

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN032122\  
 Data File : VN071455.D  
 Acq On : 22 Mar 2022 06:57  
 Operator : JC\MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 46 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

Quant Time: Mar 22 08:09:39 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N030722W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Mar 08 06:52:46 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                    | Amount  | Calc.   | %Dev  | Area% | Dev(min) |
|-------|-----------------------------|---------|---------|-------|-------|----------|
| 1 I   | Pentafluorobenzene          | 50.000  | 50.000  | 0.0   | 86    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 41.964  | 16.1  | 79    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 44.634  | 10.7  | 80    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 45.977  | 8.0#  | 85    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 50.493  | -1.0  | 79    | -0.01    |
| 6 T   | Chloroethane                | 50.000  | 51.516  | -3.0  | 91    | -0.01    |
| 7 T   | Trichlorofluoromethane      | 50.000  | 47.251  | 5.5   | 88    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 51.312  | -2.6  | 94    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 47.184  | 5.6   | 88    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 46.662  | 6.7   | 83    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 282.174 | -12.9 | 105   | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 47.635  | 4.7#  | 88    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 209.268 | 16.3  | 82    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 48.724  | 2.6   | 89    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 265.681 | -6.3  | 96    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 271.505 | -8.6  | 102   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 39.931  | 20.1  | 74    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 56.074  | -12.1 | 101   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 53.195  | -6.4  | 96    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 49.542  | 0.9   | 89    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 47.360  | 5.3   | 87    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 52.560  | -5.1  | 95    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 270.277 | -8.1  | 94    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 50.420  | -0.8  | 93    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 276.263 | -10.5 | 100   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 38.769  | 22.5  | 70    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 50.277  | -0.6  | 93    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 43.422  | 13.2  | 79    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 267.305 | -6.9  | 97    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 51.390  | -2.8# | 95    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 45.374  | 9.3   | 86    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 51.123  | -2.2  | 93    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 45.024  | 10.0  | 85    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 89    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 43.682  | 12.6  | 87    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 46.298  | 7.4   | 89    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 48.219  | 3.6   | 92    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 47.267  | 5.5   | 90    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 45.277  | 9.4   | 84    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 47.735  | 4.5   | 91    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 49.296  | 1.4   | 94    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 49.487  | 1.0   | 93    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 50.433  | -0.9  | 99    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 47.714  | 4.6   | 90    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 49.483  | 1.0#  | 93    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 48.827  | 2.3   | 92    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 49.914  | 0.2   | 94    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 48.915  | 2.2   | 89    | 0.00     |

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 LabSampleId :  
 VSTDCCC050

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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                    | Amount   | Calc.    | %Dev  | Area% | Dev(min) |
|-------|-----------------------------|----------|----------|-------|-------|----------|
| ----- |                             |          |          |       |       |          |
| 49 T  | 1,4-Dioxane                 | 1000.000 | 1088.374 | -8.8  | 101   | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 42.384   | 15.2  | 82    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 270.910  | -8.4  | 100   | 0.00     |
| 52 CM | Toluene                     | 50.000   | 48.492   | 3.0#  | 89    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 48.508   | 3.0   | 89    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 48.386   | 3.2   | 89    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 49.092   | 1.8   | 95    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 53.772   | -7.5  | 98    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 49.593   | 0.8   | 95    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 270.254  | -8.1  | 119   | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 291.434  | -16.6 | 104   | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 51.590   | -3.2  | 93    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 48.714   | 2.6   | 92    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 44.060   | 11.9  | 86    | 0.00     |
|       |                             |          |          |       |       |          |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0   | 90    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 43.498   | 13.0  | 84    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 48.012   | 4.0   | 92    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 49.404   | 1.2   | 93    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 49.634   | 0.7#  | 91    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 100.846  | -0.8  | 91    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 51.021   | -2.0  | 92    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 53.592   | -7.2  | 95    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 52.725   | -5.5  | 95    | 0.00     |
|       |                             |          |          |       |       |          |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0   | 91    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 46.835   | 6.3   | 93    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 54.083   | -8.2  | 104   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 54.767   | -9.5  | 98    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 49.864   | 0.3   | 93    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 46.385   | 7.2   | 94    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 48.315   | 3.4   | 93    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 46.338   | 7.3   | 93    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 47.373   | 5.3   | 91    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 46.876   | 6.2   | 89    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 48.861   | 2.3   | 94    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 49.395   | 1.2   | 95    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 48.898   | 2.2   | 93    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 49.280   | 1.4   | 92    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 50.240   | -0.5  | 92    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 46.782   | 6.4   | 93    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 46.074   | 7.9   | 94    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 47.988   | 4.0   | 91    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 48.689   | 2.6   | 94    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 47.679   | 4.6   | 95    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 52.803   | -5.6  | 106   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 49.282   | 1.4   | 99    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 44.315   | 11.4  | 86    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 56.536   | -13.1 | 123   | 0.00     |

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ALS Vial : 46 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
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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               | Amount | Calc.  | %Dev | Area% | Dev(min) |
|------|------------------------|--------|--------|------|-------|----------|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 51.922 | -3.8 | 103   | 0.00     |

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