

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\WX121621\  
 Data File : VX025846.D  
 Acq On : 16 Dec 2021 04:46  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 52 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Dec 16 07:36:21 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X121321W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Dec 14 07:02:11 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   | 119   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 54.401  | -8.8  | 136   | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 45.382  | 9.2   | 106   | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 47.402  | 5.2#  | 115   | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 39.837  | 20.3  | 95    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 44.306  | 11.4  | 112   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 46.110  | 7.8   | 118   | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 43.258  | 13.5  | 101   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 46.312  | 7.4   | 119   | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 47.346  | 5.3   | 104   | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 188.139 | 24.7  | 94    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 46.427  | 7.1#  | 113   | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 222.108 | 11.2  | 113   | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 40.861  | 18.3  | 97    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 220.233 | 11.9  | 100   | 0.00     |
| 16 T  | Acetone                     | 250.000 | 204.490 | 18.2  | 87    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 38.039  | 23.9  | 94    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 44.698  | 10.6  | 100   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 45.329  | 9.3   | 101   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 45.654  | 8.7   | 101   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 45.185  | 9.6   | 105   | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 45.878  | 8.2   | 103   | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 227.403 | 9.0   | 99    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 44.624  | 10.8  | 104   | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 215.643 | 13.7  | 96    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 30.675  | 38.6# | 74    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 44.548  | 10.9  | 104   | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 46.636  | 6.7   | 101   | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 226.959 | 9.2   | 102   | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 43.842  | 12.3# | 102   | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 49.572  | 0.9   | 125   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 44.162  | 11.7  | 105   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 48.401  | 3.2   | 113   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 113   | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 50.488  | -1.0  | 111   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 47.157  | 5.7   | 109   | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 47.284  | 5.4   | 102   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 43.135  | 13.7  | 102   | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 51.405  | -2.8  | 130   | 0.00     |
| 40 TM | Benzene                     | 50.000  | 47.105  | 5.8   | 104   | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 46.913  | 6.2   | 104   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 45.531  | 8.9   | 100   | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 45.464  | 9.1   | 99    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 47.872  | 4.3   | 109   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 47.057  | 5.9#  | 104   | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 44.617  | 10.8  | 99    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 42.053  | 15.9  | 92    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 47.312  | 5.4   | 101   | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX121621\  
 Data File : VX025846.D  
 Acq On : 16 Dec 2021 04:46  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 52 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Dec 16 07:36:21 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X121321W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Dec 14 07:02:11 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 | 963.271 | 3.7   | 102   | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 52.883  | -5.8  | 120   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 237.589 | 5.0   | 103   | 0.00     |
| 52 CM | Toluene                     | 50.000   | 48.803  | 2.4#  | 105   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 40.950  | 18.1  | 85    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 43.911  | 12.2  | 94    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 46.548  | 6.9   | 103   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 49.096  | 1.8   | 103   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 46.647  | 6.7   | 102   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 253.876 | -1.6  | 122   | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 240.224 | 3.9   | 102   | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 41.868  | 16.3  | 88    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 45.816  | 8.4   | 101   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 52.463  | -4.9  | 119   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0   | 112   | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 49.355  | 1.3   | 112   | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 48.385  | 3.2   | 107   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 44.748  | 10.5  | 97    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 49.935  | 0.1#  | 107   | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 101.260 | -1.3  | 106   | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 50.715  | -1.4  | 107   | 0.00     |
| 70 T  | Styrene                     | 50.000   | 50.983  | -2.0  | 104   | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 39.867  | 20.3  | 84    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0   | 110   | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 49.696  | 0.6   | 112   | 0.00     |
| 74 T  | N-ethyl acetate             | 50.000   | 49.090  | 1.8   | 104   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 45.493  | 9.0   | 101   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 42.960  | 14.1  | 97    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 47.609  | 4.8   | 104   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 49.724  | 0.6   | 110   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 47.480  | 5.0   | 107   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 50.138  | -0.3  | 109   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 31.260  | 37.5# | 67    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 48.126  | 3.7   | 105   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 49.928  | 0.1   | 112   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 49.962  | 0.1   | 106   | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 52.829  | -5.7  | 117   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 52.347  | -4.7  | 114   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 48.420  | 3.2   | 107   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 46.813  | 6.4   | 104   | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 51.579  | -3.2  | 116   | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 38.472  | 23.1  | 86    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 50.216  | -0.4  | 107   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 41.192  | 17.6  | 88    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 48.079  | 3.8   | 114   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 54.443  | -8.9  | 129   | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 49.346  | 1.3   | 109   | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX121621\  
Data File : VX025846.D  
Acq On : 16 Dec 2021 04:46  
Operator : JC/MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 52 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
LabSampleId :  
VSTDCCC050

Quant Time: Dec 16 07:36:21 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X121321W.M  
Quant Title : SW846 8260  
QLast Update : Tue Dec 14 07:02:11 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 | 49.388 | 1.2  | 113   | 0.00     |

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