

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN050222\  
 Data File : VN072303.D  
 Acq On : 02 May 2022 19:25  
 Operator : JC\MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

Quant Time: May 03 03:14:01 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N042622W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 26 18:50:11 2022  
 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   | 68    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 0.621 | 0.566 | 8.9   | 72    | 0.00     |
| 3 P   | Chloromethane               | 0.762 | 0.452 | 40.7# | 51    | 0.00     |
| 4 C   | Vinyl Chloride              | 0.563 | 0.429 | 23.8# | 59    | 0.00     |
| 5 T   | Bromomethane                | 0.307 | 0.277 | 9.8   | 71    | 0.00     |
| 6 T   | Chloroethane                | 0.372 | 0.268 | 28.0# | 53    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 0.983 | 1.013 | -3.1  | 79    | 0.00     |
| 8 T   | Diethyl Ether               | 0.356 | 0.320 | 10.1  | 63    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 0.517 | 0.471 | 8.9   | 68    | 0.00     |
| 10 T  | Methyl Iodide               | 0.627 | 0.596 | 4.9   | 67    | 0.00     |
| 11 T  | Tert butyl alcohol          | 0.126 | 0.136 | -7.9  | 76    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 0.478 | 0.424 | 11.3# | 64    | 0.00     |
| 13 T  | Acrolein                    | 0.127 | 0.103 | 18.9  | 59    | 0.00     |
| 14 T  | Allyl chloride              | 0.992 | 0.786 | 20.8  | 56    | 0.00     |
| 15 T  | Acrylonitrile               | 0.381 | 0.321 | 15.7  | 58    | 0.00     |
| 16 T  | Acetone                     | 0.331 | 0.302 | 8.8   | 67    | 0.00     |
| 17 T  | Carbon Disulfide            | 1.222 | 0.908 | 25.7# | 58    | 0.00     |
| 18 T  | Methyl Acetate              | 1.039 | 0.763 | 26.6# | 59    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 1.872 | 1.981 | -5.8  | 73    | 0.00     |
| 20 T  | Methylene Chloride          | 0.634 | 0.529 | 16.6  | 64    | 0.01     |
| 21 T  | trans-1,2-Dichloroethene    | 0.527 | 0.448 | 15.0  | 63    | 0.00     |
| 22 T  | Diisopropyl ether           | 2.042 | 1.679 | 17.8  | 59    | 0.00     |
| 23 T  | Vinyl Acetate               | 1.715 | 1.486 | 13.4  | 60    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 1.142 | 1.004 | 12.1  | 64    | 0.00     |
| 25 T  | 2-Butanone                  | 0.527 | 0.439 | 16.7  | 59    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 0.892 | 0.932 | -4.5  | 75    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 0.642 | 0.574 | 10.6  | 66    | 0.00     |
| 28 T  | Bromochloromethane          | 0.512 | 0.430 | 16.0  | 58    | 0.00     |
| 29 T  | Tetrahydrofuran             | 0.346 | 0.278 | 19.7  | 56    | 0.00     |
| 30 C  | Chloroform                  | 1.147 | 1.136 | 1.0#  | 75    | 0.00     |
| 31 T  | Cyclohexane                 | 1.026 | 0.783 | 23.7  | 59    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 0.976 | 1.089 | -11.6 | 81    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 0.768 | 0.875 | -13.9 | 81    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0   | 66    | 0.00     |
| 35 S  | Dibromofluoromethane        | 0.320 | 0.347 | -8.4  | 73    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 0.466 | 0.465 | 0.2   | 69    | 0.00     |
| 37 T  | Ethyl Acetate               | 0.619 | 0.549 | 11.3  | 62    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 0.499 | 0.571 | -14.4 | 82    | 0.00     |
| 39 T  | Methylcyclohexane           | 0.521 | 0.493 | 5.4   | 63    | 0.00     |
| 40 TM | Benzene                     | 1.445 | 1.323 | 8.4   | 64    | 0.00     |
| 41 T  | Methacrylonitrile           | 0.313 | 0.283 | 9.6   | 59    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 0.553 | 0.617 | -11.6 | 79    | 0.00     |
| 43 T  | Isopropyl Acetate           | 1.015 | 0.867 | 14.6  | 63    | 0.00     |
| 44 TM | Trichloroethene             | 0.336 | 0.318 | 5.4   | 68    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 0.390 | 0.337 | 13.6# | 60    | 0.00     |
| 46 T  | Dibromomethane              | 0.245 | 0.247 | -0.8  | 70    | 0.00     |
| 47 T  | Bromodichloromethane        | 0.513 | 0.562 | -9.6  | 74    | 0.00     |
| 48 T  | Methyl methacrylate         | 0.409 | 0.428 | -4.6  | 66    | 0.00     |

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 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

Quant Time: May 03 03:14:01 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N042622W.M  
 Quant Title : SW846 8260  
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 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                 | 0.007 | 0.008 | -14.3  | 67    | 0.00     |
| 50 S  | Toluene-d8                  | 1.258 | 1.335 | -6.1   | 70    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 0.584 | 0.548 | 6.2    | 60    | 0.00     |
| 52 CM | Toluene                     | 0.864 | 0.869 | -0.6#  | 66    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 0.516 | 0.585 | -13.4  | 73    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 0.558 | 0.592 | -6.1   | 68    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 0.362 | 0.360 | 0.6    | 68    | 0.00     |
| 56 T  | Ethyl methacrylate          | 0.537 | 0.597 | -11.2  | 68    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 0.636 | 0.624 | 1.9    | 67    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 0.129 | 0.133 | -3.1   | 57    | 0.00     |
| 59 T  | 2-Hexanone                  | 0.411 | 0.406 | 1.2    | 62    | 0.00     |
| 60 T  | Dibromochloromethane        | 0.370 | 0.412 | -11.4  | 74    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 0.356 | 0.364 | -2.2   | 69    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 0.417 | 0.505 | -21.1  | 77    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 1.000 | 1.000 | 0.0    | 67    | 0.00     |
| 64 T  | Tetrachloroethene           | 0.301 | 0.292 | 3.0    | 70    | 0.00     |
| 65 PM | Chlorobenzene               | 1.010 | 0.967 | 4.3    | 68    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 0.381 | 0.411 | -7.9   | 75    | 0.00     |
| 67 C  | Ethyl Benzene               | 1.762 | 1.855 | -5.3#  | 69    | 0.00     |
| 68 T  | m/p-Xylenes                 | 0.654 | 0.680 | -4.0   | 68    | 0.00     |
| 69 T  | o-Xylene                    | 0.634 | 0.685 | -8.0   | 69    | 0.00     |
| 70 T  | Styrene                     | 0.999 | 1.111 | -11.2  | 70    | 0.00     |
| 71 P  | Bromoform                   | 0.283 | 0.327 | -15.5  | 78    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0    | 71    | 0.00     |
| 73 T  | Isopropylbenzene            | 4.416 | 4.404 | 0.3    | 73    | 0.00     |
| 74 T  | N-amyl acetate              | 1.654 | 1.491 | 9.9    | 63    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 1.719 | 1.369 | 20.4   | 67    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 1.445 | 1.132 | 21.7   | 71    | 0.00     |
| 77 T  | Bromobenzene                | 1.044 | 0.944 | 9.6    | 72    | 0.00     |
| 78 T  | n-propylbenzene             | 4.865 | 4.776 | 1.8    | 70    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 3.195 | 3.089 | 3.3    | 73    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 3.678 | 3.744 | -1.8   | 74    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 0.432 | 0.411 | 4.9    | 67    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 2.975 | 2.957 | 0.6    | 73    | 0.00     |
| 83 T  | tert-Butylbenzene           | 3.229 | 3.241 | -0.4   | 73    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 3.558 | 3.644 | -2.4   | 72    | 0.00     |
| 85 T  | sec-Butylbenzene            | 4.210 | 4.291 | -1.9   | 72    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 3.282 | 3.553 | -8.3   | 73    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 1.690 | 1.628 | 3.7    | 71    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 1.644 | 1.601 | 2.6    | 73    | 0.00     |
| 89 T  | n-Butylbenzene              | 2.514 | 2.687 | -6.9   | 70    | 0.00     |
| 90 T  | Hexachloroethane            | 0.712 | 0.659 | 7.4    | 73    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 1.666 | 1.622 | 2.6    | 73    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 0.305 | 0.310 | -1.6   | 76    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 0.656 | 0.755 | -15.1  | 74    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 0.446 | 0.453 | -1.6   | 80    | 0.00     |
| 95 T  | Naphthalene                 | 1.870 | 2.427 | -29.8# | 74    | 0.00     |

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Quant Title : SW846 8260  
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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 | 0.634 | 0.764 | -20.5 | 77    | 0.00     |

(#) = Out of Range

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