

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX042321\  
 Data File : VX021836.D  
 Acq On : 23 Apr 2021 12:07  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Apr 26 04:01:36 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X042021W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 20 13:46:22 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    | 104   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 53.165  | -6.3   | 108   | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 50.930  | -1.9   | 106   | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 50.594  | -1.2#  | 101   | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 63.197  | -26.4# | 130   | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 49.130  | 1.7    | 104   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 56.101  | -12.2  | 114   | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 52.954  | -5.9   | 108   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 56.109  | -12.2  | 116   | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 51.105  | -2.2   | 122   | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 208.895 | 16.4   | 87    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 56.079  | -12.2# | 115   | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 347.373 | -38.9# | 151   | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 52.306  | -4.6   | 107   | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 260.116 | -4.0   | 104   | 0.00     |
| 16 T  | Acetone                     | 250.000 | 225.466 | 9.8    | 93    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 52.514  | -5.0   | 108   | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 53.450  | -6.9   | 109   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 54.070  | -8.1   | 110   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 48.783  | 2.4    | 108   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 53.782  | -7.6   | 112   | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 52.956  | -5.9   | 110   | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 264.714 | -5.9   | 107   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 53.656  | -7.3   | 110   | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 250.422 | -0.2   | 100   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 51.649  | -3.3   | 111   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 55.214  | -10.4  | 113   | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 54.694  | -9.4   | 119   | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 256.086 | -2.4   | 103   | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 53.062  | -6.1#  | 113   | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 53.464  | -6.9   | 113   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 53.635  | -7.3   | 112   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 47.387  | 5.2    | 104   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0    | 102   | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 50.411  | -0.8   | 109   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 55.411  | -10.8  | 111   | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 52.003  | -4.0   | 104   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 54.760  | -9.5   | 111   | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 55.343  | -10.7  | 113   | 0.00     |
| 40 TM | Benzene                     | 50.000  | 55.398  | -10.8  | 111   | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 51.783  | -3.6   | 106   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 54.398  | -8.8   | 107   | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 51.491  | -3.0   | 106   | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 56.128  | -12.3  | 111   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 53.702  | -7.4#  | 109   | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 53.901  | -7.8   | 108   | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 53.908  | -7.8   | 109   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 51.992  | -4.0   | 104   | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX042321\  
 Data File : VX021836.D  
 Acq On : 23 Apr 2021 12:07  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Apr 26 04:01:36 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X042021W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 20 13:46:22 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 | 868.210 | 13.2   | 83    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 48.514  | 3.0    | 103   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 261.825 | -4.7   | 104   | 0.00     |
| 52 CM | Toluene                     | 50.000   | 55.747  | -11.5# | 110   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 53.677  | -7.4   | 106   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 54.884  | -9.8   | 108   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 54.531  | -9.1   | 109   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 53.808  | -7.6   | 107   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 54.671  | -9.3   | 107   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 310.540 | -24.2  | 117   | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 260.672 | -4.3   | 102   | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 54.089  | -8.2   | 106   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 55.104  | -10.2  | 110   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 49.223  | 1.6    | 104   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0    | 99    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 52.396  | -4.8   | 105   | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 56.182  | -12.4  | 111   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 55.130  | -10.3  | 108   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 56.158  | -12.3# | 111   | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 111.136 | -11.1  | 108   | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 54.763  | -9.5   | 108   | 0.00     |
| 70 T  | Styrene                     | 50.000   | 56.567  | -13.1  | 110   | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 52.055  | -4.1   | 100   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0    | 99    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 55.788  | -11.6  | 110   | 0.00     |
| 74 T  | N-ethyl acetate             | 50.000   | 52.528  | -5.1   | 104   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 55.763  | -11.5  | 107   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 48.104  | 3.8    | 103   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 54.047  | -8.1   | 107   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 57.993  | -16.0  | 113   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 57.113  | -14.2  | 111   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 56.082  | -12.2  | 110   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 49.998  | 0.0    | 100   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 57.521  | -15.0  | 111   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 56.537  | -13.1  | 111   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 55.893  | -11.8  | 110   | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 57.481  | -15.0  | 113   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 57.120  | -14.2  | 112   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 56.788  | -13.6  | 109   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 56.231  | -12.5  | 109   | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 59.943  | -19.9  | 116   | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 55.838  | -11.7  | 107   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 56.202  | -12.4  | 109   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 51.629  | -3.3   | 101   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 57.195  | -14.4  | 111   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 52.032  | -4.1   | 101   | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 58.020  | -16.0  | 111   | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX042321\  
Data File : VX021836.D  
Acq On : 23 Apr 2021 12:07  
Operator : JC/MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
LabSampleId :  
VSTDCCC050

Quant Time: Apr 26 04:01:36 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X042021W.M  
Quant Title : SW846 8260  
QLast Update : Tue Apr 20 13:46:22 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 | 57.840 | -15.7 | 110   | 0.00     |

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