

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN090525\  
 Data File : VN087733.D  
 Acq On : 05 Sep 2025 11:12  
 Operator : JC\MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

Quant Time: Sep 06 01:01:11 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N082125W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 22 02:55:42 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   | 93    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 0.710 | 0.654 | 7.9   | 75    | 0.00     |
| 3 P   | Chloromethane               | 0.730 | 0.714 | 2.2   | 84    | 0.00     |
| 4 C   | Vinyl Chloride              | 0.846 | 0.802 | 5.2#  | 83    | 0.00     |
| 5 T   | Bromomethane                | 0.437 | 0.472 | -8.0  | 98    | 0.00     |
| 6 T   | Chloroethane                | 0.595 | 0.549 | 7.7   | 85    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 1.240 | 1.215 | 2.0   | 89    | 0.00     |
| 8 T   | Diethyl Ether               | 0.540 | 0.525 | 2.8   | 92    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 0.701 | 0.662 | 5.6   | 89    | 0.00     |
| 10 T  | Methyl Iodide               | 0.450 | 0.465 | -3.3  | 90    | 0.00     |
| 11 T  | Tert butyl alcohol          | 0.178 | 0.186 | -4.5  | 94    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 0.721 | 0.652 | 9.6#  | 87    | 0.00     |
| 13 T  | Acrolein                    | 0.219 | 0.258 | -17.8 | 112   | 0.00     |
| 14 T  | Allyl chloride              | 1.306 | 1.139 | 12.8  | 86    | 0.00     |
| 15 T  | Acrylonitrile               | 0.502 | 0.483 | 3.8   | 90    | 0.00     |
| 16 T  | Acetone                     | 0.558 | 0.551 | 1.3   | 98    | 0.00     |
| 17 T  | Carbon Disulfide            | 1.985 | 1.623 | 18.2  | 75    | 0.00     |
| 18 T  | Methyl Acetate              | 1.168 | 1.289 | -10.4 | 104   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 2.704 | 2.590 | 4.2   | 88    | 0.00     |
| 20 T  | Methylene Chloride          | 0.948 | 0.762 | 19.6  | 86    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 0.781 | 0.672 | 14.0  | 83    | 0.00     |
| 22 T  | Diisopropyl ether           | 2.819 | 2.706 | 4.0   | 88    | 0.00     |
| 23 T  | Vinyl Acetate               | 2.565 | 2.463 | 4.0   | 85    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 1.546 | 1.417 | 8.3   | 88    | 0.00     |
| 25 T  | 2-Butanone                  | 0.734 | 0.711 | 3.1   | 90    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 1.327 | 1.245 | 6.2   | 88    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 0.934 | 0.866 | 7.3   | 86    | 0.00     |
| 28 T  | Bromochloromethane          | 0.747 | 0.744 | 0.4   | 99    | 0.00     |
| 29 T  | Tetrahydrofuran             | 0.472 | 0.458 | 3.0   | 90    | 0.00     |
| 30 C  | Chloroform                  | 1.578 | 1.504 | 4.7#  | 89    | 0.00     |
| 31 T  | Cyclohexane                 | 1.289 | 1.061 | 17.7  | 80    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 1.337 | 1.238 | 7.4   | 88    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 1.024 | 1.008 | 1.6   | 98    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0   | 91    | 0.00     |
| 35 S  | Dibromofluoromethane        | 0.361 | 0.373 | -3.3  | 101   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 0.554 | 0.483 | 12.8  | 83    | 0.00     |
| 37 T  | Ethyl Acetate               | 0.757 | 0.720 | 4.9   | 88    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 0.547 | 0.507 | 7.3   | 85    | 0.00     |
| 39 T  | Methylcyclohexane           | 0.610 | 0.514 | 15.7  | 79    | 0.00     |
| 40 TM | Benzene                     | 1.699 | 1.589 | 6.5   | 86    | 0.00     |
| 41 T  | Methacrylonitrile           | 0.392 | 0.372 | 5.1   | 87    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 0.653 | 0.597 | 8.6   | 83    | 0.00     |
| 43 T  | Isopropyl Acetate           | 1.182 | 1.159 | 1.9   | 88    | 0.00     |
| 44 TM | Trichloroethene             | 0.388 | 0.349 | 10.1  | 84    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 0.448 | 0.420 | 6.3#  | 88    | 0.00     |
| 46 T  | Dibromomethane              | 0.319 | 0.305 | 4.4   | 87    | 0.00     |
| 47 T  | Bromodichloromethane        | 0.653 | 0.636 | 2.6   | 90    | 0.00     |
| 48 T  | Methyl methacrylate         | 0.559 | 0.534 | 4.5   | 87    | 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

Quant Time: Sep 06 01:01:11 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N082125W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 22 02:55:42 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 | 0.008 | -14.3 | 94    | 0.00     |
| 50 S  | Toluene-d8                  | 1.351 | 1.356 | -0.4  | 100   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 0.713 | 0.734 | -2.9  | 90    | 0.00     |
| 52 CM | Toluene                     | 1.053 | 0.993 | 5.7#  | 86    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 0.676 | 0.670 | 0.9   | 86    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 0.702 | 0.686 | 2.3   | 87    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 0.407 | 0.410 | -0.7  | 91    | 0.00     |
| 56 T  | Ethyl methacrylate          | 0.651 | 0.675 | -3.7  | 87    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 0.721 | 0.704 | 2.4   | 87    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 0.352 | 0.348 | 1.1   | 89    | 0.00     |
| 59 T  | 2-Hexanone                  | 0.451 | 0.503 | -11.5 | 89    | 0.00     |
| 60 T  | Dibromochloromethane        | 0.472 | 0.464 | 1.7   | 90    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 0.430 | 0.413 | 4.0   | 87    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 0.481 | 0.487 | -1.2  | 98    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 1.000 | 1.000 | 0.0   | 92    | 0.00     |
| 64 T  | Tetrachloroethene           | 0.347 | 0.284 | 18.2  | 83    | 0.00     |
| 65 PM | Chlorobenzene               | 1.244 | 1.145 | 8.0   | 87    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 0.413 | 0.403 | 2.4   | 88    | 0.00     |
| 67 C  | Ethyl Benzene               | 2.154 | 2.022 | 6.1#  | 87    | 0.00     |
| 68 T  | m/p-Xylenes                 | 0.790 | 0.758 | 4.1   | 86    | 0.00     |
| 69 T  | o-Xylene                    | 0.774 | 0.739 | 4.5   | 85    | 0.00     |
| 70 T  | Styrene                     | 1.297 | 1.288 | 0.7   | 86    | 0.00     |
| 71 P  | Bromoform                   | 0.317 | 0.330 | -4.1  | 94    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0   | 94    | 0.00     |
| 73 T  | Isopropylbenzene            | 4.040 | 3.670 | 9.2   | 85    | 0.00     |
| 74 T  | N-amyl acetate              | 1.531 | 1.386 | 9.5   | 83    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 1.391 | 1.345 | 3.3   | 92    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 1.173 | 1.075 | 8.4   | 94    | 0.00     |
| 77 T  | Bromobenzene                | 0.953 | 0.880 | 7.7   | 88    | 0.00     |
| 78 T  | n-propylbenzene             | 4.977 | 4.606 | 7.5   | 86    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 2.995 | 2.769 | 7.5   | 87    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 3.428 | 3.160 | 7.8   | 85    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 0.443 | 0.466 | -5.2  | 97    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 3.149 | 2.861 | 9.1   | 85    | 0.00     |
| 83 T  | tert-Butylbenzene           | 2.856 | 2.640 | 7.6   | 85    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 3.431 | 3.229 | 5.9   | 87    | 0.00     |
| 85 T  | sec-Butylbenzene            | 4.239 | 3.851 | 9.2   | 85    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 3.500 | 3.184 | 9.0   | 84    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 1.876 | 1.762 | 6.1   | 90    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 1.952 | 1.752 | 10.2  | 88    | 0.00     |
| 89 T  | n-Butylbenzene              | 3.476 | 3.149 | 9.4   | 85    | 0.00     |
| 90 T  | Hexachloroethane            | 0.667 | 0.631 | 5.4   | 90    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 1.780 | 1.685 | 5.3   | 90    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 0.330 | 0.305 | 7.6   | 90    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 1.069 | 0.964 | 9.8   | 88    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 0.381 | 0.309 | 18.9  | 81    | 0.00     |
| 95 T  | Naphthalene                 | 3.786 | 3.542 | 6.4   | 88    | 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

Quant Time: Sep 06 01:01:11 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N082125W.M  
Quant Title : SW846 8260  
QLast Update : Fri Aug 22 02:55:42 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 | 1.045 | 0.952 | 8.9  | 89    | 0.00     |

(#) = Out of Range

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