

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN021925\  
 Data File : VN085792.D  
 Acq On : 19 Feb 2025 15:58  
 Operator : JC\MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

Quant Time: Feb 20 00:49:50 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N021825W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Feb 19 03:43:32 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   | 98    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 0.680 | 0.593 | 12.8  | 86    | 0.00     |
| 3 P   | Chloromethane               | 0.682 | 0.587 | 13.9  | 92    | 0.00     |
| 4 C   | Vinyl Chloride              | 0.723 | 0.619 | 14.4# | 89    | 0.00     |
| 5 T   | Bromomethane                | 0.462 | 0.383 | 17.1  | 88    | 0.00     |
| 6 T   | Chloroethane                | 0.479 | 0.387 | 19.2  | 91    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 1.046 | 0.878 | 16.1  | 89    | 0.00     |
| 8 T   | Diethyl Ether               | 0.339 | 0.308 | 9.1   | 91    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 0.605 | 0.528 | 12.7  | 91    | 0.00     |
| 10 T  | Methyl Iodide               | 0.745 | 0.674 | 9.5   | 91    | 0.00     |
| 11 T  | Tert butyl alcohol          | 0.080 | 0.073 | 8.8   | 90    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 0.548 | 0.485 | 11.5# | 90    | 0.00     |
| 13 T  | Acrolein                    | 0.118 | 0.117 | 0.8   | 90    | 0.00     |
| 14 T  | Allyl chloride              | 0.720 | 0.657 | 8.7   | 93    | 0.00     |
| 15 T  | Acrylonitrile               | 0.259 | 0.241 | 6.9   | 96    | 0.00     |
| 16 T  | Acetone                     | 0.205 | 0.209 | -2.0  | 111   | 0.00     |
| 17 T  | Carbon Disulfide            | 1.625 | 1.344 | 17.3  | 89    | 0.00     |
| 18 T  | Methyl Acetate              | 0.705 | 0.621 | 11.9  | 98    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 1.629 | 1.563 | 4.1   | 92    | 0.00     |
| 20 T  | Methylene Chloride          | 0.660 | 0.553 | 16.2  | 91    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 0.590 | 0.517 | 12.4  | 92    | 0.00     |
| 22 T  | Diisopropyl ether           | 1.627 | 1.580 | 2.9   | 94    | 0.00     |
| 23 T  | Vinyl Acetate               | 1.114 | 1.076 | 3.4   | 94    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 1.106 | 0.983 | 11.1  | 93    | 0.00     |
| 25 T  | 2-Butanone                  | 0.302 | 0.305 | -1.0  | 101   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 0.983 | 0.878 | 10.7  | 91    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 0.685 | 0.618 | 9.8   | 91    | 0.00     |
| 28 T  | Bromochloromethane          | 0.454 | 0.511 | -12.6 | 112   | 0.00     |
| 29 T  | Tetrahydrofuran             | 0.195 | 0.195 | 0.0   | 97    | 0.00     |
| 30 C  | Chloroform                  | 1.156 | 1.018 | 11.9# | 93    | 0.00     |
| 31 T  | Cyclohexane                 | 0.926 | 0.770 | 16.8  | 87    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 1.028 | 0.904 | 12.1  | 91    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 0.648 | 0.661 | -2.0  | 105   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0   | 96    | 0.00     |
| 35 S  | Dibromofluoromethane        | 0.327 | 0.345 | -5.5  | 105   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 0.463 | 0.437 | 5.6   | 92    | 0.00     |
| 37 T  | Ethyl Acetate               | 0.381 | 0.368 | 3.4   | 95    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 0.550 | 0.492 | 10.5  | 90    | 0.00     |
| 39 T  | Methylcyclohexane           | 0.455 | 0.466 | -2.4  | 91    | 0.00     |
| 40 TM | Benzene                     | 1.484 | 1.377 | 7.2   | 92    | 0.00     |
| 41 T  | Methacrylonitrile           | 0.204 | 0.205 | -0.5  | 92    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 0.483 | 0.446 | 7.7   | 94    | 0.00     |
| 43 T  | Isopropyl Acetate           | 0.807 | 0.640 | 20.7  | 97    | 0.00     |
| 44 TM | Trichloroethene             | 0.364 | 0.323 | 11.3  | 92    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 0.358 | 0.334 | 6.7#  | 93    | 0.00     |
| 46 T  | Dibromomethane              | 0.253 | 0.232 | 8.3   | 92    | 0.00     |
| 47 T  | Bromodichloromethane        | 0.541 | 0.500 | 7.6   | 93    | 0.00     |
| 48 T  | Methyl methacrylate         | 0.283 | 0.290 | -2.5  | 93    | 0.00     |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

Quant Time: Feb 20 00:49:50 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N021825W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Feb 19 03:43:32 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                 | 0.005 | 0.006 | -20.0  | 93    | 0.00     |
| 50 S  | Toluene-d8                  | 1.190 | 1.326 | -11.4  | 107   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 0.367 | 0.380 | -3.5   | 97    | 0.00     |
| 52 CM | Toluene                     | 0.870 | 0.868 | 0.2#   | 93    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 0.500 | 0.505 | -1.0   | 93    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 0.548 | 0.542 | 1.1    | 92    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 0.346 | 0.323 | 6.6    | 94    | 0.00     |
| 56 T  | Ethyl methacrylate          | 0.434 | 0.489 | -12.7  | 95    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 0.577 | 0.552 | 4.3    | 94    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 0.195 | 0.258 | -32.3# | 143   | 0.00     |
| 59 T  | 2-Hexanone                  | 0.253 | 0.280 | -10.7  | 99    | 0.00     |
| 60 T  | Dibromochloromethane        | 0.403 | 0.389 | 3.5    | 93    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 0.327 | 0.315 | 3.7    | 94    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 0.392 | 0.465 | -18.6  | 107   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 1.000 | 1.000 | 0.0    | 99    | 0.00     |
| 64 T  | Tetrachloroethene           | 0.387 | 0.337 | 12.9   | 93    | 0.00     |
| 65 PM | Chlorobenzene               | 1.145 | 1.033 | 9.8    | 92    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 0.412 | 0.370 | 10.2   | 93    | 0.00     |
| 67 C  | Ethyl Benzene               | 1.794 | 1.793 | 0.1#   | 94    | 0.00     |
| 68 T  | m/p-Xylenes                 | 0.682 | 0.704 | -3.2   | 94    | 0.00     |
| 69 T  | o-Xylene                    | 0.648 | 0.665 | -2.6   | 94    | 0.00     |
| 70 T  | Styrene                     | 1.059 | 1.140 | -7.6   | 94    | 0.00     |
| 71 P  | Bromoform                   | 0.306 | 0.290 | 5.2    | 95    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0    | 102   | 0.00     |
| 73 T  | Isopropylbenzene            | 3.425 | 3.305 | 3.5    | 94    | 0.00     |
| 74 T  | N-amyl acetate              | 1.208 | 1.165 | 3.6    | 96    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 1.179 | 0.989 | 16.1   | 96    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 1.111 | 1.016 | 8.6    | 110   | 0.00     |
| 77 T  | Bromobenzene                | 0.925 | 0.821 | 11.2   | 93    | 0.00     |
| 78 T  | n-propylbenzene             | 3.923 | 3.908 | 0.4    | 94    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 2.621 | 2.403 | 8.3    | 94    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 2.790 | 2.789 | 0.0    | 93    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 0.381 | 0.357 | 6.3    | 92    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 2.598 | 2.440 | 6.1    | 94    | 0.00     |
| 83 T  | tert-Butylbenzene           | 2.346 | 2.320 | 1.1    | 92    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 2.761 | 2.832 | -2.6   | 94    | 0.00     |
| 85 T  | sec-Butylbenzene            | 3.315 | 3.311 | 0.1    | 93    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 2.665 | 2.781 | -4.4   | 93    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 1.734 | 1.516 | 12.6   | 95    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 1.777 | 1.504 | 15.4   | 93    | 0.00     |
| 89 T  | n-Butylbenzene              | 2.354 | 2.335 | 0.8    | 94    | 0.00     |
| 90 T  | Hexachloroethane            | 0.628 | 0.533 | 15.1   | 93    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 1.667 | 1.463 | 12.2   | 95    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 0.216 | 0.175 | 19.0   | 93    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 0.794 | 0.723 | 8.9    | 92    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 0.483 | 0.377 | 21.9   | 91    | 0.00     |
| 95 T  | Naphthalene                 | 2.181 | 2.006 | 8.0    | 88    | 0.00     |

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Quant Title : SW846 8260  
QLast Update : Wed Feb 19 03:43:32 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 | 0.798 | 0.681 | 14.7 | 88    | 0.00     |

(#) = Out of Range                      SPCC's out = 0    CCC's out = 6