

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN091125\  
 Data File : VN087792.D  
 Acq On : 11 Sep 2025 12:49  
 Operator : JC\MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

Quant Time: Sep 12 02:49:38 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    | 121   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 0.710 | 0.638 | 10.1   | 96    | 0.00     |
| 3 P   | Chloromethane               | 0.730 | 0.730 | 0.0    | 111   | 0.00     |
| 4 C   | Vinyl Chloride              | 0.846 | 0.781 | 7.7#   | 105   | 0.00     |
| 5 T   | Bromomethane                | 0.437 | 0.468 | -7.1   | 126   | 0.00     |
| 6 T   | Chloroethane                | 0.595 | 0.536 | 9.9    | 108   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 1.240 | 1.131 | 8.8    | 108   | 0.00     |
| 8 T   | Diethyl Ether               | 0.540 | 0.484 | 10.4   | 111   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 0.701 | 0.597 | 14.8   | 104   | 0.00     |
| 10 T  | Methyl Iodide               | 0.450 | 0.584 | -29.8# | 147   | 0.00     |
| 11 T  | Tert butyl alcohol          | 0.178 | 0.158 | 11.2   | 104   | 0.01     |
| 12 CM | 1,1-Dichloroethene          | 0.721 | 0.643 | 10.8#  | 111   | 0.00     |
| 13 T  | Acrolein                    | 0.219 | 0.181 | 17.4   | 102   | 0.00     |
| 14 T  | Allyl chloride              | 1.306 | 1.070 | 18.1   | 105   | 0.00     |
| 15 T  | Acrylonitrile               | 0.502 | 0.437 | 12.9   | 106   | 0.00     |
| 16 T  | Acetone                     | 0.558 | 0.530 | 5.0    | 123   | 0.00     |
| 17 T  | Carbon Disulfide            | 1.985 | 1.832 | 7.7    | 111   | 0.00     |
| 18 T  | Methyl Acetate              | 1.168 | 0.989 | 15.3   | 104   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 2.704 | 2.437 | 9.9    | 108   | 0.00     |
| 20 T  | Methylene Chloride          | 0.948 | 0.755 | 20.4   | 111   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 0.781 | 0.689 | 11.8   | 111   | 0.00     |
| 22 T  | Diisopropyl ether           | 2.819 | 2.489 | 11.7   | 105   | 0.00     |
| 23 T  | Vinyl Acetate               | 2.565 | 2.341 | 8.7    | 105   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 1.546 | 1.354 | 12.4   | 109   | 0.00     |
| 25 T  | 2-Butanone                  | 0.734 | 0.657 | 10.5   | 109   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 1.327 | 1.186 | 10.6   | 109   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 0.934 | 0.844 | 9.6    | 109   | 0.00     |
| 28 T  | Bromochloromethane          | 0.747 | 0.594 | 20.5   | 103   | 0.00     |
| 29 T  | Tetrahydrofuran             | 0.472 | 0.407 | 13.8   | 104   | 0.00     |
| 30 C  | Chloroform                  | 1.578 | 1.414 | 10.4#  | 109   | 0.00     |
| 31 T  | Cyclohexane                 | 1.289 | 1.062 | 17.6   | 104   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 1.337 | 1.181 | 11.7   | 110   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 1.024 | 0.878 | 14.3   | 111   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0    | 114   | 0.00     |
| 35 S  | Dibromofluoromethane        | 0.361 | 0.346 | 4.2    | 119   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 0.554 | 0.494 | 10.8   | 107   | 0.00     |
| 37 T  | Ethyl Acetate               | 0.757 | 0.687 | 9.2    | 106   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 0.547 | 0.529 | 3.3    | 112   | 0.00     |
| 39 T  | Methylcyclohexane           | 0.610 | 0.549 | 10.0   | 107   | 0.00     |
| 40 TM | Benzene                     | 1.699 | 1.603 | 5.7    | 109   | 0.00     |
| 41 T  | Methacrylonitrile           | 0.392 | 0.351 | 10.5   | 103   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 0.653 | 0.597 | 8.6    | 105   | 0.00     |
| 43 T  | Isopropyl Acetate           | 1.182 | 1.090 | 7.8    | 104   | 0.00     |
| 44 TM | Trichloroethene             | 0.388 | 0.370 | 4.6    | 112   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 0.448 | 0.398 | 11.2#  | 105   | 0.00     |
| 46 T  | Dibromomethane              | 0.319 | 0.304 | 4.7    | 109   | 0.00     |
| 47 T  | Bromodichloromethane        | 0.653 | 0.611 | 6.4    | 110   | 0.00     |
| 48 T  | Methyl methacrylate         | 0.559 | 0.512 | 8.4    | 105   | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN091125\  
 Data File : VN087792.D  
 Acq On : 11 Sep 2025 12:49  
 Operator : JC\MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

Quant Time: Sep 12 02:49:38 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 | 114   | 0.00     |
| 50 S  | Toluene-d8                  | 1.351 | 1.233 | 8.7   | 115   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 0.713 | 0.673 | 5.6   | 105   | 0.00     |
| 52 CM | Toluene                     | 1.053 | 0.992 | 5.8#  | 108   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 0.676 | 0.649 | 4.0   | 106   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 0.702 | 0.673 | 4.1   | 107   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 0.407 | 0.387 | 4.9   | 109   | 0.00     |
| 56 T  | Ethyl methacrylate          | 0.651 | 0.641 | 1.5   | 104   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 0.721 | 0.682 | 5.4   | 107   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 0.352 | 0.313 | 11.1  | 101   | 0.00     |
| 59 T  | 2-Hexanone                  | 0.451 | 0.470 | -4.2  | 105   | 0.00     |
| 60 T  | Dibromochloromethane        | 0.472 | 0.466 | 1.3   | 114   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 0.430 | 0.413 | 4.0   | 109   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 0.481 | 0.461 | 4.2   | 117   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 1.000 | 1.000 | 0.0   | 115   | 0.00     |
| 64 T  | Tetrachloroethene           | 0.347 | 0.312 | 10.1  | 115   | 0.00     |
| 65 PM | Chlorobenzene               | 1.244 | 1.170 | 5.9   | 111   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 0.413 | 0.409 | 1.0   | 112   | 0.00     |
| 67 C  | Ethyl Benzene               | 2.154 | 2.021 | 6.2#  | 109   | 0.00     |
| 68 T  | m/p-Xylenes                 | 0.790 | 0.774 | 2.0   | 110   | 0.00     |
| 69 T  | o-Xylene                    | 0.774 | 0.741 | 4.3   | 107   | 0.00     |
| 70 T  | Styrene                     | 1.297 | 1.292 | 0.4   | 108   | 0.00     |
| 71 P  | Bromoform                   | 0.317 | 0.333 | -5.0  | 120   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0   | 119   | 0.00     |
| 73 T  | Isopropylbenzene            | 4.040 | 3.650 | 9.7   | 108   | 0.00     |
| 74 T  | N-amyl acetate              | 1.531 | 1.446 | 5.6   | 110   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 1.391 | 1.248 | 10.3  | 109   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 1.173 | 1.161 | 1.0   | 129   | 0.00     |
| 77 T  | Bromobenzene                | 0.953 | 0.898 | 5.8   | 113   | 0.00     |
| 78 T  | n-propylbenzene             | 4.977 | 4.588 | 7.8   | 108   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 2.995 | 2.722 | 9.1   | 109   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 3.428 | 3.182 | 7.2   | 109   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 0.443 | 0.445 | -0.5  | 117   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 3.149 | 2.809 | 10.8  | 106   | 0.00     |
| 83 T  | tert-Butylbenzene           | 2.856 | 2.683 | 6.1   | 109   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 3.431 | 3.233 | 5.8   | 110   | 0.00     |
| 85 T  | sec-Butylbenzene            | 4.239 | 3.910 | 7.8   | 110   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 3.500 | 3.335 | 4.7   | 112   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 1.876 | 1.764 | 6.0   | 115   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 1.952 | 1.781 | 8.8   | 113   | 0.00     |
| 89 T  | n-Butylbenzene              | 3.476 | 3.229 | 7.1   | 111   | 0.00     |
| 90 T  | Hexachloroethane            | 0.667 | 0.657 | 1.5   | 119   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 1.780 | 1.685 | 5.3   | 114   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 0.330 | 0.287 | 13.0  | 107   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 1.069 | 1.017 | 4.9   | 118   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 0.381 | 0.381 | 0.0   | 128   | 0.00     |
| 95 T  | Naphthalene                 | 3.786 | 3.538 | 6.6   | 112   | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN091125\  
Data File : VN087792.D  
Acq On : 11 Sep 2025 12:49  
Operator : JC\MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
LabSampleId :  
VSTDCCC050

Quant Time: Sep 12 02:49:38 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 | 0.994 | 4.9  | 117   | 0.00     |

(#) = Out of Range

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