

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN070725\  
 Data File : VN087282.D  
 Acq On : 07 Jul 2025 09:48  
 Operator : JC\MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

Quant Time: Jul 08 01:26:59 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N063025W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 01 03:15:00 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    | 185#  | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 0.487 | 0.473 | 2.9    | 173#  | 0.00     |
| 3 P   | Chloromethane               | 0.395 | 0.351 | 11.1   | 166#  | 0.00     |
| 4 C   | Vinyl Chloride              | 0.486 | 0.456 | 6.2#   | 173#  | 0.00     |
| 5 T   | Bromomethane                | 0.443 | 0.405 | 8.6    | 187#  | 0.00     |
| 6 T   | Chloroethane                | 0.385 | 0.340 | 11.7   | 165#  | 0.00     |
| 7 T   | Trichlorofluoromethane      | 0.843 | 0.804 | 4.6    | 182#  | 0.00     |
| 8 T   | Diethyl Ether               | 0.269 | 0.255 | 5.2    | 172#  | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 0.489 | 0.466 | 4.7    | 180#  | 0.00     |
| 10 T  | Methyl Iodide               | 0.486 | 0.567 | -16.7  | 200#  | 0.00     |
| 11 T  | Tert butyl alcohol          | 0.114 | 0.097 | 14.9   | 156#  | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 0.465 | 0.431 | 7.3#   | 172#  | 0.00     |
| 13 T  | Acrolein                    | 0.079 | 0.103 | -30.4# | 251#  | 0.00     |
| 14 T  | Allyl chloride              | 0.570 | 0.488 | 14.4   | 160#  | 0.00     |
| 15 T  | Acrylonitrile               | 0.285 | 0.235 | 17.5   | 158#  | 0.00     |
| 16 T  | Acetone                     | 0.240 | 0.268 | -11.7  | 220#  | 0.00     |
| 17 T  | Carbon Disulfide            | 1.395 | 1.173 | 15.9   | 165#  | 0.00     |
| 18 T  | Methyl Acetate              | 0.549 | 0.487 | 11.3   | 167#  | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 1.629 | 1.435 | 11.9   | 166#  | 0.00     |
| 20 T  | Methylene Chloride          | 0.531 | 0.458 | 13.7   | 168#  | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 0.562 | 0.484 | 13.9   | 169#  | 0.00     |
| 22 T  | Diisopropyl ether           | 1.364 | 1.127 | 17.4   | 155#  | 0.00     |
| 23 T  | Vinyl Acetate               | 1.262 | 1.069 | 15.3   | 156#  | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 0.894 | 0.772 | 13.6   | 164#  | 0.00     |
| 25 T  | 2-Butanone                  | 0.375 | 0.330 | 12.0   | 165#  | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 0.855 | 0.788 | 7.8    | 177#  | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 0.649 | 0.594 | 8.5    | 174#  | 0.00     |
| 28 T  | Bromochloromethane          | 0.395 | 0.333 | 15.7   | 154#  | 0.00     |
| 29 T  | Tetrahydrofuran             | 0.242 | 0.203 | 16.1   | 155#  | 0.00     |
| 30 C  | Chloroform                  | 0.991 | 0.884 | 10.8#  | 171#  | 0.00     |
| 31 T  | Cyclohexane                 | 0.855 | 0.674 | 21.2   | 160#  | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 0.923 | 0.828 | 10.3   | 173#  | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 0.628 | 0.559 | 11.0   | 175#  | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0    | 175#  | 0.00     |
| 35 S  | Dibromofluoromethane        | 0.320 | 0.319 | 0.3    | 182#  | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 0.435 | 0.401 | 7.8    | 165#  | 0.00     |
| 37 T  | Ethyl Acetate               | 0.468 | 0.407 | 13.0   | 153#  | 0.00     |
| 38 T  | Carbon Tetrachloride        | 0.493 | 0.490 | 0.6    | 177#  | 0.00     |
| 39 T  | Methylcyclohexane           | 0.518 | 0.483 | 6.8    | 164#  | 0.00     |
| 40 TM | Benzene                     | 1.349 | 1.219 | 9.6    | 163#  | 0.00     |
| 41 T  | Methacrylonitrile           | 0.224 | 0.193 | 13.8   | 152#  | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 0.449 | 0.424 | 5.6    | 167#  | 0.00     |
| 43 T  | Isopropyl Acetate           | 0.726 | 0.646 | 11.0   | 157#  | 0.00     |
| 44 TM | Trichloroethene             | 0.358 | 0.352 | 1.7    | 178#  | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 0.294 | 0.276 | 6.1#   | 167#  | 0.00     |
| 46 T  | Dibromomethane              | 0.250 | 0.237 | 5.2    | 172#  | 0.00     |
| 47 T  | Bromodichloromethane        | 0.477 | 0.457 | 4.2    | 172#  | 0.00     |
| 48 T  | Methyl methacrylate         | 0.306 | 0.279 | 8.8    | 158#  | 0.00     |

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 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  
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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) |
|-------|-----------------------------|-------|-------|------|-------|----------|
| 49 T  | 1,4-Dioxane                 | 0.006 | 0.006 | 0.0  | 155#  | 0.00     |
| 50 S  | Toluene-d8                  | 1.248 | 1.210 | 3.0  | 176#  | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 0.444 | 0.416 | 6.3  | 160#  | 0.00     |
| 52 CM | Toluene                     | 0.885 | 0.856 | 3.3# | 168#  | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 0.512 | 0.489 | 4.5  | 167#  | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 0.521 | 0.499 | 4.2  | 168#  | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 0.334 | 0.317 | 5.1  | 171#  | 0.00     |
| 56 T  | Ethyl methacrylate          | 0.490 | 0.437 | 10.8 | 157#  | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 0.545 | 0.508 | 6.8  | 169#  | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 0.259 | 0.231 | 10.8 | 152#  | 0.00     |
| 59 T  | 2-Hexanone                  | 0.318 | 0.283 | 11.0 | 161#  | 0.00     |
| 60 T  | Dibromochloromethane        | 0.394 | 0.403 | -2.3 | 179#  | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 0.359 | 0.350 | 2.5  | 171#  | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 0.444 | 0.431 | 2.9  | 175#  | 0.00     |
| 63 I  | Chlorobenzene-d5            | 1.000 | 1.000 | 0.0  | 176#  | 0.00     |
| 64 T  | Tetrachloroethene           | 0.333 | 0.330 | 0.9  | 180#  | 0.00     |
| 65 PM | Chlorobenzene               | 1.122 | 1.072 | 4.5  | 177#  | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 0.387 | 0.385 | 0.5  | 180#  | 0.00     |
| 67 C  | Ethyl Benzene               | 1.815 | 1.735 | 4.4# | 170#  | 0.00     |
| 68 T  | m/p-Xylenes                 | 0.725 | 0.724 | 0.1  | 174#  | 0.00     |
| 69 T  | o-Xylene                    | 0.679 | 0.677 | 0.3  | 172#  | 0.00     |
| 70 T  | Styrene                     | 1.153 | 1.177 | -2.1 | 173#  | 0.00     |
| 71 P  | Bromoform                   | 0.299 | 0.319 | -6.7 | 183#  | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0  | 183#  | 0.00     |
| 73 T  | Isopropylbenzene            | 3.222 | 2.974 | 7.7  | 173#  | 0.00     |
| 74 T  | N-amyl acetate              | 1.059 | 0.877 | 17.2 | 195#  | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 1.060 | 0.876 | 17.4 | 162#  | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 0.951 | 0.858 | 9.8  | 185#  | 0.00     |
| 77 T  | Bromobenzene                | 0.841 | 0.811 | 3.6  | 180#  | 0.00     |
| 78 T  | n-propylbenzene             | 3.892 | 3.528 | 9.4  | 170#  | 0.00     |
| 79 T  | 2-Chlorotoluene             | 2.316 | 2.045 | 11.7 | 167#  | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 2.693 | 2.545 | 5.5  | 172#  | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 0.405 | 0.371 | 8.4  | 174#  | 0.00     |
| 82 T  | 4-Chlorotoluene             | 2.424 | 2.146 | 11.5 | 169#  | 0.00     |
| 83 T  | tert-Butylbenzene           | 2.359 | 2.236 | 5.2  | 176#  | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 2.698 | 2.623 | 2.8  | 173#  | 0.00     |
| 85 T  | sec-Butylbenzene            | 3.344 | 3.179 | 4.9  | 173#  | 0.00     |
| 86 T  | p-Isopropyltoluene          | 2.875 | 2.813 | 2.2  | 175#  | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 1.675 | 1.606 | 4.1  | 183#  | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 1.749 | 1.610 | 7.9  | 182#  | 0.00     |
| 89 T  | n-Butylbenzene              | 2.531 | 2.341 | 7.5  | 169#  | 0.00     |
| 90 T  | Hexachloroethane            | 0.532 | 0.494 | 7.1  | 176#  | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 1.566 | 1.505 | 3.9  | 183#  | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 0.255 | 0.205 | 19.6 | 158#  | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 0.926 | 0.854 | 7.8  | 175#  | 0.00     |
| 94 T  | Hexachlorobutadiene         | 0.294 | 0.272 | 7.5  | 183#  | 0.00     |
| 95 T  | Naphthalene                 | 3.205 | 2.863 | 10.7 | 166#  | 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 | 0.902 | 0.835 | 7.4  | 175#  | 0.00     |

(#) = Out of Range

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