

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN102925\  
 Data File : VN088147.D  
 Acq On : 29 Oct 2025 10:24  
 Operator : JC\MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

Quant Time: Oct 30 04:01:17 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N102325W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Oct 25 00:15:22 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    | 82    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 0.564 | 0.596 | -5.7   | 107   | 0.00     |
| 3 P   | Chloromethane               | 0.664 | 0.664 | 0.0    | 105   | 0.00     |
| 4 C   | Vinyl Chloride              | 0.723 | 0.749 | -3.6#  | 106   | 0.00     |
| 5 T   | Bromomethane                | 0.432 | 0.440 | -1.9   | 105   | -0.01    |
| 6 T   | Chloroethane                | 0.521 | 0.494 | 5.2    | 98    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 1.153 | 1.165 | -1.0   | 100   | 0.00     |
| 8 T   | Diethyl Ether               | 0.429 | 0.463 | -7.9   | 119   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 0.595 | 0.619 | -4.0   | 107   | 0.00     |
| 10 T  | Methyl Iodide               | 0.544 | 0.551 | -1.3   | 99    | 0.00     |
| 11 T  | Tert butyl alcohol          | 0.149 | 0.174 | -16.8  | 123   | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 0.628 | 0.601 | 4.3#   | 106   | 0.00     |
| 13 T  | Acrolein                    | 0.168 | 0.288 | -71.4# | 191#  | 0.00     |
| 14 T  | Allyl chloride              | 1.102 | 1.157 | -5.0   | 117   | 0.00     |
| 15 T  | Acrylonitrile               | 0.406 | 0.484 | -19.2  | 122   | 0.00     |
| 16 T  | Acetone                     | 0.434 | 0.505 | -16.4  | 129   | 0.00     |
| 17 T  | Carbon Disulfide            | 1.910 | 1.820 | 4.7    | 100   | 0.00     |
| 18 T  | Methyl Acetate              | 0.889 | 1.099 | -23.6  | 131   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 2.308 | 2.670 | -15.7  | 122   | 0.00     |
| 20 T  | Methylene Chloride          | 0.729 | 0.773 | -6.0   | 117   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 0.690 | 0.701 | -1.6   | 107   | 0.00     |
| 22 T  | Diisopropyl ether           | 2.317 | 2.710 | -17.0  | 118   | 0.00     |
| 23 T  | Vinyl Acetate               | 2.087 | 2.531 | -21.3  | 119   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 1.283 | 1.447 | -12.8  | 115   | 0.00     |
| 25 T  | 2-Butanone                  | 0.572 | 0.692 | -21.0  | 122   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 1.166 | 1.189 | -2.0   | 106   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 0.794 | 0.843 | -6.2   | 110   | 0.00     |
| 28 T  | Bromochloromethane          | 0.606 | 0.644 | -6.3   | 90    | 0.00     |
| 29 T  | Tetrahydrofuran             | 0.373 | 0.444 | -19.0  | 123   | 0.00     |
| 30 C  | Chloroform                  | 1.282 | 1.458 | -13.7# | 115   | 0.00     |
| 31 T  | Cyclohexane                 | 1.210 | 1.245 | -2.9   | 106   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 1.142 | 1.252 | -9.6   | 112   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 0.865 | 0.988 | -14.2  | 101   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0    | 82    | 0.00     |
| 35 S  | Dibromofluoromethane        | 0.336 | 0.354 | -5.4   | 92    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 0.490 | 0.537 | -9.6   | 108   | 0.00     |
| 37 T  | Ethyl Acetate               | 0.633 | 0.755 | -19.3  | 126   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 0.507 | 0.562 | -10.8  | 110   | 0.00     |
| 39 T  | Methylcyclohexane           | 0.630 | 0.649 | -3.0   | 101   | 0.00     |
| 40 TM | Benzene                     | 1.494 | 1.622 | -8.6   | 109   | 0.00     |
| 41 T  | Methacrylonitrile           | 0.333 | 0.398 | -19.5  | 120   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 0.531 | 0.665 | -25.2# | 125   | 0.00     |
| 43 T  | Isopropyl Acetate           | 0.973 | 1.164 | -19.6  | 117   | 0.00     |
| 44 TM | Trichloroethene             | 0.349 | 0.366 | -4.9   | 105   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 0.377 | 0.433 | -14.9# | 116   | 0.00     |
| 46 T  | Dibromomethane              | 0.269 | 0.312 | -16.0  | 117   | 0.00     |
| 47 T  | Bromodichloromethane        | 0.538 | 0.639 | -18.8  | 119   | 0.00     |
| 48 T  | Methyl methacrylate         | 0.449 | 0.566 | -26.1# | 124   | 0.00     |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

Quant Time: Oct 30 04:01:17 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N102325W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Oct 25 00:15:22 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                 | 0.006 | 0.007 | -16.7  | 127   | 0.00     |
| 50 S  | Toluene-d8                  | 1.294 | 1.288 | 0.5    | 86    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 0.575 | 0.723 | -25.7# | 122   | 0.00     |
| 52 CM | Toluene                     | 0.921 | 0.998 | -8.4#  | 108   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 0.573 | 0.678 | -18.3  | 116   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 0.608 | 0.708 | -16.4  | 116   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 0.349 | 0.394 | -12.9  | 115   | 0.00     |
| 56 T  | Ethyl methacrylate          | 0.553 | 0.678 | -22.6  | 117   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 0.614 | 0.719 | -17.1  | 116   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 0.288 | 0.375 | -30.2# | 125   | 0.00     |
| 59 T  | 2-Hexanone                  | 0.382 | 0.490 | -28.3# | 121   | 0.00     |
| 60 T  | Dibromochloromethane        | 0.397 | 0.459 | -15.6  | 115   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 0.360 | 0.404 | -12.2  | 114   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 0.457 | 0.482 | -5.5   | 90    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 1.000 | 1.000 | 0.0    | 80    | 0.00     |
| 64 T  | Tetrachloroethene           | 0.330 | 0.340 | -3.0   | 106   | 0.00     |
| 65 PM | Chlorobenzene               | 1.135 | 1.237 | -9.0   | 106   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 0.372 | 0.427 | -14.8  | 111   | 0.00     |
| 67 C  | Ethyl Benzene               | 1.993 | 2.204 | -10.6# | 108   | 0.00     |
| 68 T  | m/p-Xylenes                 | 0.747 | 0.817 | -9.4   | 104   | 0.00     |
| 69 T  | o-Xylene                    | 0.708 | 0.796 | -12.4  | 106   | 0.00     |
| 70 T  | Styrene                     | 1.154 | 1.363 | -18.1  | 109   | 0.00     |
| 71 P  | Bromoform                   | 0.278 | 0.330 | -18.7  | 114   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0    | 84    | 0.00     |
| 73 T  | Isopropylbenzene            | 3.856 | 4.049 | -5.0   | 107   | 0.00     |
| 74 T  | N-amyl acetate              | 1.095 | 0.648 | 40.8#  | 59    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 1.201 | 1.324 | -10.2  | 116   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 1.143 | 1.310 | -14.6  | 118   | 0.00     |
| 77 T  | Bromobenzene                | 0.832 | 0.903 | -8.5   | 110   | 0.00     |
| 78 T  | n-propylbenzene             | 4.706 | 5.001 | -6.3   | 107   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 2.684 | 2.994 | -11.5  | 111   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 3.203 | 3.418 | -6.7   | 107   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 0.410 | 0.432 | -5.4   | 114   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 2.904 | 3.154 | -8.6   | 112   | 0.00     |
| 83 T  | tert-Butylbenzene           | 2.861 | 2.965 | -3.6   | 105   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 3.204 | 3.544 | -10.6  | 110   | 0.00     |
| 85 T  | sec-Butylbenzene            | 4.203 | 4.348 | -3.4   | 104   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 3.372 | 3.656 | -8.4   | 107   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 1.660 | 1.803 | -8.6   | 109   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 1.783 | 1.840 | -3.2   | 110   | 0.00     |
| 89 T  | n-Butylbenzene              | 3.340 | 3.566 | -6.8   | 105   | 0.00     |
| 90 T  | Hexachloroethane            | 0.653 | 0.667 | -2.1   | 104   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 1.600 | 1.719 | -7.4   | 111   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 0.279 | 0.336 | -20.4  | 132   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 0.969 | 1.040 | -7.3   | 111   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 0.361 | 0.390 | -8.0   | 111   | 0.00     |
| 95 T  | Naphthalene                 | 3.320 | 3.695 | -11.3  | 113   | 0.00     |

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Quant Title : SW846 8260  
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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 | 0.929 | 0.991 | -6.7 | 113   | 0.00     |

(#) = Out of Range

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