

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN041122\  
 Data File : VN071927.D  
 Acq On : 11 Apr 2022 11:27  
 Operator : JC\MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

Quant Time: Apr 11 12:27:54 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N033022W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Mar 31 01:57:54 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    | 89    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 43.470  | 13.1   | 74    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 41.367  | 17.3   | 77    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 40.667  | 18.7#  | 71    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 43.185  | 13.6   | 75    | -0.02    |
| 6 T   | Chloroethane                | 50.000  | 40.369  | 19.3   | 72    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 47.580  | 4.8    | 83    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 59.593  | -19.2  | 103   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 50.582  | -1.2   | 89    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 49.333  | 1.3    | 84    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 301.561 | -20.6  | 99    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 49.239  | 1.5#   | 87    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 280.674 | -12.3  | 92    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 52.977  | -6.0   | 91    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 313.954 | -25.6# | 104   | 0.00     |
| 16 T  | Acetone                     | 250.000 | 243.111 | 2.8    | 90    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 40.941  | 18.1   | 75    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 57.261  | -14.5  | 98    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 60.206  | -20.4  | 102   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 55.909  | -11.8  | 101   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 50.290  | -0.6   | 90    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 58.371  | -16.7  | 100   | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 305.520 | -22.2  | 96    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 56.511  | -13.0  | 97    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 284.062 | -13.6  | 97    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 51.520  | -3.0   | 88    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 57.038  | -14.1  | 99    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 52.821  | -5.6   | 103   | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 287.077 | -14.8  | 94    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 57.623  | -15.2# | 100   | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 44.444  | 11.1   | 82    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 51.869  | -3.7   | 90    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 49.759  | 0.5    | 89    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0    | 88    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 53.693  | -7.4   | 94    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 50.320  | -0.6   | 88    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 58.209  | -16.4  | 95    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 52.553  | -5.1   | 90    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 49.347  | 1.3    | 83    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 55.556  | -11.1  | 98    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 57.885  | -15.8  | 97    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 54.732  | -9.5   | 96    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 53.275  | -6.5   | 96    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 54.999  | -10.0  | 94    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 59.348  | -18.7# | 103   | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 58.503  | -17.0  | 101   | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 61.717  | -23.4  | 103   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 60.822  | -21.6  | 101   | 0.00     |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

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 Quant Title : SW846 8260  
 QLast Update : Thu Mar 31 01:57:54 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) |
|-------|-----------------------------|----------|----------|--------|-------|----------|
| 49 T  | 1,4-Dioxane                 | 1000.000 | 1245.390 | -24.5  | 108   | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 51.439   | -2.9   | 90    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 309.770  | -23.9  | 100   | 0.00     |
| 52 CM | Toluene                     | 50.000   | 57.282   | -14.6# | 97    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 62.699   | -25.4# | 101   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 62.087   | -24.2  | 101   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 61.637   | -23.3  | 106   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 67.109   | -34.2# | 106   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 61.137   | -22.3  | 105   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 220.990  | 11.6   | 82    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 310.299  | -24.1  | 97    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 67.002   | -34.0# | 109   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 61.929   | -23.9  | 104   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 55.700   | -11.4  | 94    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0    | 93    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 49.518   | 1.0    | 95    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 55.780   | -11.6  | 103   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 58.164   | -16.3  | 106   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 55.578   | -11.2# | 98    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 111.817  | -11.8  | 97    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 57.648   | -15.3  | 100   | 0.00     |
| 70 T  | Styrene                     | 50.000   | 62.570   | -25.1# | 103   | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 64.738   | -29.5# | 109   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0    | 90    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 53.665   | -7.3   | 97    | 0.00     |
| 74 T  | N-ethyl acetate             | 50.000   | 57.843   | -15.7  | 93    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 55.286   | -10.6  | 103   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 57.082   | -14.2  | 106   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 54.667   | -9.3   | 102   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 55.680   | -11.4  | 96    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 55.068   | -10.1  | 100   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 55.519   | -11.0  | 99    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 59.026   | -18.1  | 97    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 55.937   | -11.9  | 99    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 55.099   | -10.2  | 97    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 56.150   | -12.3  | 99    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 56.618   | -13.2  | 97    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 58.536   | -17.1  | 98    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 55.916   | -11.8  | 98    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 55.524   | -11.0  | 99    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 57.054   | -14.1  | 93    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 57.266   | -14.5  | 98    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 56.814   | -13.6  | 103   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 59.346   | -18.7  | 99    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 57.113   | -14.2  | 103   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 52.066   | -4.1   | 95    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 55.886   | -11.8  | 105   | 0.00     |

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Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
LabSampleId :  
VSTDCCC050

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Quant Title : SW846 8260  
QLast Update : Thu Mar 31 01:57:54 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) |
|------|------------------------|--------|--------|-------|-------|----------|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 59.260 | -18.5 | 108   | 0.00     |

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