

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN061521\  
 Data File : VN067337.D  
 Acq On : 15 Jun 2021 11:00  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

Quant Time: Jun 16 02:38:16 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                    | Amount  | Calc.   | %Dev  | Area% | Dev(min) |
|-------|-----------------------------|---------|---------|-------|-------|----------|
| 1 I   | Pentafluorobenzene          | 50.000  | 50.000  | 0.0   | 98    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 49.927  | 0.1   | 100   | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 54.080  | -8.2  | 109   | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 54.213  | -8.4# | 101   | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 59.107  | -18.2 | 111   | -0.02    |
| 6 T   | Chloroethane                | 50.000  | 51.314  | -2.6  | 100   | -0.01    |
| 7 T   | Trichlorofluoromethane      | 50.000  | 52.104  | -4.2  | 100   | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 51.272  | -2.5  | 96    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 52.751  | -5.5  | 100   | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 50.042  | -0.1  | 109   | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 236.872 | 5.3   | 96    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 52.156  | -4.3# | 100   | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 234.745 | 6.1   | 96    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 50.639  | -1.3  | 99    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 259.330 | -3.7  | 95    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 237.184 | 5.1   | 100   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 50.535  | -1.1  | 101   | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 47.695  | 4.6   | 96    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 53.867  | -7.7  | 98    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 47.630  | 4.7   | 101   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 51.782  | -3.6  | 100   | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 52.833  | -5.7  | 99    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 257.013 | -2.8  | 97    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 51.892  | -3.8  | 99    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 247.967 | 0.8   | 95    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 50.104  | -0.2  | 98    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 51.213  | -2.4  | 100   | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 49.295  | 1.4   | 100   | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 250.778 | -0.3  | 94    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 51.022  | -2.0# | 99    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 49.722  | 0.6   | 101   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 51.563  | -3.1  | 98    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 46.900  | 6.2   | 95    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 96    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 47.646  | 4.7   | 95    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 53.037  | -6.1  | 101   | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 50.079  | -0.2  | 95    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 51.463  | -2.9  | 97    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 56.298  | -12.6 | 102   | 0.00     |
| 40 TM | Benzene                     | 50.000  | 52.761  | -5.5  | 99    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 51.733  | -3.5  | 99    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 52.285  | -4.6  | 98    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 50.120  | -0.2  | 95    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 52.581  | -5.2  | 98    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 52.557  | -5.1# | 99    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 52.373  | -4.7  | 98    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 51.568  | -3.1  | 99    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 50.245  | -0.5  | 98    | 0.00     |

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 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

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 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                    | Amount   | Calc.    | %Dev  | Area% | Dev(min) |
|-------|-----------------------------|----------|----------|-------|-------|----------|
| 49 T  | 1,4-Dioxane                 | 1000.000 | 1106.615 | -10.7 | 103   | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 48.392   | 3.2   | 96    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 252.516  | -1.0  | 95    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 53.103   | -6.2# | 100   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 52.125   | -4.3  | 98    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 52.566   | -5.1  | 99    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 50.588   | -1.2  | 97    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 51.358   | -2.7  | 97    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 51.403   | -2.8  | 98    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 233.898  | 6.4   | 92    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 247.525  | 1.0   | 93    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 52.788   | -5.6  | 99    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 51.861   | -3.7  | 99    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 49.655   | 0.7   | 99    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0   | 97    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 53.971   | -7.9  | 102   | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 52.809   | -5.6  | 100   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 52.780   | -5.6  | 99    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 53.079   | -6.2# | 100   | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 106.677  | -6.7  | 101   | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 53.781   | -7.6  | 102   | 0.00     |
| 70 T  | Styrene                     | 50.000   | 54.044   | -8.1  | 100   | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 52.782   | -5.6  | 99    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0   | 99    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 51.595   | -3.2  | 102   | 0.00     |
| 74 T  | N-ethyl acetate             | 50.000   | 49.761   | 0.5   | 97    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 49.536   | 0.9   | 98    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 44.988   | 10.0  | 87    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 51.884   | -3.8  | 103   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 52.940   | -5.9  | 104   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 51.409   | -2.8  | 102   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 52.602   | -5.2  | 102   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 48.419   | 3.2   | 98    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 52.329   | -4.7  | 102   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 52.291   | -4.6  | 102   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 52.618   | -5.2  | 103   | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 54.387   | -8.8  | 106   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 52.894   | -5.8  | 104   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 53.310   | -6.6  | 103   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 52.762   | -5.5  | 103   | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 54.416   | -8.8  | 106   | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 54.181   | -8.4  | 102   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 53.532   | -7.1  | 102   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 45.946   | 8.1   | 92    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 54.681   | -9.4  | 103   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 55.387   | -10.8 | 110   | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 45.140   | 9.7   | 94    | 0.00     |

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Sample : VSTDCCC050  
Misc : 5.00mL/MSVOA\_N/WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
LabSampleId :  
VSTDCCC050

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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               | Amount | Calc.  | %Dev | Area% | Dev(min) |
|------|------------------------|--------|--------|------|-------|----------|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 52.577 | -5.2 | 101   | 0.00     |

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