

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN081425\  
 Data File : VN087552.D  
 Acq On : 14 Aug 2025 09:34  
 Operator : JC\MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

Quant Time: Aug 14 15:23:00 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N071625W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jul 17 02:56:13 2025  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 25% Max. Rel. Area : 150%

|       | Compound                    | AvgRF | CCRF  | %Dev  | Area% | Dev(min) |
|-------|-----------------------------|-------|-------|-------|-------|----------|
| 1 I   | Pentafluorobenzene          | 1.000 | 1.000 | 0.0   | 148   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 0.531 | 0.590 | -11.1 | 141   | 0.00     |
| 3 P   | Chloromethane               | 0.668 | 0.624 | 6.6   | 134   | 0.00     |
| 4 C   | Vinyl Chloride              | 0.664 | 0.678 | -2.1# | 138   | 0.00     |
| 5 T   | Bromomethane                | 0.344 | 0.378 | -9.9  | 158#  | 0.00     |
| 6 T   | Chloroethane                | 0.433 | 0.467 | -7.9  | 157#  | 0.00     |
| 7 T   | Trichlorofluoromethane      | 0.981 | 0.986 | -0.5  | 143   | 0.00     |
| 8 T   | Diethyl Ether               | 0.381 | 0.431 | -13.1 | 162#  | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 0.504 | 0.537 | -6.5  | 152#  | 0.00     |
| 10 T  | Methyl Iodide               | 0.452 | 0.381 | 15.7  | 114   | 0.00     |
| 11 T  | Tert butyl alcohol          | 0.161 | 0.178 | -10.6 | 164#  | 0.01     |
| 12 CM | 1,1-Dichloroethene          | 0.571 | 0.562 | 1.6#  | 153#  | 0.00     |
| 13 T  | Acrolein                    | 0.129 | 0.118 | 8.5   | 145   | 0.00     |
| 14 T  | Allyl chloride              | 1.033 | 1.054 | -2.0  | 156#  | 0.00     |
| 15 T  | Acrylonitrile               | 0.437 | 0.441 | -0.9  | 145   | 0.00     |
| 16 T  | Acetone                     | 0.398 | 0.485 | -21.9 | 186#  | 0.00     |
| 17 T  | Carbon Disulfide            | 1.693 | 1.495 | 11.7  | 128   | 0.00     |
| 18 T  | Methyl Acetate              | 0.999 | 1.172 | -17.3 | 175#  | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 2.104 | 2.429 | -15.4 | 166#  | 0.00     |
| 20 T  | Methylene Chloride          | 0.766 | 0.711 | 7.2   | 157#  | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 0.644 | 0.630 | 2.2   | 143   | 0.00     |
| 22 T  | Diisopropyl ether           | 2.167 | 2.484 | -14.6 | 161#  | 0.00     |
| 23 T  | Vinyl Acetate               | 1.895 | 2.264 | -19.5 | 159#  | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 1.250 | 1.280 | -2.4  | 156#  | 0.00     |
| 25 T  | 2-Butanone                  | 0.615 | 0.657 | -6.8  | 152#  | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 0.972 | 1.100 | -13.2 | 166#  | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 0.741 | 0.782 | -5.5  | 151#  | 0.00     |
| 28 T  | Bromochloromethane          | 0.598 | 0.679 | -13.5 | 169#  | 0.00     |
| 29 T  | Tetrahydrofuran             | 0.399 | 0.422 | -5.8  | 147   | 0.00     |
| 30 C  | Chloroform                  | 1.251 | 1.372 | -9.7# | 159#  | 0.00     |
| 31 T  | Cyclohexane                 | 1.043 | 1.027 | 1.5   | 146   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 1.084 | 1.139 | -5.1  | 156#  | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 0.848 | 0.912 | -7.5  | 169#  | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0   | 167#  | 0.00     |
| 35 S  | Dibromofluoromethane        | 0.345 | 0.310 | 10.1  | 155#  | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 0.456 | 0.438 | 3.9   | 150#  | 0.00     |
| 37 T  | Ethyl Acetate               | 0.658 | 0.627 | 4.7   | 148   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 0.502 | 0.454 | 9.6   | 147   | 0.00     |
| 39 T  | Methylcyclohexane           | 0.493 | 0.469 | 4.9   | 148   | 0.00     |
| 40 TM | Benzene                     | 1.473 | 1.404 | 4.7   | 151#  | 0.00     |
| 41 T  | Methacrylonitrile           | 0.344 | 0.329 | 4.4   | 149   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 0.558 | 0.573 | -2.7  | 168#  | 0.00     |
| 43 T  | Isopropyl Acetate           | 1.022 | 1.059 | -3.6  | 165#  | 0.00     |
| 44 TM | Trichloroethene             | 0.348 | 0.305 | 12.4  | 143   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 0.374 | 0.369 | 1.3#  | 156#  | 0.00     |
| 46 T  | Dibromomethane              | 0.280 | 0.272 | 2.9   | 157#  | 0.00     |
| 47 T  | Bromodichloromethane        | 0.564 | 0.550 | 2.5   | 161#  | 0.00     |
| 48 T  | Methyl methacrylate         | 0.460 | 0.486 | -5.7  | 160#  | 0.00     |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

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 Quant Title : SW846 8260  
 QLast Update : Thu Jul 17 02:56:13 2025  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 25% Max. Rel. Area : 150%

|       | Compound                    | AvgRF | CCRF  | %Dev  | Area% | Dev(min) |
|-------|-----------------------------|-------|-------|-------|-------|----------|
| 49 T  | 1,4-Dioxane                 | 0.007 | 0.007 | 0.0   | 149   | 0.00     |
| 50 S  | Toluene-d8                  | 1.230 | 1.125 | 8.5   | 153#  | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 0.646 | 0.652 | -0.9  | 158#  | 0.00     |
| 52 CM | Toluene                     | 0.895 | 0.870 | 2.8#  | 151#  | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 0.571 | 0.583 | -2.1  | 157#  | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 0.590 | 0.602 | -2.0  | 159#  | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 0.362 | 0.350 | 3.3   | 159#  | 0.00     |
| 56 T  | Ethyl methacrylate          | 0.552 | 0.610 | -10.5 | 162#  | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 0.627 | 0.619 | 1.3   | 158#  | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 0.297 | 0.344 | -15.8 | 166#  | 0.00     |
| 59 T  | 2-Hexanone                  | 0.429 | 0.450 | -4.9  | 151#  | 0.00     |
| 60 T  | Dibromochloromethane        | 0.413 | 0.401 | 2.9   | 155#  | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 0.381 | 0.372 | 2.4   | 161#  | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 0.455 | 0.433 | 4.8   | 159#  | 0.00     |
| 63 I  | Chlorobenzene-d5            | 1.000 | 1.000 | 0.0   | 167#  | 0.00     |
| 64 T  | Tetrachloroethene           | 0.322 | 0.260 | 19.3  | 136   | 0.00     |
| 65 PM | Chlorobenzene               | 1.123 | 1.016 | 9.5   | 152#  | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 0.382 | 0.366 | 4.2   | 155#  | 0.00     |
| 67 C  | Ethyl Benzene               | 1.848 | 1.827 | 1.1#  | 157#  | 0.00     |
| 68 T  | m/p-Xylenes                 | 0.692 | 0.683 | 1.3   | 150#  | 0.00     |
| 69 T  | o-Xylene                    | 0.661 | 0.675 | -2.1  | 156#  | 0.00     |
| 70 T  | Styrene                     | 1.112 | 1.166 | -4.9  | 155#  | 0.00     |
| 71 P  | Bromoform                   | 0.308 | 0.286 | 7.1   | 145   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0   | 161#  | 0.00     |
| 73 T  | Isopropylbenzene            | 3.147 | 3.350 | -6.5  | 159#  | 0.00     |
| 74 T  | N-amyl acetate              | 1.307 | 1.015 | 22.3  | 144   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 1.184 | 1.195 | -0.9  | 159#  | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 1.121 | 1.008 | 10.1  | 136   | 0.00     |
| 77 T  | Bromobenzene                | 0.816 | 0.799 | 2.1   | 148   | 0.00     |
| 78 T  | n-propylbenzene             | 3.959 | 4.232 | -6.9  | 159#  | 0.00     |
| 79 T  | 2-Chlorotoluene             | 2.433 | 2.556 | -5.1  | 162#  | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 2.681 | 2.883 | -7.5  | 159#  | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 0.410 | 0.397 | 3.2   | 158#  | 0.00     |
| 82 T  | 4-Chlorotoluene             | 2.533 | 2.681 | -5.8  | 163#  | 0.00     |
| 83 T  | tert-Butylbenzene           | 2.239 | 2.406 | -7.5  | 160#  | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 2.738 | 2.990 | -9.2  | 160#  | 0.00     |
| 85 T  | sec-Butylbenzene            | 3.373 | 3.586 | -6.3  | 162#  | 0.00     |
| 86 T  | p-Isopropyltoluene          | 2.703 | 2.988 | -10.5 | 161#  | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 1.602 | 1.564 | 2.4   | 152#  | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 1.711 | 1.570 | 8.2   | 148   | 0.00     |
| 89 T  | n-Butylbenzene              | 2.581 | 2.886 | -11.8 | 168#  | 0.00     |
| 90 T  | Hexachloroethane            | 0.573 | 0.546 | 4.7   | 153#  | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 1.517 | 1.497 | 1.3   | 153#  | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 0.311 | 0.276 | 11.3  | 147   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 0.891 | 0.889 | 0.2   | 153#  | 0.00     |
| 94 T  | Hexachlorobutadiene         | 0.331 | 0.322 | 2.7   | 158#  | 0.00     |
| 95 T  | Naphthalene                 | 3.158 | 3.288 | -4.1  | 154#  | 0.00     |

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Instrument :  
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Quant Time: Aug 14 15:23:00 2025  
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Quant Title : SW846 8260  
QLast Update : Thu Jul 17 02:56:13 2025  
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound               | AvgRF | CCRF  | %Dev | Area% | Dev(min) |
|------|------------------------|-------|-------|------|-------|----------|
| 96 T | 1,2,3-Trichlorobenzene | 0.894 | 0.864 | 3.4  | 151#  | 0.00     |

(#) = Out of Range

SPCC's out = 0 CCC's out = 6