

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN062221\  
 Data File : VN067448.D  
 Acq On : 22 Jun 2021 20:04  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

Quant Time: Jun 23 04:07:26 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N061421W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jun 15 05:19:42 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    | 71    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 0.734 | 0.825 | -12.4  | 73    | 0.00     |
| 3 P   | Chloromethane               | 0.759 | 0.967 | -27.4# | 92    | 0.00     |
| 4 C   | Vinyl Chloride              | 0.744 | 0.841 | -13.0# | 76    | 0.00     |
| 5 T   | Bromomethane                | 0.316 | 0.456 | -44.3# | 98    | 0.00     |
| 6 T   | Chloroethane                | 0.457 | 0.551 | -20.6  | 85    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 1.033 | 1.328 | -28.6# | 89    | 0.00     |
| 8 T   | Diethyl Ether               | 0.420 | 0.573 | -36.4# | 93    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 0.621 | 0.729 | -17.4  | 81    | 0.00     |
| 10 T  | Methyl Iodide               | 0.546 | 0.782 | -43.2# | 96    | 0.00     |
| 11 T  | Tert butyl alcohol          | 0.162 | 0.179 | -10.5  | 81    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 0.600 | 0.749 | -24.8# | 87    | 0.00     |
| 13 T  | Acrolein                    | 0.101 | 0.124 | -22.8  | 90    | 0.00     |
| 14 T  | Allyl chloride              | 1.331 | 1.547 | -16.2  | 82    | 0.00     |
| 15 T  | Acrylonitrile               | 0.356 | 0.513 | -44.1# | 96    | 0.00     |
| 16 T  | Acetone                     | 0.379 | 0.390 | -2.9   | 79    | 0.00     |
| 17 T  | Carbon Disulfide            | 1.937 | 2.243 | -15.8  | 83    | 0.00     |
| 18 T  | Methyl Acetate              | 0.918 | 1.168 | -27.2# | 93    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 2.407 | 2.942 | -22.2  | 81    | 0.00     |
| 20 T  | Methylene Chloride          | 0.788 | 0.933 | -18.4  | 91    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 0.665 | 0.796 | -19.7  | 84    | 0.00     |
| 22 T  | Diisopropyl ether           | 2.456 | 3.289 | -33.9# | 91    | 0.00     |
| 23 T  | Vinyl Acetate               | 2.250 | 2.836 | -26.0# | 86    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 1.378 | 1.762 | -27.9# | 88    | 0.00     |
| 25 T  | 2-Butanone                  | 0.541 | 0.684 | -26.4# | 88    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 1.396 | 1.344 | 3.7    | 68    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 0.782 | 0.974 | -24.6  | 88    | 0.00     |
| 28 T  | Bromochloromethane          | 0.641 | 0.796 | -24.2  | 91    | 0.00     |
| 29 T  | Tetrahydrofuran             | 0.341 | 0.447 | -31.1# | 88    | 0.00     |
| 30 C  | Chloroform                  | 1.446 | 1.693 | -17.1# | 82    | 0.00     |
| 31 T  | Cyclohexane                 | 1.341 | 1.631 | -21.6  | 89    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 1.329 | 1.404 | -5.6   | 72    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 0.986 | 1.011 | -2.5   | 75    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0    | 82    | 0.00     |
| 35 S  | Dibromofluoromethane        | 0.333 | 0.320 | 3.9    | 81    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 0.561 | 0.590 | -5.2   | 85    | 0.00     |
| 37 T  | Ethyl Acetate               | 0.594 | 0.650 | -9.4   | 88    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 0.603 | 0.513 | 14.9   | 68    | 0.00     |
| 39 T  | Methylcyclohexane           | 0.593 | 0.681 | -14.8  | 88    | 0.00     |
| 40 TM | Benzene                     | 1.565 | 1.801 | -15.1  | 91    | 0.00     |
| 41 T  | Methacrylonitrile           | 0.309 | 0.357 | -15.5  | 93    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 0.661 | 0.619 | 6.4    | 74    | 0.00     |
| 43 T  | Isopropyl Acetate           | 1.066 | 1.151 | -8.0   | 87    | 0.00     |
| 44 TM | Trichloroethene             | 0.366 | 0.353 | 3.6    | 76    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 0.417 | 0.499 | -19.7# | 95    | 0.00     |
| 46 T  | Dibromomethane              | 0.284 | 0.302 | -6.3   | 84    | 0.00     |
| 47 T  | Bromodichloromethane        | 0.637 | 0.634 | 0.5    | 81    | 0.00     |
| 48 T  | Methyl methacrylate         | 0.486 | 0.493 | -1.4   | 83    | 0.00     |

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 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

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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) |
|-------|-----------------------------|-------|-------|--------|-------|----------|
| 49 T  | 1,4-Dioxane                 | 0.007 | 0.007 | 0.0    | 88    | 0.00     |
| 50 S  | Toluene-d8                  | 1.275 | 1.336 | -4.8   | 88    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 0.614 | 0.688 | -12.1  | 89    | 0.00     |
| 52 CM | Toluene                     | 0.984 | 1.064 | -8.1#  | 86    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 0.705 | 0.723 | -2.6   | 81    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 0.713 | 0.779 | -9.3   | 87    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 0.380 | 0.415 | -9.2   | 89    | 0.00     |
| 56 T  | Ethyl methacrylate          | 0.684 | 0.790 | -15.5  | 92    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 0.695 | 0.783 | -12.7  | 91    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 0.199 | 0.194 | 2.5    | 81    | 0.00     |
| 59 T  | 2-Hexanone                  | 0.450 | 0.492 | -9.3   | 87    | 0.00     |
| 60 T  | Dibromochloromethane        | 0.416 | 0.392 | 5.8    | 74    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 0.398 | 0.417 | -4.8   | 85    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 0.526 | 0.488 | 7.2    | 78    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 1.000 | 1.000 | 0.0    | 82    | 0.00     |
| 64 T  | Tetrachloroethene           | 0.355 | 0.333 | 6.2    | 74    | 0.00     |
| 65 PM | Chlorobenzene               | 1.088 | 1.138 | -4.6   | 83    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 0.405 | 0.394 | 2.7    | 77    | 0.00     |
| 67 C  | Ethyl Benzene               | 2.152 | 2.265 | -5.3#  | 83    | 0.00     |
| 68 T  | m/p-Xylenes                 | 0.765 | 0.787 | -2.9   | 82    | 0.00     |
| 69 T  | o-Xylene                    | 0.748 | 0.789 | -5.5   | 84    | 0.00     |
| 70 T  | Styrene                     | 1.244 | 1.293 | -3.9   | 80    | 0.00     |
| 71 P  | Bromoform                   | 0.310 | 0.269 | 13.2   | 69    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0    | 73    | 0.00     |
| 73 T  | Isopropylbenzene            | 4.798 | 5.475 | -14.1  | 83    | 0.00     |
| 74 T  | N-amyl acetate              | 2.342 | 2.824 | -20.6  | 86    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 1.430 | 1.851 | -29.4# | 94    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 1.298 | 1.586 | -22.2  | 87    | 0.00     |
| 77 T  | Bromobenzene                | 0.977 | 1.020 | -4.4   | 76    | 0.00     |
| 78 T  | n-propylbenzene             | 5.706 | 6.739 | -18.1  | 85    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 3.553 | 3.979 | -12.0  | 82    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 4.042 | 4.518 | -11.8  | 80    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 0.524 | 0.607 | -15.8  | 86    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 3.538 | 3.943 | -11.4  | 80    | 0.00     |
| 83 T  | tert-Butylbenzene           | 3.218 | 3.618 | -12.4  | 80    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 3.993 | 4.390 | -9.9   | 80    | 0.00     |
| 85 T  | sec-Butylbenzene            | 4.556 | 5.404 | -18.6  | 85    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 3.677 | 3.977 | -8.2   | 78    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 1.762 | 1.842 | -4.5   | 74    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 1.773 | 1.869 | -5.4   | 76    | 0.00     |
| 89 T  | n-Butylbenzene              | 3.455 | 4.003 | -15.9  | 83    | 0.00     |
| 90 T  | Hexachloroethane            | 0.719 | 0.812 | -12.9  | 78    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 1.672 | 1.845 | -10.3  | 77    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 0.358 | 0.349 | 2.5    | 72    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 0.873 | 0.880 | -0.8   | 70    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 0.501 | 0.413 | 17.6   | 60    | 0.00     |
| 95 T  | Naphthalene                 | 2.660 | 2.993 | -12.5  | 76    | 0.00     |

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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) |
|------|------------------------|-------|-------|------|-------|----------|
| 96 T | 1,2,3-Trichlorobenzene | 0.838 | 0.821 | 2.0  | 69    | 0.00     |

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