

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN040522\  
 Data File : VN071869.D  
 Acq On : 05 Apr 2022 20:26  
 Operator : JC\MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

Quant Time: Apr 06 06:45:27 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   | 96    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 44.520  | 11.0  | 82    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 43.980  | 12.0  | 89    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 44.334  | 11.3# | 84    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 39.099  | 21.8  | 74    | -0.02    |
| 6 T   | Chloroethane                | 50.000  | 40.051  | 19.9  | 77    | -0.01    |
| 7 T   | Trichlorofluoromethane      | 50.000  | 45.544  | 8.9   | 86    | -0.01    |
| 8 T   | Diethyl Ether               | 50.000  | 51.154  | -2.3  | 95    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 45.736  | 8.5   | 87    | -0.01    |
| 10 T  | Methyl Iodide               | 50.000  | 46.194  | 7.6   | 85    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 302.747 | -21.1 | 107   | 0.01     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 47.385  | 5.2#  | 90    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 263.531 | -5.4  | 94    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 49.405  | 1.2   | 91    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 291.813 | -16.7 | 105   | 0.00     |
| 16 T  | Acetone                     | 250.000 | 239.331 | 4.3   | 96    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 41.881  | 16.2  | 83    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 54.141  | -8.3  | 100   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 51.914  | -3.8  | 95    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 49.422  | 1.2   | 96    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 47.125  | 5.8   | 91    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 52.435  | -4.9  | 97    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 276.824 | -10.7 | 94    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 50.600  | -1.2  | 94    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 278.647 | -11.5 | 102   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 42.924  | 14.2  | 79    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 50.385  | -0.8  | 94    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 51.554  | -3.1  | 108   | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 281.304 | -12.5 | 100   | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 50.474  | -0.9# | 95    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 43.653  | 12.7  | 87    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 48.669  | 2.7   | 91    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 52.161  | -4.3  | 101   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 96    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 54.931  | -9.9  | 105   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 46.907  | 6.2   | 90    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 54.927  | -9.9  | 99    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 48.656  | 2.7   | 91    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 45.073  | 9.9   | 82    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 49.406  | 1.2   | 95    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 57.712  | -15.4 | 106   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 47.840  | 4.3   | 92    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 49.914  | 0.2   | 98    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 47.936  | 4.1   | 90    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 51.386  | -2.8# | 98    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 50.045  | -0.1  | 95    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 52.777  | -5.6  | 96    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 52.453  | -4.9  | 96    | 0.00     |

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 ALS Vial : 23 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 | 1144.336 | -14.4 | 108   | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 54.768   | -9.5  | 105   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 293.626  | -17.5 | 103   | 0.00     |
| 52 CM | Toluene                     | 50.000   | 51.134   | -2.3# | 95    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 53.327   | -6.7  | 94    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 52.914   | -5.8  | 94    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 52.147   | -4.3  | 98    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 59.362   | -18.7 | 103   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 52.199   | -4.4  | 98    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 232.416  | 7.0   | 95    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 297.439  | -19.0 | 102   | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 56.094   | -12.2 | 100   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 53.773   | -7.5  | 99    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 54.931   | -9.9  | 101   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0   | 98    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 44.682   | 10.6  | 90    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 49.565   | 0.9   | 97    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 50.728   | -1.5  | 97    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 50.783   | -1.6# | 94    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 101.278  | -1.3  | 93    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 51.374   | -2.7  | 94    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 54.183   | -8.4  | 94    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 56.555   | -13.1 | 100   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0   | 88    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 52.610   | -5.2  | 93    | 0.00     |
| 74 T  | N-ethyl acetate             | 50.000   | 58.693   | -17.4 | 92    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 52.913   | -5.8  | 97    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 55.424   | -10.8 | 100   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 49.649   | 0.7   | 90    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 53.184   | -6.4  | 90    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 51.547   | -3.1  | 92    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 53.164   | -6.3  | 93    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 56.505   | -13.0 | 91    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 50.974   | -1.9  | 88    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 52.665   | -5.3  | 91    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 53.610   | -7.2  | 92    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 53.584   | -7.2  | 90    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 54.290   | -8.6  | 88    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 49.763   | 0.5   | 86    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 48.665   | 2.7   | 85    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 52.947   | -5.9  | 85    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 56.422   | -12.8 | 95    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 49.965   | 0.1   | 88    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 57.211   | -14.4 | 93    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 48.459   | 3.1   | 85    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 44.990   | 10.0  | 80    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 52.097   | -4.2  | 95    | 0.00     |

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ALS Vial : 23 Sample Multiplier: 1

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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               | Amount | Calc.  | %Dev | Area% | Dev(min) |
|------|------------------------|--------|--------|------|-------|----------|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 50.446 | -0.9 | 89    | 0.00     |

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