

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN021521\  
 Data File : VN065871.D  
 Acq On : 15 Feb 2021 16:50  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

Quant Time: Feb 16 01:07:51 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N012521W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Feb 15 10:57:01 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   | 135   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 0.560 | 0.551 | 1.6   | 129   | 0.00     |
| 3 P   | Chloromethane               | 0.823 | 0.734 | 10.8  | 117   | 0.00     |
| 4 C   | Vinyl Chloride              | 0.833 | 0.771 | 7.4#  | 122   | 0.00     |
| 5 T   | Bromomethane                | 0.482 | 0.484 | -0.4  | 132   | -0.01    |
| 6 T   | Chloroethane                | 0.482 | 0.447 | 7.3   | 120   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 0.871 | 0.826 | 5.2   | 124   | 0.00     |
| 8 T   | Diethyl Ether               | 0.415 | 0.385 | 7.2   | 123   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 0.529 | 0.527 | 0.4   | 133   | 0.00     |
| 10 T  | Methyl Iodide               | 0.775 | 0.807 | -4.1  | 137   | 0.00     |
| 11 T  | Tert butyl alcohol          | 0.123 | 0.094 | 23.6  | 99    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 0.609 | 0.552 | 9.4#  | 126   | 0.00     |
| 13 T  | Acrolein                    | 0.095 | 0.102 | -7.4  | 129   | 0.00     |
| 14 T  | Allyl chloride              | 1.128 | 0.907 | 19.6  | 104   | 0.00     |
| 15 T  | Acrylonitrile               | 0.321 | 0.270 | 15.9  | 109   | 0.00     |
| 16 T  | Acetone                     | 0.256 | 0.244 | 4.7   | 128   | 0.00     |
| 17 T  | Carbon Disulfide            | 1.916 | 1.542 | 19.5  | 115   | 0.00     |
| 18 T  | Methyl Acetate              | 0.718 | 0.588 | 18.1  | 112   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 2.032 | 1.791 | 11.9  | 117   | 0.00     |
| 20 T  | Methylene Chloride          | 0.709 | 0.650 | 8.3   | 127   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 0.647 | 0.589 | 9.0   | 125   | 0.00     |
| 22 T  | Diisopropyl ether           | 2.307 | 1.842 | 20.2  | 105   | 0.00     |
| 23 T  | Vinyl Acetate               | 1.842 | 1.460 | 20.7  | 102   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 1.229 | 1.089 | 11.4  | 115   | 0.00     |
| 25 T  | 2-Butanone                  | 0.402 | 0.340 | 15.4  | 107   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 0.984 | 0.841 | 14.5  | 114   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 0.741 | 0.687 | 7.3   | 125   | 0.00     |
| 28 T  | Bromochloromethane          | 0.517 | 0.462 | 10.6  | 127   | 0.00     |
| 29 T  | Tetrahydrofuran             | 0.291 | 0.218 | 25.1# | 101   | 0.00     |
| 30 C  | Chloroform                  | 1.132 | 1.023 | 9.6#  | 120   | 0.00     |
| 31 T  | Cyclohexane                 | 1.237 | 1.010 | 18.4  | 113   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 0.922 | 0.829 | 10.1  | 119   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 0.658 | 0.558 | 15.2  | 120   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0   | 128   | 0.00     |
| 35 S  | Dibromofluoromethane        | 0.296 | 0.297 | -0.3  | 134   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 0.503 | 0.482 | 4.2   | 122   | 0.00     |
| 37 T  | Ethyl Acetate               | 0.483 | 0.404 | 16.4  | 102   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 0.414 | 0.394 | 4.8   | 118   | 0.00     |
| 39 T  | Methylcyclohexane           | 0.614 | 0.570 | 7.2   | 118   | 0.00     |
| 40 TM | Benzene                     | 1.537 | 1.484 | 3.4   | 121   | 0.00     |
| 41 T  | Methacrylonitrile           | 0.259 | 0.203 | 21.6  | 102   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 0.463 | 0.429 | 7.3   | 114   | 0.00     |
| 43 T  | Isopropyl Acetate           | 0.856 | 0.674 | 21.3  | 101   | 0.00     |
| 44 TM | Trichloroethene             | 0.373 | 0.379 | -1.6  | 130   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 0.423 | 0.395 | 6.6#  | 117   | 0.00     |
| 46 T  | Dibromomethane              | 0.234 | 0.230 | 1.7   | 122   | 0.00     |
| 47 T  | Bromodichloromethane        | 0.501 | 0.455 | 9.2   | 114   | 0.00     |
| 48 T  | Methyl methacrylate         | 0.406 | 0.324 | 20.2  | 100   | 0.00     |

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 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

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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) |
|-------|-----------------------------|-------|-------|-------|-------|----------|
| 49 T  | 1,4-Dioxane                 | 0.007 | 0.006 | 14.3  | 114   | 0.00     |
| 50 S  | Toluene-d8                  | 1.165 | 1.137 | 2.4   | 132   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 0.472 | 0.396 | 16.1  | 104   | 0.00     |
| 52 CM | Toluene                     | 0.910 | 0.922 | -1.3# | 128   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 0.583 | 0.542 | 7.0   | 116   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 0.650 | 0.618 | 4.9   | 119   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 0.347 | 0.347 | 0.0   | 126   | 0.00     |
| 56 T  | Ethyl methacrylate          | 0.574 | 0.542 | 5.6   | 117   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 0.611 | 0.606 | 0.8   | 124   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 0.265 | 0.229 | 13.6  | 108   | 0.00     |
| 59 T  | 2-Hexanone                  | 0.328 | 0.292 | 11.0  | 108   | 0.00     |
| 60 T  | Dibromochloromethane        | 0.355 | 0.346 | 2.5   | 122   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 0.346 | 0.349 | -0.9  | 125   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 0.419 | 0.440 | -5.0  | 142   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 1.000 | 1.000 | 0.0   | 131   | 0.00     |
| 64 T  | Tetrachloroethene           | 0.419 | 0.395 | 5.7   | 128   | 0.00     |
| 65 PM | Chlorobenzene               | 1.046 | 1.091 | -4.3  | 136   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 0.370 | 0.364 | 1.6   | 126   | 0.00     |
| 67 C  | Ethyl Benzene               | 1.965 | 1.926 | 2.0#  | 127   | 0.00     |
| 68 T  | m/p-Xylenes                 | 0.711 | 0.740 | -4.1  | 134   | 0.00     |
| 69 T  | o-Xylene                    | 0.689 | 0.708 | -2.8  | 134   | 0.00     |
| 70 T  | Styrene                     | 1.135 | 1.202 | -5.9  | 133   | 0.00     |
| 71 P  | Bromoform                   | 0.256 | 0.241 | 5.9   | 117   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0   | 139   | 0.00     |
| 73 T  | Isopropylbenzene            | 4.378 | 4.105 | 6.2   | 131   | 0.00     |
| 74 T  | N-amyl acetate              | 1.852 | 1.470 | 20.6  | 106   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 1.293 | 1.182 | 8.6   | 131   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 1.307 | 1.179 | 9.8   | 129   | 0.00     |
| 77 T  | Bromobenzene                | 0.948 | 0.955 | -0.7  | 141   | 0.00     |
| 78 T  | n-propylbenzene             | 5.159 | 4.672 | 9.4   | 128   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 3.064 | 2.813 | 8.2   | 131   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 3.727 | 3.438 | 7.8   | 131   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 0.510 | 0.412 | 19.2  | 112   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 3.128 | 2.870 | 8.2   | 130   | 0.00     |
| 83 T  | tert-Butylbenzene           | 3.108 | 2.827 | 9.0   | 130   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 3.718 | 3.477 | 6.5   | 134   | 0.00     |
| 85 T  | sec-Butylbenzene            | 4.196 | 3.763 | 10.3  | 127   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 3.705 | 3.410 | 8.0   | 129   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 1.690 | 1.701 | -0.7  | 140   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 1.715 | 1.662 | 3.1   | 138   | 0.00     |
| 89 T  | n-Butylbenzene              | 3.329 | 2.925 | 12.1  | 121   | 0.00     |
| 90 T  | Hexachloroethane            | 0.648 | 0.543 | 16.2  | 115   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 1.676 | 1.644 | 1.9   | 137   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 0.257 | 0.204 | 20.6  | 107   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 0.891 | 0.891 | 0.0   | 128   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 0.461 | 0.385 | 16.5  | 131   | 0.00     |
| 95 T  | Naphthalene                 | 2.867 | 2.849 | 0.6   | 130   | 0.00     |

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Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound               | AvgRF | CCRF  | %Dev | Area% | Dev(min) |
|------|------------------------|-------|-------|------|-------|----------|
| 96 T | 1,2,3-Trichlorobenzene | 0.922 | 0.873 | 5.3  | 128   | 0.00     |

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