

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN071625\  
 Data File : VN087331.D  
 Acq On : 16 Jul 2025 18:11  
 Operator : JC\MD  
 Sample : VSTDICCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICCC050

Manual Integrations  
 APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025  
 Supervised By :Semsettin Yesilyurt 07/17/2025

Quant Time: Jul 17 02:19:33 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N071625W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jul 17 02:09:29 2025  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|----------|--------|----------|
| -----                        |                |      |            |          |        |          |
| Internal Standards           |                |      |            |          |        |          |
| 1) Pentafluorobenzene        | 8.212          | 168  | 182792     | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 9.082          | 114  | 325711     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.847         | 117  | 300150     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.770         | 152  | 158477     | 50.000   | ug/l   | 0.00     |
|                              |                |      |            |          |        |          |
| System Monitoring Compounds  |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.565          | 65   | 146559     | 47.253   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 74 - 125 |      | Recovery = | 94.500%  |        |          |
| 35) Dibromofluoromethane     | 8.147          | 113  | 108271     | 48.190   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = | 96.380%  |        |          |
| 50) Toluene-d8               | 10.547         | 98   | 398776     | 49.757   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 86 - 113 |      | Recovery = | 99.520%  |        |          |
| 62) 4-Bromofluorobenzene     | 12.829         | 95   | 148158     | 50.037   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 77 - 121 |      | Recovery = | 100.080% |        |          |
|                              |                |      |            |          |        |          |
| Target Compounds             |                |      |            |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 2.142          | 85   | 113853     | 58.643   | ug/l   | 100      |
| 3) Chloromethane             | 2.383          | 50   | 126054     | 51.631   | ug/l   | 100      |
| 4) Vinyl Chloride            | 2.542          | 62   | 132985     | 54.810   | ug/l   | 100      |
| 5) Bromomethane              | 2.971          | 94   | 64982      | 51.719   | ug/l   | 100      |
| 6) Chloroethane              | 3.130          | 64   | 80606      | 50.942   | ug/l   | 100      |
| 7) Trichlorofluoromethane    | 3.506          | 101  | 187302     | 52.206   | ug/l   | 100      |
| 8) Diethyl Ether             | 3.959          | 74   | 72151      | 51.843   | ug/l   | 100      |
| 9) 1,1,2-Trichlorotrifluo... | 4.359          | 101  | 95895      | 52.068   | ug/l   | 100      |
| 10) Methyl Iodide            | 4.577          | 142  | 90277      | 47.912   | ug/l   | 100      |
| 11) Tert butyl alcohol       | 5.524          | 59   | 146939     | 249.504  | ug/l   | 100      |
| 12) 1,1-Dichloroethene       | 4.330          | 96   | 99569      | 47.708   | ug/l   | 100      |
| 13) Acrolein                 | 4.177          | 56   | 110711     | 234.247  | ug/l   | 100      |
| 14) Allyl chloride           | 5.012          | 41   | 183089     | 48.475   | ug/l   | 100      |
| 15) Acrylonitrile            | 5.712          | 53   | 414273     | 259.227  | ug/l   | 100      |
| 16) Acetone                  | 4.424          | 43   | 353373     | 240.328  | ug/l   | 100      |
| 17) Carbon Disulfide         | 4.694          | 76   | 316833     | 51.205   | ug/l   | 100      |
| 18) Methyl Acetate           | 5.012          | 43   | 181199     | 49.594   | ug/l   | 100      |
| 19) Methyl tert-butyl Ether  | 5.788          | 73   | 396133     | 51.495   | ug/l   | 100      |
| 20) Methylene Chloride       | 5.259          | 84   | 122921     | 50.001   | ug/l   | 100      |
| 21) trans-1,2-Dichloroethene | 5.771          | 96   | 119278     | 50.687   | ug/l   | 100      |
| 22) Diisopropyl ether        | 6.665          | 45   | 417843     | 52.740   | ug/l   | 100      |
| 23) Vinyl Acetate            | 6.588          | 43   | 1931809    | 278.796  | ug/l   | 100      |
| 24) 1,1-Dichloroethane       | 6.553          | 63   | 223298     | 48.853   | ug/l   | 100      |
| 25) 2-Butanone               | 7.471          | 43   | 588032     | 261.702  | ug/l   | 100      |
| 26) 2,2-Dichloropropane      | 7.471          | 77   | 179431     | 50.492   | ug/l   | 100      |
| 27) cis-1,2-Dichloroethene   | 7.471          | 96   | 140194     | 51.746   | ug/l   | 100      |
| 28) Bromochloromethane       | 7.800          | 49   | 108748     | 49.713   | ug/l   | 100      |
| 29) Tetrahydrofuran          | 7.829          | 42   | 388704     | 266.294  | ug/l   | 100      |
| 30) Chloroform               | 7.953          | 83   | 233747     | 51.092   | ug/l   | 100      |
| 31) Cyclohexane              | 8.241          | 56   | 191116     | 50.122   | ug/l   | 100      |
| 32) 1,1,1-Trichloroethane    | 8.153          | 97   | 198135     | 50.002   | ug/l   | 100      |
| 36) 1,1-Dichloropropene      | 8.353          | 75   | 158563     | 53.418   | ug/l   | 100      |
| 37) Ethyl Acetate            | 7.547          | 43   | 230005     | 53.652   | ug/l   | 100      |
| 38) Carbon Tetrachloride     | 8.347          | 117  | 168403     | 51.501   | ug/l   | 100      |
| 39) Methylcyclohexane        | 9.582          | 83   | 172297     | 53.614   | ug/l   | 100      |
| 40) Benzene                  | 8.594          | 78   | 505723     | 52.714   | ug/l   | 100      |

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 ALS Vial : 6 Sample Multiplier: 1

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 ClientSampleId :  
 VSTDICCC050

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Quant Time: Jul 17 02:19:33 2025  
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 Quant Title : SW846 8260  
 QLast Update : Thu Jul 17 02:09:29 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.771  | 41   | 119895   | 53.486   | ug/l   | 100      |
| 42) 1,2-Dichloroethane        | 8.653  | 62   | 184670   | 50.759   | ug/l   | 100      |
| 43) Isopropyl Acetate         | 8.677  | 43   | 348709   | 52.399   | ug/l   | 100      |
| 44) Trichloroethene           | 9.335  | 130  | 115974   | 51.160   | ug/l   | 100      |
| 45) 1,2-Dichloropropane       | 9.606  | 63   | 128530   | 52.726   | ug/l   | 100      |
| 46) Dibromomethane            | 9.688  | 93   | 94179    | 51.601   | ug/l   | 100      |
| 47) Bromodichloromethane      | 9.871  | 83   | 185222   | 50.382   | ug/l   | 100      |
| 48) Methyl methacrylate       | 9.665  | 41   | 164476   | 54.899   | ug/l   | 100      |
| 49) 1,4-Dioxane               | 9.682  | 88   | 52072    | 1134.802 | ug/l # | 100      |
| 51) 4-Methyl-2-Pentanone      | 10.429 | 43   | 1122857  | 266.771  | ug/l   | 100      |
| 52) Toluene                   | 10.612 | 92   | 313806   | 53.814   | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 10.818 | 75   | 202129   | 54.327   | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 10.294 | 75   | 205720   | 53.529   | ug/l   | 100      |
| 55) 1,1,2-Trichloroethane     | 11.000 | 97   | 119612   | 50.666   | ug/l   | 100      |
| 56) Ethyl methacrylate        | 10.859 | 69   | 204376   | 51.427   | ug/l   | 100      |
| 57) 1,3-Dichloropropane       | 11.141 | 76   | 213343   | 52.267   | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 10.141 | 63   | 562790   | 290.607  | ug/l   | 100      |
| 59) 2-Hexanone                | 11.182 | 43   | 806824   | 288.920  | ug/l   | 100      |
| 60) Dibromochloromethane      | 11.341 | 129  | 139955   | 51.982   | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.453 | 107  | 125416   | 50.525   | ug/l   | 100      |
| 64) Tetrachloroethene         | 11.088 | 164  | 96176    | 49.786   | ug/l   | 100      |
| 65) Chlorobenzene             | 11.870 | 112  | 335833   | 49.837   | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 11.941 | 131  | 117833   | 51.425   | ug/l   | 100      |
| 67) Ethyl Benzene             | 11.947 | 91   | 582851   | 52.540   | ug/l   | 100      |
| 68) m/p-Xylenes               | 12.053 | 106  | 455017   | 109.536  | ug/l   | 100      |
| 69) o-Xylene                  | 12.376 | 106  | 217121   | 54.717   | ug/l   | 100      |
| 70) Styrene                   | 12.394 | 104  | 376745   | 56.440   | ug/l   | 100      |
| 71) Bromoform                 | 12.559 | 173  | 98549    | 53.237   | ug/l # | 100      |
| 73) Isopropylbenzene          | 12.676 | 105  | 538245   | 53.964   | ug/l   | 100      |
| 74) N-amyl acetate            | 12.494 | 43   | 180343m  | 46.310   | ug/l   |          |
| 75) 1,1,2,2-Tetrachloroethane | 12.917 | 83   | 191273   | 50.964   | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 12.970 | 75   | 188824m  | 53.705   | ug/l   |          |
| 77) Bromobenzene              | 12.959 | 156  | 137669   | 53.221   | ug/l   | 100      |
| 78) n-propylbenzene           | 13.017 | 91   | 680506   | 54.227   | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 13.106 | 91   | 401444   | 52.051   | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 13.153 | 105  | 464063   | 54.607   | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.717 | 75   | 63993    | 49.271   | ug/l   | 100      |
| 82) 4-Chlorotoluene           | 13.200 | 91   | 419474   | 52.240   | ug/l   | 100      |
| 83) tert-Butylbenzene         | 13.417 | 119  | 383986   | 54.099   | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene    | 13.464 | 105  | 475982   | 54.846   | ug/l   | 100      |
| 85) sec-Butylbenzene          | 13.594 | 105  | 565038   | 52.851   | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.706 | 119  | 473942   | 55.316   | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 13.711 | 146  | 262675   | 51.740   | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene       | 13.788 | 146  | 269881   | 49.773   | ug/l   | 100      |
| 89) n-Butylbenzene            | 14.035 | 91   | 437514   | 53.478   | ug/l   | 100      |
| 90) Hexachloroethane          | 14.311 | 117  | 91313    | 50.301   | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene       | 14.082 | 146  | 249988   | 51.977   | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropr... | 14.700 | 75   | 47931    | 48.643   | ug/l   | 100      |
| 93) 1,2,4-Trichlorobenzene    | 15.370 | 180  | 148472   | 52.553   | ug/l   | 100      |
| 94) Hexachlorobutadiene       | 15.476 | 225  | 52130    | 49.659   | ug/l   | 100      |
| 95) Naphthalene               | 15.617 | 128  | 545367   | 54.490   | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.811 | 180  | 146080   | 51.547   | ug/l   | 100      |

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Quant Time: Jul 17 02:19:33 2025  
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QLast Update : Thu Jul 17 02:09:29 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

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