

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN103020\  
 Data File : VN064409.D  
 Acq On : 30 Oct 2020 18:50  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

Quant Time: Nov 02 03:22:00 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N102720W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Oct 27 12:23:17 2020  
 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                    | AvqRF | CCRF  | %Dev  | Area% | Dev(min) |
|-------|-----------------------------|-------|-------|-------|-------|----------|
| 1 I   | Pentafluorobenzene          | 1.000 | 1.000 | 0.0   | 93    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 0.575 | 0.548 | 4.7   | 86    | 0.00     |
| 3 P   | Chloromethane               | 0.621 | 0.592 | 4.7   | 91    | 0.00     |
| 4 C   | Vinyl Chloride              | 0.601 | 0.612 | -1.8# | 93    | 0.00     |
| 5 T   | Bromomethane                | 0.388 | 0.368 | 5.2   | 88    | 0.00     |
| 6 T   | Chloroethane                | 0.359 | 0.369 | -2.8  | 98    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 1.007 | 1.057 | -5.0  | 97    | 0.00     |
| 8 T   | Diethyl Ether               | 0.318 | 0.337 | -6.0  | 96    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 0.506 | 0.505 | 0.2   | 93    | 0.00     |
| 10 T  | Methyl Iodide               | 0.675 | 0.637 | 5.6   | 85    | 0.00     |
| 11 T  | Tert butyl alcohol          | 0.117 | 0.090 | 23.1  | 70    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 0.478 | 0.480 | -0.4# | 92    | 0.00     |
| 13 T  | Acrolein                    | 0.027 | 0.030 | -11.1 | 122   | 0.00     |
| 14 T  | Allyl chloride              | 0.975 | 0.962 | 1.3   | 92    | 0.00     |
| 15 T  | Acrylonitrile               | 0.251 | 0.251 | 0.0   | 87    | 0.00     |
| 16 T  | Acetone                     | 0.293 | 0.246 | 16.0  | 80    | 0.00     |
| 17 T  | Carbon Disulfide            | 1.413 | 1.337 | 5.4   | 89    | 0.00     |
| 18 T  | Methyl Acetate              | 0.604 | 0.609 | -0.8  | 93    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 1.835 | 1.943 | -5.9  | 96    | 0.00     |
| 20 T  | Methylene Chloride          | 0.570 | 0.578 | -1.4  | 94    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 0.533 | 0.542 | -1.7  | 95    | 0.00     |
| 22 T  | Diisopropyl ether           | 1.907 | 2.028 | -6.3  | 98    | 0.00     |
| 23 T  | Vinyl Acetate               | 1.613 | 1.744 | -8.1  | 93    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 1.067 | 1.099 | -3.0  | 95    | 0.00     |
| 25 T  | 2-Butanone                  | 0.403 | 0.376 | 6.7   | 84    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 1.044 | 1.006 | 3.6   | 89    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 0.610 | 0.638 | -4.6  | 95    | 0.00     |
| 28 T  | Bromochloromethane          | 0.508 | 0.500 | 1.6   | 93    | 0.00     |
| 29 T  | Tetrahydrofuran             | 0.262 | 0.249 | 5.0   | 85    | 0.00     |
| 30 C  | Chloroform                  | 1.139 | 1.211 | -6.3# | 99    | 0.00     |
| 31 T  | Cyclohexane                 | 0.933 | 0.877 | 6.0   | 90    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 1.093 | 1.109 | -1.5  | 94    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 0.803 | 0.785 | 2.2   | 96    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0   | 95    | 0.00     |
| 35 S  | Dibromofluoromethane        | 0.333 | 0.331 | 0.6   | 97    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 0.505 | 0.500 | 1.0   | 94    | 0.00     |
| 37 T  | Ethyl Acetate               | 0.510 | 0.480 | 5.9   | 87    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 0.585 | 0.591 | -1.0  | 93    | 0.00     |
| 39 T  | Methylcyclohexane           | 0.500 | 0.458 | 8.4   | 87    | 0.00     |
| 40 TM | Benzene                     | 1.405 | 1.414 | -0.6  | 96    | 0.00     |
| 41 T  | Methacrylonitrile           | 0.253 | 0.214 | 15.4  | 85    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 0.607 | 0.623 | -2.6  | 95    | 0.00     |
| 43 T  | Isopropyl Acetate           | 0.871 | 0.885 | -1.6  | 93    | 0.00     |
| 44 TM | Trichloroethene             | 0.368 | 0.377 | -2.4  | 93    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 0.376 | 0.381 | -1.3# | 95    | 0.00     |

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|-------|-----------------------------|-------|-------|-------|-------|----------|
| 46 T  | Dibromomethane              | 0.263 | 0.273 | -3.8  | 94    | 0.00     |
| 47 T  | Bromodichloromethane        | 0.583 | 0.586 | -0.5  | 95    | 0.00     |
| 48 T  | Methyl methacrylate         | 0.450 | 0.429 | 4.7   | 90    | 0.00     |
| 49 T  | 1,4-Dioxane                 | 0.007 | 0.005 | 28.6# | 76    | 0.00     |
| 50 S  | Toluene-d8                  | 1.233 | 1.193 | 3.2   | 96    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 0.506 | 0.502 | 0.8   | 90    | 0.00     |
| 52 CM | Toluene                     | 0.886 | 0.901 | -1.7# | 95    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 0.617 | 0.628 | -1.8  | 94    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 0.635 | 0.653 | -2.8  | 93    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 0.350 | 0.359 | -2.6  | 96    | 0.00     |
| 56 T  | Ethyl methacrylate          | 0.530 | 0.555 | -4.7  | 95    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 0.597 | 0.623 | -4.4  | 95    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 0.289 | 0.264 | 8.7   | 90    | 0.00     |
| 59 T  | 2-Hexanone                  | 0.373 | 0.362 | 2.9   | 86    | 0.00     |
| 60 T  | Dibromochloromethane        | 0.414 | 0.436 | -5.3  | 93    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 0.356 | 0.371 | -4.2  | 92    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 0.481 | 0.457 | 5.0   | 92    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 1.000 | 1.000 | 0.0   | 95    | 0.00     |
| 64 T  | Tetrachloroethene           | 0.411 | 0.384 | 6.6   | 89    | 0.00     |
| 65 PM | Chlorobenzene               | 1.014 | 1.055 | -4.0  | 97    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 0.410 | 0.423 | -3.2  | 97    | 0.00     |
| 67 C  | Ethyl Benzene               | 1.885 | 1.924 | -2.1# | 94    | 0.00     |
| 68 T  | m/p-Xylenes                 | 0.698 | 0.712 | -2.0  | 94    | 0.00     |
| 69 T  | o-Xylene                    | 0.673 | 0.686 | -1.9  | 95    | 0.00     |
| 70 T  | Styrene                     | 1.103 | 1.147 | -4.0  | 92    | 0.00     |
| 71 P  | Bromoform                   | 0.322 | 0.323 | -0.3  | 92    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0   | 95    | 0.00     |
| 73 T  | Isopropylbenzene            | 3.745 | 3.700 | 1.2   | 92    | 0.00     |
| 74 T  | N-amyl acetate              | 1.648 | 1.720 | -4.4  | 93    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 1.089 | 1.099 | -0.9  | 97    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 1.197 | 1.108 | 7.4   | 88    | 0.00     |
| 77 T  | Bromobenzene                | 0.917 | 0.940 | -2.5  | 96    | 0.00     |
| 78 T  | n-propylbenzene             | 4.240 | 4.163 | 1.8   | 90    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 2.710 | 2.617 | 3.4   | 92    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 3.169 | 3.085 | 2.7   | 90    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 0.416 | 0.390 | 6.2   | 83    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 2.761 | 2.729 | 1.2   | 91    | 0.00     |
| 83 T  | tert-Butylbenzene           | 2.600 | 2.496 | 4.0   | 90    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 3.166 | 3.123 | 1.4   | 89    | 0.00     |
| 85 T  | sec-Butylbenzene            | 3.365 | 3.194 | 5.1   | 90    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 3.031 | 2.911 | 4.0   | 89    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 1.605 | 1.571 | 2.1   | 91    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 1.635 | 1.587 | 2.9   | 92    | 0.00     |
| 89 T  | n-Butylbenzene              | 2.670 | 2.493 | 6.6   | 88    | 0.00     |

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|------|-----------------------------|-------|-------|------|-------|----------|
| 90 T | Hexachloroethane            | 0.569 | 0.553 | 2.8  | 87    | 0.00     |
| 91 T | 1,2-Dichlorobenzene         | 1.596 | 1.569 | 1.7  | 94    | 0.00     |
| 92 T | 1,2-Dibromo-3-Chloropropane | 0.270 | 0.259 | 4.1  | 86    | 0.00     |
| 93 T | 1,2,4-Trichlorobenzene      | 0.798 | 0.801 | -0.4 | 85    | 0.00     |
| 94 T | Hexachlorobutadiene         | 0.490 | 0.435 | 11.2 | 90    | 0.00     |
| 95 T | Naphthalene                 | 2.459 | 2.359 | 4.1  | 82    | 0.00     |
| 96 T | 1,2,3-Trichlorobenzene      | 0.773 | 0.752 | 2.7  | 82    | 0.00     |

(#) = Out of Range

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