

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN081624\  
 Data File : VN083345.D  
 Acq On : 16 Aug 2024 11:14  
 Operator : JC\MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

Quant Time: Aug 17 01:40:57 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N080724W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Aug 08 06:30:41 2024  
 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    | 79    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 0.567 | 0.576 | -1.6   | 80    | 0.00     |
| 3 P   | Chloromethane               | 0.581 | 0.584 | -0.5   | 78    | 0.00     |
| 4 C   | Vinyl Chloride              | 0.592 | 0.639 | -7.9#  | 85    | 0.00     |
| 5 T   | Bromomethane                | 0.368 | 0.375 | -1.9   | 83    | 0.00     |
| 6 T   | Chloroethane                | 0.371 | 0.416 | -12.1  | 92    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 0.979 | 1.089 | -11.2  | 87    | 0.00     |
| 8 T   | Diethyl Ether               | 0.364 | 0.385 | -5.8   | 83    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 0.539 | 0.610 | -13.2  | 88    | 0.00     |
| 10 T  | Methyl Iodide               | 0.710 | 0.634 | 10.7   | 68    | 0.00     |
| 11 T  | Tert butyl alcohol          | 0.148 | 0.142 | 4.1    | 77    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 0.554 | 0.572 | -3.2#  | 83    | 0.00     |
| 13 T  | Acrolein                    | 0.096 | 0.083 | 13.5   | 64    | 0.00     |
| 14 T  | Allyl chloride              | 1.047 | 1.053 | -0.6   | 89    | 0.00     |
| 15 T  | Acrylonitrile               | 0.304 | 0.309 | -1.6   | 80    | 0.00     |
| 16 T  | Acetone                     | 0.278 | 0.350 | -25.9# | 97    | 0.00     |
| 17 T  | Carbon Disulfide            | 1.622 | 1.414 | 12.8   | 72    | 0.00     |
| 18 T  | Methyl Acetate              | 0.830 | 0.890 | -7.2   | 91    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 2.001 | 2.158 | -7.8   | 84    | 0.00     |
| 20 T  | Methylene Chloride          | 0.641 | 0.643 | -0.3   | 85    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 0.573 | 0.587 | -2.4   | 81    | 0.00     |
| 22 T  | Diisopropyl ether           | 1.969 | 2.204 | -11.9  | 87    | 0.00     |
| 23 T  | Vinyl Acetate               | 2.018 | 2.166 | -7.3   | 82    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 1.073 | 1.198 | -11.6  | 88    | 0.00     |
| 25 T  | 2-Butanone                  | 0.428 | 0.450 | -5.1   | 83    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 0.997 | 1.159 | -16.2  | 90    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 0.691 | 0.740 | -7.1   | 85    | 0.00     |
| 28 T  | Bromochloromethane          | 0.439 | 0.463 | -5.5   | 84    | 0.00     |
| 29 T  | Tetrahydrofuran             | 0.276 | 0.272 | 1.4    | 77    | 0.00     |
| 30 C  | Chloroform                  | 1.115 | 1.286 | -15.3# | 90    | 0.00     |
| 31 T  | Cyclohexane                 | 1.055 | 0.986 | 6.5    | 79    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 1.055 | 1.182 | -12.0  | 87    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 0.712 | 0.835 | -17.3  | 89    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0    | 80    | 0.00     |
| 35 S  | Dibromofluoromethane        | 0.312 | 0.355 | -13.8  | 86    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 0.472 | 0.503 | -6.6   | 85    | 0.00     |
| 37 T  | Ethyl Acetate               | 0.529 | 0.515 | 2.6    | 82    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 0.532 | 0.586 | -10.2  | 86    | 0.00     |
| 39 T  | Methylcyclohexane           | 0.580 | 0.594 | -2.4   | 80    | 0.00     |
| 40 TM | Benzene                     | 1.406 | 1.529 | -8.7   | 85    | 0.00     |
| 41 T  | Methacrylonitrile           | 0.301 | 0.299 | 0.7    | 84    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 0.512 | 0.574 | -12.1  | 88    | 0.00     |
| 43 T  | Isopropyl Acetate           | 1.211 | 0.902 | 25.5#  | 78    | 0.00     |
| 44 TM | Trichloroethene             | 0.335 | 0.367 | -9.6   | 85    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 0.334 | 0.387 | -15.9# | 90    | 0.00     |
| 46 T  | Dibromomethane              | 0.239 | 0.274 | -14.6  | 87    | 0.00     |
| 47 T  | Bromodichloromethane        | 0.537 | 0.600 | -11.7  | 89    | 0.00     |
| 48 T  | Methyl methacrylate         | 0.437 | 0.436 | 0.2    | 82    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN081624\  
 Data File : VN083345.D  
 Acq On : 16 Aug 2024 11:14  
 Operator : JC\MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

Quant Time: Aug 17 01:40:57 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N080724W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Aug 08 06:30:41 2024  
 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                 | 0.008 | 0.008 | 0.0    | 73    | 0.00     |
| 50 S  | Toluene-d8                  | 1.164 | 1.314 | -12.9  | 83    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 0.500 | 0.525 | -5.0   | 81    | 0.00     |
| 52 CM | Toluene                     | 0.889 | 0.994 | -11.8# | 86    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 0.551 | 0.626 | -13.6  | 84    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 0.586 | 0.650 | -10.9  | 86    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 0.318 | 0.365 | -14.8  | 87    | 0.00     |
| 56 T  | Ethyl methacrylate          | 0.600 | 0.636 | -6.0   | 81    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 0.568 | 0.642 | -13.0  | 87    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 0.254 | 0.253 | 0.4    | 77    | 0.00     |
| 59 T  | 2-Hexanone                  | 0.387 | 0.407 | -5.2   | 82    | 0.00     |
| 60 T  | Dibromochloromethane        | 0.385 | 0.446 | -15.8  | 86    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 0.335 | 0.371 | -10.7  | 85    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 0.454 | 0.517 | -13.9  | 84    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 1.000 | 1.000 | 0.0    | 81    | 0.00     |
| 64 T  | Tetrachloroethene           | 0.331 | 0.359 | -8.5   | 85    | 0.00     |
| 65 PM | Chlorobenzene               | 1.105 | 1.209 | -9.4   | 86    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 0.390 | 0.434 | -11.3  | 88    | 0.00     |
| 67 C  | Ethyl Benzene               | 2.027 | 2.226 | -9.8#  | 87    | 0.00     |
| 68 T  | m/p-Xylenes                 | 0.759 | 0.835 | -10.0  | 86    | 0.00     |
| 69 T  | o-Xylene                    | 0.749 | 0.818 | -9.2   | 85    | 0.00     |
| 70 T  | Styrene                     | 1.258 | 1.421 | -13.0  | 86    | 0.00     |
| 71 P  | Bromoform                   | 0.295 | 0.324 | -9.8   | 82    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0    | 82    | 0.00     |
| 73 T  | Isopropylbenzene            | 4.182 | 4.450 | -6.4   | 86    | 0.00     |
| 74 T  | N-amyl acetate              | 2.046 | 1.940 | 5.2    | 80    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 1.183 | 1.202 | -1.6   | 85    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 1.097 | 1.117 | -1.8   | 87    | 0.00     |
| 77 T  | Bromobenzene                | 0.929 | 0.999 | -7.5   | 86    | 0.00     |
| 78 T  | n-propylbenzene             | 4.816 | 5.318 | -10.4  | 88    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 3.053 | 3.280 | -7.4   | 88    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 3.501 | 3.787 | -8.2   | 87    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 0.504 | 0.445 | 11.7   | 74    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 3.062 | 3.262 | -6.5   | 87    | 0.00     |
| 83 T  | tert-Butylbenzene           | 3.101 | 3.318 | -7.0   | 87    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 3.529 | 3.845 | -9.0   | 87    | 0.00     |
| 85 T  | sec-Butylbenzene            | 4.231 | 4.636 | -9.6   | 87    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 3.493 | 3.907 | -11.9  | 87    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 1.748 | 1.859 | -6.4   | 87    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 1.762 | 1.872 | -6.2   | 87    | 0.00     |
| 89 T  | n-Butylbenzene              | 3.027 | 3.449 | -13.9  | 88    | 0.00     |
| 90 T  | Hexachloroethane            | 0.675 | 0.697 | -3.3   | 83    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 1.692 | 1.794 | -6.0   | 87    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 0.287 | 0.265 | 7.7    | 78    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 0.948 | 1.037 | -9.4   | 87    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 0.421 | 0.427 | -1.4   | 86    | 0.00     |
| 95 T  | Naphthalene                 | 3.357 | 3.359 | -0.1   | 80    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN081624\  
Data File : VN083345.D  
Acq On : 16 Aug 2024 11:14  
Operator : JC\MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
LabSampleId :  
VSTDCCC050

Quant Time: Aug 17 01:40:57 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N080724W.M  
Quant Title : SW846 8260  
QLast Update : Thu Aug 08 06:30:41 2024  
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 | 0.938 | 0.988 | -5.3 | 85    | 0.00     |

(#) = Out of Range

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