

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN111522\  
 Data File : VN075285.D  
 Acq On : 15 Nov 2022 16:49  
 Operator : JC\MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

Quant Time: Nov 16 01:03:18 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N102622W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 27 09:48:49 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    | 114   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 40.945  | 18.1   | 96    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 40.306  | 19.4   | 97    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 39.756  | 20.5#  | 92    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 55.391  | -10.8  | 114   | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 39.509  | 21.0   | 95    | 0.01     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 50.371  | -0.7   | 118   | 0.01     |
| 8 T   | Diethyl Ether               | 50.000  | 50.461  | -0.9   | 118   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 51.843  | -3.7   | 122   | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 52.849  | -5.7   | 128   | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 171.821 | 31.3#  | 87    | -0.02    |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 52.136  | -4.3#  | 123   | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 186.762 | 25.3#  | 90    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 48.722  | 2.6    | 111   | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 222.990 | 10.8   | 106   | 0.00     |
| 16 T  | Acetone                     | 250.000 | 219.123 | 12.4   | 109   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 48.649  | 2.7    | 113   | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 44.365  | 11.3   | 106   | -0.01    |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 49.046  | 1.9    | 114   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 49.831  | 0.3    | 120   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 51.951  | -3.9   | 123   | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 49.805  | 0.4    | 115   | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 236.478 | 5.4    | 108   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 49.798  | 0.4    | 118   | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 213.887 | 14.4   | 103   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 47.977  | 4.0    | 113   | -0.01    |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 53.055  | -6.1   | 124   | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 43.393  | 13.2   | 100   | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 213.780 | 14.5   | 99    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 50.613  | -1.2#  | 118   | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 48.333  | 3.3    | 115   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 50.617  | -1.2   | 116   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 41.931  | 16.1   | 101   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0    | 104   | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 51.292  | -2.6   | 111   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 55.622  | -11.2  | 117   | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 43.927  | 12.1   | 99    | -0.01    |
| 38 T  | Carbon Tetrachloride        | 50.000  | 54.491  | -9.0   | 113   | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 56.080  | -12.2  | 118   | 0.00     |
| 40 TM | Benzene                     | 50.000  | 54.994  | -10.0  | 117   | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 49.076  | 1.8    | 104   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 51.118  | -2.2   | 109   | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 47.700  | 4.6    | 101   | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 57.846  | -15.7  | 126   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 56.047  | -12.1# | 116   | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 54.230  | -8.5   | 117   | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 53.754  | -7.5   | 115   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 49.488  | 1.0    | 109   | 0.00     |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

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 Quant Title : SW846 8260  
 QLast Update : Thu Oct 27 09:48:49 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 | 944.598 | 5.5    | 106   | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 47.450  | 5.1    | 101   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 231.156 | 7.5    | 99    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 55.404  | -10.8# | 112   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 54.750  | -9.5   | 110   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 55.151  | -10.3  | 113   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 53.498  | -7.0   | 112   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 52.476  | -5.0   | 107   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 53.616  | -7.2   | 113   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 245.989 | 1.6    | 98    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 226.729 | 9.3    | 97    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 55.917  | -11.8  | 113   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 55.183  | -10.4  | 112   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 52.376  | -4.8   | 106   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0    | 103   | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 62.357  | -24.7  | 136   | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 55.791  | -11.6  | 118   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 55.752  | -11.5  | 116   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 56.521  | -13.0# | 116   | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 112.644 | -12.6  | 112   | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 56.448  | -12.9  | 116   | 0.00     |
| 70 T  | Styrene                     | 50.000   | 58.234  | -16.5  | 116   | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 56.898  | -13.8  | 116   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0    | 109   | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 49.766  | 0.5    | 113   | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 43.089  | 13.8   | 101   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 49.314  | 1.4    | 104   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 45.770  | 8.5    | 100   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 53.774  | -7.5   | 125   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 51.966  | -3.9   | 116   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 49.859  | 0.3    | 113   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 52.198  | -4.4   | 115   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 42.127  | 15.7   | 94    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 49.859  | 0.3    | 113   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 52.184  | -4.4   | 117   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 52.463  | -4.9   | 116   | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 53.064  | -6.1   | 117   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 55.742  | -11.5  | 120   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 56.092  | -12.2  | 125   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 56.939  | -13.9  | 128   | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 58.100  | -16.2  | 123   | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 48.247  | 3.5    | 107   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 55.803  | -11.6  | 125   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 39.830  | 20.3   | 90    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 64.666  | -29.3# | 138   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 64.071  | -28.1# | 149   | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 54.092  | -8.2   | 115   | 0.00     |

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Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
LabSampleId :  
VSTDCCC050

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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               | Amount | Calc.  | %Dev   | Area% | Dev(min) |
|------|------------------------|--------|--------|--------|-------|----------|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 63.152 | -26.3# | 138   | 0.00     |

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