

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN020724\  
 Data File : VN080928.D  
 Acq On : 07 Feb 2024 09:43  
 Operator : JC\MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

Quant Time: Feb 08 00:20:41 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N020624W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Feb 07 06:22:23 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   | 110   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 0.566 | 0.486 | 14.1  | 88    | 0.00     |
| 3 P   | Chloromethane               | 0.722 | 0.534 | 26.0# | 95    | 0.00     |
| 4 C   | Vinyl Chloride              | 0.740 | 0.639 | 13.6# | 97    | 0.00     |
| 5 T   | Bromomethane                | 0.476 | 0.398 | 16.4  | 97    | 0.00     |
| 6 T   | Chloroethane                | 0.522 | 0.427 | 18.2  | 97    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 0.969 | 0.864 | 10.8  | 95    | 0.00     |
| 8 T   | Diethyl Ether               | 0.346 | 0.294 | 15.0  | 92    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 0.545 | 0.484 | 11.2  | 96    | 0.00     |
| 10 T  | Methyl Iodide               | 0.527 | 0.487 | 7.6   | 95    | 0.00     |
| 11 T  | Tert butyl alcohol          | 0.087 | 0.071 | 18.4  | 88    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 0.536 | 0.462 | 13.8# | 94    | 0.00     |
| 13 T  | Acrolein                    | 0.110 | 0.096 | 12.7  | 89    | 0.00     |
| 14 T  | Allyl chloride              | 0.710 | 0.649 | 8.6   | 100   | 0.00     |
| 15 T  | Acrylonitrile               | 0.238 | 0.210 | 11.8  | 93    | 0.00     |
| 16 T  | Acetone                     | 0.208 | 0.170 | 18.3  | 98    | 0.00     |
| 17 T  | Carbon Disulfide            | 1.352 | 1.175 | 13.1  | 97    | 0.00     |
| 18 T  | Methyl Acetate              | 0.791 | 0.532 | 32.7# | 93    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 1.786 | 1.632 | 8.6   | 96    | 0.00     |
| 20 T  | Methylene Chloride          | 0.629 | 0.534 | 15.1  | 97    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 0.602 | 0.518 | 14.0  | 96    | 0.00     |
| 22 T  | Diisopropyl ether           | 1.646 | 1.558 | 5.3   | 101   | 0.00     |
| 23 T  | Vinyl Acetate               | 1.085 | 1.117 | -2.9  | 97    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 1.072 | 0.960 | 10.4  | 99    | 0.00     |
| 25 T  | 2-Butanone                  | 0.333 | 0.274 | 17.7  | 95    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 0.980 | 0.917 | 6.4   | 99    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 0.699 | 0.633 | 9.4   | 96    | 0.00     |
| 28 T  | Bromochloromethane          | 0.446 | 0.452 | -1.3  | 109   | 0.00     |
| 29 T  | Tetrahydrofuran             | 0.204 | 0.169 | 17.2  | 91    | 0.00     |
| 30 C  | Chloroform                  | 1.185 | 1.064 | 10.2# | 98    | 0.00     |
| 31 T  | Cyclohexane                 | 0.862 | 0.709 | 17.7  | 94    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 1.027 | 0.953 | 7.2   | 96    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 0.631 | 0.624 | 1.1   | 97    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0   | 96    | 0.00     |
| 35 S  | Dibromofluoromethane        | 0.268 | 0.293 | -9.3  | 102   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 0.399 | 0.421 | -5.5  | 100   | 0.00     |
| 37 T  | Ethyl Acetate               | 0.302 | 0.308 | -2.0  | 94    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 0.409 | 0.436 | -6.6  | 96    | 0.00     |
| 39 T  | Methylcyclohexane           | 0.445 | 0.398 | 10.6  | 80    | 0.00     |
| 40 TM | Benzene                     | 1.215 | 1.257 | -3.5  | 88    | 0.00     |
| 41 T  | Methacrylonitrile           | 0.180 | 0.173 | 3.9   | 92    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 0.423 | 0.428 | -1.2  | 91    | 0.00     |
| 43 T  | Isopropyl Acetate           | 0.555 | 0.556 | -0.2  | 87    | 0.00     |
| 44 TM | Trichloroethene             | 0.369 | 0.328 | 11.1  | 85    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 0.328 | 0.305 | 7.0#  | 86    | 0.00     |
| 46 T  | Dibromomethane              | 0.242 | 0.225 | 7.0   | 86    | 0.00     |
| 47 T  | Bromodichloromethane        | 0.474 | 0.465 | 1.9   | 91    | 0.00     |
| 48 T  | Methyl methacrylate         | 0.313 | 0.251 | 19.8  | 81    | 0.00     |

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 Sample : VSTDCCC050  
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 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

Quant Time: Feb 08 00:20:41 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N020624W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Feb 07 06:22:23 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                 | 0.006 | 0.004 | 33.3# | 74    | 0.00     |
| 50 S  | Toluene-d8                  | 0.970 | 1.038 | -7.0  | 102   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 0.335 | 0.317 | 5.4   | 92    | 0.00     |
| 52 CM | Toluene                     | 0.814 | 0.804 | 1.2#  | 98    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 0.459 | 0.496 | -8.1  | 101   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 0.515 | 0.528 | -2.5  | 98    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 0.315 | 0.311 | 1.3   | 96    | 0.00     |
| 56 T  | Ethyl methacrylate          | 0.376 | 0.434 | -15.4 | 94    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 0.510 | 0.526 | -3.1  | 100   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 0.228 | 0.218 | 4.4   | 83    | 0.00     |
| 59 T  | 2-Hexanone                  | 0.254 | 0.245 | 3.5   | 95    | 0.00     |
| 60 T  | Dibromochloromethane        | 0.321 | 0.342 | -6.5  | 96    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 0.314 | 0.317 | -1.0  | 96    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 0.353 | 0.370 | -4.8  | 99    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 1.000 | 1.000 | 0.0   | 108   | 0.00     |
| 64 T  | Tetrachloroethene           | 0.377 | 0.318 | 15.6  | 96    | 0.00     |
| 65 PM | Chlorobenzene               | 1.048 | 0.953 | 9.1   | 98    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 0.378 | 0.357 | 5.6   | 98    | 0.00     |
| 67 C  | Ethyl Benzene               | 1.805 | 1.688 | 6.5#  | 98    | 0.00     |
| 68 T  | m/p-Xylenes                 | 0.686 | 0.648 | 5.5   | 98    | 0.00     |
| 69 T  | o-Xylene                    | 0.665 | 0.644 | 3.2   | 99    | 0.00     |
| 70 T  | Styrene                     | 0.999 | 1.071 | -7.2  | 98    | 0.00     |
| 71 P  | Bromoform                   | 0.253 | 0.248 | 2.0   | 96    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0   | 108   | 0.00     |
| 73 T  | Isopropylbenzene            | 3.889 | 3.595 | 7.6   | 96    | 0.00     |
| 74 T  | N-amyl acetate              | 1.402 | 1.258 | 10.3  | 94    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 1.210 | 1.033 | 14.6  | 94    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 1.019 | 0.911 | 10.6  | 94    | 0.00     |
| 77 T  | Bromobenzene                | 0.981 | 0.882 | 10.1  | 97    | 0.00     |
| 78 T  | n-propylbenzene             | 4.390 | 4.170 | 5.0   | 98    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 2.774 | 2.571 | 7.3   | 98    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 3.161 | 2.993 | 5.3   | 97    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 0.375 | 0.342 | 8.8   | 84    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 2.768 | 2.560 | 7.5   | 95    | 0.00     |
| 83 T  | tert-Butylbenzene           | 2.694 | 2.481 | 7.9   | 95    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 3.148 | 2.983 | 5.2   | 96    | 0.00     |
| 85 T  | sec-Butylbenzene            | 3.620 | 3.477 | 4.0   | 96    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 3.060 | 2.872 | 6.1   | 94    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 1.747 | 1.584 | 9.3   | 96    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 1.773 | 1.615 | 8.9   | 99    | 0.00     |
| 89 T  | n-Butylbenzene              | 2.703 | 2.515 | 7.0   | 96    | 0.00     |
| 90 T  | Hexachloroethane            | 0.482 | 0.482 | 0.0   | 101   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 1.674 | 1.549 | 7.5   | 99    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 0.226 | 0.189 | 16.4  | 91    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 0.828 | 0.780 | 5.8   | 95    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 0.359 | 0.325 | 9.5   | 97    | 0.00     |
| 95 T  | Naphthalene                 | 2.734 | 2.556 | 6.5   | 90    | 0.00     |

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N020624W.M  
Quant Title : SW846 8260  
QLast Update : Wed Feb 07 06:22:23 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 | 0.815 | 0.740 | 9.2  | 92    | 0.00     |

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