

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN081324\  
 Data File : VN083246.D  
 Acq On : 13 Aug 2024 10:18  
 Operator : JC\MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

Quant Time: Aug 14 01:37:45 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   | 87    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 0.567 | 0.543 | 4.2   | 83    | 0.00     |
| 3 P   | Chloromethane               | 0.581 | 0.552 | 5.0   | 81    | 0.00     |
| 4 C   | Vinyl Chloride              | 0.592 | 0.583 | 1.5#  | 85    | 0.00     |
| 5 T   | Bromomethane                | 0.368 | 0.364 | 1.1   | 89    | 0.00     |
| 6 T   | Chloroethane                | 0.371 | 0.385 | -3.8  | 94    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 0.979 | 1.022 | -4.4  | 89    | 0.00     |
| 8 T   | Diethyl Ether               | 0.364 | 0.356 | 2.2   | 84    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 0.539 | 0.549 | -1.9  | 87    | 0.00     |
| 10 T  | Methyl Iodide               | 0.710 | 0.699 | 1.5   | 82    | 0.00     |
| 11 T  | Tert butyl alcohol          | 0.148 | 0.145 | 2.0   | 86    | -0.01    |
| 12 CM | 1,1-Dichloroethene          | 0.554 | 0.529 | 4.5#  | 84    | 0.00     |
| 13 T  | Acrolein                    | 0.096 | 0.091 | 5.2   | 78    | 0.00     |
| 14 T  | Allyl chloride              | 1.047 | 0.883 | 15.7  | 82    | 0.00     |
| 15 T  | Acrylonitrile               | 0.304 | 0.286 | 5.9   | 81    | 0.00     |
| 16 T  | Acetone                     | 0.278 | 0.290 | -4.3  | 88    | 0.00     |
| 17 T  | Carbon Disulfide            | 1.622 | 1.379 | 15.0  | 77    | 0.00     |
| 18 T  | Methyl Acetate              | 0.830 | 0.802 | 3.4   | 90    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 2.001 | 2.005 | -0.2  | 86    | 0.00     |
| 20 T  | Methylene Chloride          | 0.641 | 0.597 | 6.9   | 87    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 0.573 | 0.548 | 4.4   | 83    | 0.00     |
| 22 T  | Diisopropyl ether           | 1.969 | 1.992 | -1.2  | 86    | 0.00     |
| 23 T  | Vinyl Acetate               | 2.018 | 2.048 | -1.5  | 85    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 1.073 | 1.109 | -3.4  | 89    | 0.00     |
| 25 T  | 2-Butanone                  | 0.428 | 0.402 | 6.1   | 82    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 0.997 | 1.056 | -5.9  | 90    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 0.691 | 0.688 | 0.4   | 87    | 0.00     |
| 28 T  | Bromochloromethane          | 0.439 | 0.443 | -0.9  | 88    | 0.00     |
| 29 T  | Tetrahydrofuran             | 0.276 | 0.256 | 7.2   | 80    | 0.00     |
| 30 C  | Chloroform                  | 1.115 | 1.176 | -5.5# | 90    | 0.00     |
| 31 T  | Cyclohexane                 | 1.055 | 0.949 | 10.0  | 84    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 1.055 | 1.096 | -3.9  | 89    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 0.712 | 0.742 | -4.2  | 87    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0   | 88    | 0.00     |
| 35 S  | Dibromofluoromethane        | 0.312 | 0.317 | -1.6  | 84    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 0.472 | 0.469 | 0.6   | 87    | 0.00     |
| 37 T  | Ethyl Acetate               | 0.529 | 0.490 | 7.4   | 87    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 0.532 | 0.541 | -1.7  | 88    | 0.00     |
| 39 T  | Methylcyclohexane           | 0.580 | 0.556 | 4.1   | 82    | 0.00     |
| 40 TM | Benzene                     | 1.406 | 1.424 | -1.3  | 87    | 0.00     |
| 41 T  | Methacrylonitrile           | 0.301 | 0.279 | 7.3   | 87    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 0.512 | 0.536 | -4.7  | 91    | 0.00     |
| 43 T  | Isopropyl Acetate           | 1.211 | 0.885 | 26.9# | 85    | 0.00     |
| 44 TM | Trichloroethene             | 0.335 | 0.337 | -0.6  | 87    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 0.334 | 0.344 | -3.0# | 88    | 0.00     |
| 46 T  | Dibromomethane              | 0.239 | 0.250 | -4.6  | 88    | 0.00     |
| 47 T  | Bromodichloromethane        | 0.537 | 0.549 | -2.2  | 90    | 0.00     |
| 48 T  | Methyl methacrylate         | 0.437 | 0.412 | 5.7   | 86    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN081324\  
 Data File : VN083246.D  
 Acq On : 13 Aug 2024 10:18  
 Operator : JC\MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

Quant Time: Aug 14 01:37:45 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 | 0.007 | 12.5  | 75    | 0.00     |
| 50 S  | Toluene-d8                  | 1.164 | 1.180 | -1.4  | 83    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 0.500 | 0.492 | 1.6   | 84    | 0.00     |
| 52 CM | Toluene                     | 0.889 | 0.901 | -1.3# | 86    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 0.551 | 0.581 | -5.4  | 86    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 0.586 | 0.599 | -2.2  | 87    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 0.318 | 0.334 | -5.0  | 88    | 0.00     |
| 56 T  | Ethyl methacrylate          | 0.600 | 0.596 | 0.7   | 84    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 0.568 | 0.598 | -5.3  | 89    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 0.254 | 0.263 | -3.5  | 89    | 0.00     |
| 59 T  | 2-Hexanone                  | 0.387 | 0.369 | 4.7   | 82    | 0.00     |
| 60 T  | Dibromochloromethane        | 0.385 | 0.413 | -7.3  | 88    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 0.335 | 0.344 | -2.7  | 87    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 0.454 | 0.461 | -1.5  | 83    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 1.000 | 1.000 | 0.0   | 90    | 0.00     |
| 64 T  | Tetrachloroethene           | 0.331 | 0.327 | 1.2   | 86    | 0.00     |
| 65 PM | Chlorobenzene               | 1.105 | 1.113 | -0.7  | 87    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 0.390 | 0.394 | -1.0  | 88    | 0.00     |
| 67 C  | Ethyl Benzene               | 2.027 | 2.048 | -1.0# | 88    | 0.00     |
| 68 T  | m/p-Xylenes                 | 0.759 | 0.771 | -1.6  | 88    | 0.00     |
| 69 T  | o-Xylene                    | 0.749 | 0.758 | -1.2  | 88    | 0.00     |
| 70 T  | Styrene                     | 1.258 | 1.282 | -1.9  | 86    | 0.00     |
| 71 P  | Bromoform                   | 0.295 | 0.306 | -3.7  | 86    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0   | 92    | 0.00     |
| 73 T  | Isopropylbenzene            | 4.182 | 4.089 | 2.2   | 89    | 0.00     |
| 74 T  | N-amyl acetate              | 2.046 | 1.806 | 11.7  | 83    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 1.183 | 1.133 | 4.2   | 89    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 1.097 | 1.009 | 8.0   | 87    | 0.00     |
| 77 T  | Bromobenzene                | 0.929 | 0.920 | 1.0   | 88    | 0.00     |
| 78 T  | n-propylbenzene             | 4.816 | 4.768 | 1.0   | 88    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 3.053 | 2.965 | 2.9   | 89    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 3.501 | 3.436 | 1.9   | 88    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 0.504 | 0.437 | 13.3  | 82    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 3.062 | 2.990 | 2.4   | 89    | 0.00     |
| 83 T  | tert-Butylbenzene           | 3.101 | 2.994 | 3.5   | 87    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 3.529 | 3.466 | 1.8   | 87    | 0.00     |
| 85 T  | sec-Butylbenzene            | 4.231 | 4.165 | 1.6   | 87    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 3.493 | 3.478 | 0.4   | 87    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 1.748 | 1.675 | 4.2   | 87    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 1.762 | 1.696 | 3.7   | 88    | 0.00     |
| 89 T  | n-Butylbenzene              | 3.027 | 2.995 | 1.1   | 86    | 0.00     |
| 90 T  | Hexachloroethane            | 0.675 | 0.658 | 2.5   | 88    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 1.692 | 1.632 | 3.5   | 88    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 0.287 | 0.252 | 12.2  | 83    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 0.948 | 0.916 | 3.4   | 86    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 0.421 | 0.371 | 11.9  | 83    | 0.00     |
| 95 T  | Naphthalene                 | 3.357 | 3.104 | 7.5   | 82    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN081324\  
Data File : VN083246.D  
Acq On : 13 Aug 2024 10:18  
Operator : JC\MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
LabSampleId :  
VSTDCCC050

Quant Time: Aug 14 01:37:45 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 | 0.898 | 4.3  | 86    | 0.00     |

(#) = Out of Range

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