug/l   | 100      |
| 12) 1,1-Dichloroethene       | 4.371          | 96   | 100395     | 53.841  | ug/l   | 96       |
| 13) Acrolein                 | 4.206          | 56   | 75941      | 394.185 | ug/l   | 99       |
| 14) Allyl chloride           | 5.048          | 41   | 144068     | 46.587  | ug/l   | 96       |
| 15) Acrylonitrile            | 5.736          | 53   | 345548     | 242.901 | ug/l   | 99       |
| 16) Acetone                  | 4.448          | 43   | 259437     | 218.104 | ug/l   | 93       |
| 17) Carbon Disulfide         | 4.742          | 76   | 289711     | 56.169  | ug/l   | 100      |
| 18) Methyl Acetate           | 5.048          | 43   | 143655     | 41.442  | ug/l   | 96       |
| 19) Methyl tert-butyl Ether  | 5.812          | 73   | 343279     | 50.844  | ug/l   | 99       |
| 20) Methylene Chloride       | 5.300          | 84   | 111875     | 50.236  | ug/l   | 96       |
| 21) trans-1,2-Dichloroethene | 5.812          | 96   | 106782     | 51.471  | ug/l   | 96       |
| 22) Diisopropyl ether        | 6.689          | 45   | 310324     | 47.606  | ug/l   | 97       |
| 23) Vinyl Acetate            | 6.618          | 43   | 1377448    | 250.103 | ug/l   | 98       |
| 24) 1,1-Dichloroethane       | 6.583          | 63   | 192690     | 51.366  | ug/l   | 99       |
| 25) 2-Butanone               | 7.489          | 43   | 432033     | 223.445 | ug/l   | 96       |
| 26) 2,2-Dichloropropane      | 7.500          | 77   | 144032     | 49.359  | ug/l   | 98       |
| 27) cis-1,2-Dichloroethene   | 7.494          | 96   | 129711     | 52.279  | ug/l   | 97       |
| 28) Bromochloromethane       | 7.818          | 49   | 79087      | 42.878  | ug/l   | 93       |
| 29) Tetrahydrofuran          | 7.847          | 42   | 285560     | 226.717 | ug/l   | 94       |
| 30) Chloroform               | 7.977          | 83   | 191328     | 51.071  | ug/l   | 99       |
| 31) Cyclohexane              | 8.265          | 56   | 166881     | 45.871  | ug/l   | 93       |
| 32) 1,1,1-Trichloroethane    | 8.177          | 97   | 160982     | 50.523  | ug/l   | 96       |
| 36) 1,1-Dichloropropene      | 8.383          | 75   | 141500     | 52.347  | ug/l   | 99       |
| 37) Ethyl Acetate            | 7.571          | 43   | 165471     | 48.087  | ug/l   | 99       |
| 38) Carbon Tetrachloride     | 8.371          | 117  | 137539     | 51.827  | ug/l   | 98       |
| 39) Methylcyclohexane        | 9.606          | 83   | 160557     | 43.354  | ug/l   | 95       |
| 40) Benzene                  | 8.612          | 78   | 454862     | 51.459  | ug/l   | 99       |

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 Data File : VN087072.D  
 Acq On : 17 Jun 2025 19:43  
 Operator : JC\MD  
 Sample : VSTDC0050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDC0050EC

Manual Integrations  
 APPROVED

Reviewed By : Semsettin Yesilyurt 06/18/2025  
 Supervised By : Mahesh Dadoda 06/18/2025

Quant Time: Jun 18 01:55:24 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N060625W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jun 07 02:12:50 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.783  | 41   | 86338    | 44.676   | ug/l   | 93       |
| 42) 1,2-Dichloroethane        | 8.677  | 62   | 133634   | 49.844   | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.694  | 43   | 252941   | 45.798   | ug/l   | 96       |
| 44) Trichloroethene           | 9.359  | 130  | 110988   | 52.953   | ug/l   | 97       |
| 45) 1,2-Dichloropropane       | 9.624  | 63   | 110409   | 51.342   | ug/l   | 99       |
| 46) Dibromomethane            | 9.712  | 93   | 76868    | 53.815   | ug/l   | 99       |
| 47) Bromodichloromethane      | 9.888  | 83   | 148705   | 50.600   | ug/l   | 99       |
| 48) Methyl methacrylate       | 9.683  | 41   | 115606   | 45.478   | ug/l   | 94       |
| 49) 1,4-Dioxane               | 9.700  | 88   | 47314    | 1023.116 | ug/l # | 97       |
| 51) 4-Methyl-2-Pentanone      | 10.447 | 43   | 785897   | 236.369  | ug/l   | 97       |
| 52) Toluene                   | 10.630 | 92   | 280299   | 51.889   | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 10.835 | 75   | 167848   | 51.076   | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 10.312 | 75   | 182228   | 51.826   | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane     | 11.018 | 97   | 106560   | 51.266   | ug/l   | 99       |
| 56) Ethyl methacrylate        | 10.882 | 69   | 173955   | 52.544   | ug/l   | 93       |
| 57) 1,3-Dichloropropane       | 11.165 | 76   | 182424   | 50.593   | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 10.159 | 63   | 473770   | 239.927  | ug/l   | 98       |
| 59) 2-Hexanone                | 11.200 | 43   | 521841   | 243.662  | ug/l   | 93       |
| 60) Dibromochloromethane      | 11.359 | 129  | 116451   | 53.772   | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.471 | 107  | 112872   | 52.979   | ug/l   | 97       |
| 64) Tetrachloroethene         | 11.106 | 164  | 85369    | 50.712   | ug/l   | 96       |
| 65) Chlorobenzene             | 11.888 | 112  | 308637   | 52.609   | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 11.959 | 131  | 100286   | 53.179   | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.965 | 91   | 513967   | 50.862   | ug/l   | 99       |
| 68) m/p-Xylenes               | 12.071 | 106  | 404997   | 104.697  | ug/l   | 99       |
| 69) o-Xylene                  | 12.394 | 106  | 195732   | 52.832   | ug/l   | 97       |
| 70) Styrene                   | 12.412 | 104  | 336415   | 53.066   | ug/l   | 99       |
| 71) Bromoform                 | 12.576 | 173  | 77185    | 55.239   | ug/l # | 100      |
| 73) Isopropylbenzene          | 12.694 | 105  | 475717   | 49.691   | ug/l   | 99       |
| 74) N-amyl acetate            | 12.518 | 43   | 167180m  | 49.973   | ug/l   |          |
| 75) 1,1,2,2-Tetrachloroethane | 12.935 | 83   | 166164   | 51.233   | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane    | 12.994 | 75   | 137668m  | 44.072   | ug/l   |          |
| 77) Bromobenzene              | 12.982 | 156  | 117013   | 53.296   | ug/l   | 96       |
| 78) n-propylbenzene           | 13.035 | 91   | 557066   | 47.881   | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 13.124 | 91   | 340654   | 48.823   | ug/l   | 97       |
| 80) 1,3,5-Trimethylbenzene    | 13.171 | 105  | 383774   | 48.554   | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 12.735 | 75   | 61410    | 45.254   | ug/l   | 97       |
| 82) 4-Chlorotoluene           | 13.218 | 91   | 351028   | 49.722   | ug/l   | 98       |
| 83) tert-Butylbenzene         | 13.435 | 119  | 327812   | 45.308   | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene    | 13.482 | 105  | 391683   | 49.418   | ug/l   | 100      |
| 85) sec-Butylbenzene          | 13.612 | 105  | 464024   | 44.163   | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.729 | 119  | 390433   | 44.952   | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 13.729 | 146  | 221199   | 51.207   | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene       | 13.812 | 146  | 224947   | 51.077   | ug/l   | 100      |
| 89) n-Butylbenzene            | 14.053 | 91   | 338323   | 40.215   | ug/l   | 99       |
| 90) Hexachloroethane          | 14.329 | 117  | 68814    | 46.741   | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene       | 14.106 | 146  | 215082   | 51.826   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.718 | 75   | 37100    | 47.831   | ug/l   | 95       |
| 93) 1,2,4-Trichlorobenzene    | 15.388 | 180  | 116242   | 43.863   | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.494 | 225  | 36461    | 36.928   | ug/l   | 98       |
| 95) Naphthalene               | 15.635 | 128  | 474700   | 48.124   | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.835 | 180  | 113176   | 42.984   | ug/l   | 99       |

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Operator : JC\MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 06/18/2025  
Supervised By :Mahesh Dadoda 06/18/2025

Quant Time: Jun 18 01:55:24 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N060625W.M  
Quant Title : SW846 8260  
QLast Update : Sat Jun 07 02:12:50 2025  
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

