

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN042921\  
 Data File : VN066879.D  
 Acq On : 29 Apr 2021 22:28  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

Quant Time: Apr 30 06:17:33 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N042721W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 27 16:02:50 2021  
 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   | 83    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 0.542 | 0.502 | 7.4   | 75    | 0.00     |
| 3 P   | Chloromethane               | 0.711 | 0.683 | 3.9   | 82    | 0.00     |
| 4 C   | Vinyl Chloride              | 0.695 | 0.691 | 0.6#  | 81    | 0.00     |
| 5 T   | Bromomethane                | 0.453 | 0.439 | 3.1   | 81    | 0.00     |
| 6 T   | Chloroethane                | 0.432 | 0.427 | 1.2   | 81    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 0.835 | 0.824 | 1.3   | 82    | 0.00     |
| 8 T   | Diethyl Ether               | 0.339 | 0.325 | 4.1   | 77    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 0.494 | 0.479 | 3.0   | 80    | 0.00     |
| 10 T  | Methyl Iodide               | 0.755 | 0.760 | -0.7  | 81    | 0.00     |
| 11 T  | Tert butyl alcohol          | 0.099 | 0.083 | 16.2  | 69    | 0.01     |
| 12 CM | 1,1-Dichloroethene          | 0.500 | 0.478 | 4.4#  | 77    | 0.00     |
| 13 T  | Acrolein                    | 0.083 | 0.081 | 2.4   | 80    | 0.00     |
| 14 T  | Allyl chloride              | 0.940 | 0.777 | 17.3  | 66    | 0.00     |
| 15 T  | Acrylonitrile               | 0.263 | 0.266 | -1.1  | 77    | 0.00     |
| 16 T  | Acetone                     | 0.242 | 0.195 | 19.4  | 69    | 0.00     |
| 17 T  | Carbon Disulfide            | 1.535 | 1.425 | 7.2   | 76    | 0.00     |
| 18 T  | Methyl Acetate              | 0.724 | 0.574 | 20.7  | 73    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 1.714 | 1.576 | 8.1   | 74    | 0.00     |
| 20 T  | Methylene Chloride          | 0.614 | 0.603 | 1.8   | 82    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 0.538 | 0.535 | 0.6   | 79    | 0.00     |
| 22 T  | Diisopropyl ether           | 1.875 | 1.640 | 12.5  | 69    | 0.00     |
| 23 T  | Vinyl Acetate               | 1.560 | 1.342 | 14.0  | 66    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 1.039 | 0.981 | 5.6   | 76    | 0.00     |
| 25 T  | 2-Butanone                  | 0.341 | 0.307 | 10.0  | 70    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 0.882 | 0.680 | 22.9  | 63    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 0.623 | 0.611 | 1.9   | 78    | 0.00     |
| 28 T  | Bromochloromethane          | 0.477 | 0.431 | 9.6   | 75    | 0.00     |
| 29 T  | Tetrahydrofuran             | 0.233 | 0.211 | 9.4   | 70    | 0.00     |
| 30 C  | Chloroform                  | 1.008 | 0.981 | 2.7#  | 79    | 0.00     |
| 31 T  | Cyclohexane                 | 0.993 | 0.814 | 18.0  | 69    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 0.862 | 0.820 | 4.9   | 77    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 0.642 | 0.540 | 15.9  | 72    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0   | 76    | 0.00     |
| 35 S  | Dibromofluoromethane        | 0.309 | 0.331 | -7.1  | 82    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 0.465 | 0.470 | -1.1  | 74    | 0.00     |
| 37 T  | Ethyl Acetate               | 0.493 | 0.452 | 8.3   | 67    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 0.446 | 0.482 | -8.1  | 79    | 0.00     |
| 39 T  | Methylcyclohexane           | 0.550 | 0.554 | -0.7  | 72    | 0.00     |
| 40 TM | Benzene                     | 1.442 | 1.559 | -8.1  | 78    | 0.00     |
| 41 T  | Methacrylonitrile           | 0.224 | 0.208 | 7.1   | 62    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 0.487 | 0.465 | 4.5   | 69    | 0.00     |
| 43 T  | Isopropyl Acetate           | 0.784 | 0.721 | 8.0   | 65    | 0.00     |
| 44 TM | Trichloroethene             | 0.351 | 0.391 | -11.4 | 81    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 0.385 | 0.413 | -7.3# | 79    | 0.00     |
| 46 T  | Dibromomethane              | 0.235 | 0.263 | -11.9 | 80    | 0.00     |
| 47 T  | Bromodichloromethane        | 0.493 | 0.535 | -8.5  | 78    | 0.00     |
| 48 T  | Methyl methacrylate         | 0.342 | 0.330 | 3.5   | 65    | 0.00     |

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 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

Quant Time: Apr 30 06:17:33 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N042721W.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                 | 0.005 | 0.006 | -20.0  | 85    | 0.00     |
| 50 S  | Toluene-d8                  | 1.211 | 1.269 | -4.8   | 81    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 0.426 | 0.443 | -4.0   | 70    | 0.00     |
| 52 CM | Toluene                     | 0.867 | 0.970 | -11.9# | 80    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 0.527 | 0.548 | -4.0   | 72    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 0.591 | 0.619 | -4.7   | 74    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 0.333 | 0.391 | -17.4  | 83    | 0.00     |
| 56 T  | Ethyl methacrylate          | 0.453 | 0.514 | -13.5  | 73    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 0.570 | 0.635 | -11.4  | 79    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 0.102 | 0.102 | 0.0    | 66    | 0.00     |
| 59 T  | 2-Hexanone                  | 0.253 | 0.292 | -15.4  | 69    | 0.00     |
| 60 T  | Dibromochloromethane        | 0.363 | 0.442 | -21.8  | 85    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 0.334 | 0.397 | -18.9  | 82    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 0.410 | 0.451 | -10.0  | 82    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 1.000 | 1.000 | 0.0    | 82    | 0.00     |
| 64 T  | Tetrachloroethene           | 0.331 | 0.363 | -9.7   | 88    | 0.00     |
| 65 PM | Chlorobenzene               | 1.006 | 1.067 | -6.1   | 83    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 0.375 | 0.419 | -11.7  | 87    | 0.00     |
| 67 C  | Ethyl Benzene               | 1.764 | 1.833 | -3.9#  | 78    | 0.00     |
| 68 T  | m/p-Xylenes                 | 0.647 | 0.716 | -10.7  | 82    | 0.00     |
| 69 T  | o-Xylene                    | 0.646 | 0.692 | -7.1   | 81    | 0.00     |
| 70 T  | Styrene                     | 0.976 | 1.137 | -16.5  | 82    | 0.00     |
| 71 P  | Bromoform                   | 0.272 | 0.336 | -23.5  | 89    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0    | 85    | 0.00     |
| 73 T  | Isopropylbenzene            | 3.665 | 3.643 | 0.6    | 80    | 0.00     |
| 74 T  | N-amyl acetate              | 0.866 | 0.620 | 28.4#  | 51    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 1.206 | 1.238 | -2.7   | 84    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 1.054 | 0.918 | 12.9   | 67    | 0.00     |
| 77 T  | Bromobenzene                | 0.904 | 0.990 | -9.5   | 89    | 0.00     |
| 78 T  | n-propylbenzene             | 4.042 | 4.117 | -1.9   | 79    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 2.571 | 2.533 | 1.5    | 82    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 3.094 | 3.128 | -1.1   | 82    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 0.314 | 0.306 | 2.5    | 71    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 2.481 | 2.523 | -1.7   | 81    | 0.00     |
| 83 T  | tert-Butylbenzene           | 2.651 | 2.695 | -1.7   | 84    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 2.914 | 3.014 | -3.4   | 81    | 0.00     |
| 85 T  | sec-Butylbenzene            | 3.438 | 3.499 | -1.8   | 81    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 2.951 | 3.075 | -4.2   | 81    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 1.537 | 1.646 | -7.1   | 86    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 1.634 | 1.674 | -2.4   | 89    | 0.00     |
| 89 T  | n-Butylbenzene              | 2.515 | 2.272 | 9.7    | 71    | 0.00     |
| 90 T  | Hexachloroethane            | 0.618 | 0.641 | -3.7   | 88    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 1.558 | 1.656 | -6.3   | 88    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 0.216 | 0.198 | 8.3    | 80    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 0.863 | 0.918 | -6.4   | 83    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 0.479 | 0.508 | -6.1   | 91    | 0.00     |
| 95 T  | Naphthalene                 | 2.221 | 2.261 | -1.8   | 81    | 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 | 0.834 | 0.906 | -8.6 | 89    | 0.00     |

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