

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX082322\  
 Data File : VX030720.D  
 Acq On : 23 Aug 2022 09:47  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Aug 24 00:44:12 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X072522W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jul 25 16:49:17 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   | 92    | -0.01    |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 53.136  | -6.3  | 91    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 48.051  | 3.9   | 88    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 52.796  | -5.6# | 97    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 57.066  | -14.1 | 98    | 0.01     |
| 6 T   | Chloroethane                | 50.000  | 47.246  | 5.5   | 89    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 56.260  | -12.5 | 103   | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 61.017  | -22.0 | 115   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 52.214  | -4.4  | 99    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 42.993  | 14.0  | 71    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 215.853 | 13.7  | 79    | 0.02     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 49.879  | 0.2#  | 92    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 42.595  | 83.0# | 17    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 43.418  | 13.2  | 83    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 229.802 | 8.1   | 83    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 227.622 | 9.0   | 85    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 44.493  | 11.0  | 83    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 45.266  | 9.5   | 87    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 52.864  | -5.7  | 94    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 54.350  | -8.7  | 93    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 49.129  | 1.7   | 91    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 46.749  | 6.5   | 83    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 222.415 | 11.0  | 76    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 50.234  | -0.5  | 93    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 216.480 | 13.4  | 78    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 54.375  | -8.8  | 106   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 51.777  | -3.6  | 96    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 48.804  | 2.4   | 93    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 199.928 | 20.0  | 72    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 53.595  | -7.2# | 98    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 44.980  | 10.0  | 82    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 53.858  | -7.7  | 98    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 47.418  | 5.2   | 86    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 90    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 53.940  | -7.9  | 96    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 49.864  | 0.3   | 90    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 41.207  | 17.6  | 76    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 55.790  | -11.6 | 100   | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 47.544  | 4.9   | 89    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 50.336  | -0.7  | 91    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 43.198  | 13.6  | 77    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 48.286  | 3.4   | 87    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 44.837  | 10.3  | 80    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 49.995  | 0.0   | 95    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 51.167  | -2.3# | 94    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 52.361  | -4.7  | 98    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 57.355  | -14.7 | 103   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 43.750  | 12.5  | 77    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX082322\  
 Data File : VX030720.D  
 Acq On : 23 Aug 2022 09:47  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Aug 24 00:44:12 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X072522W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jul 25 16:49:17 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 | 932.003 | 6.8    | 87    | 0.02     |
| 50 S  | Toluene-d8                  | 50.000   | 49.543  | 0.9    | 86    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 214.013 | 14.4   | 76    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 51.788  | -3.6#  | 92    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 55.953  | -11.9  | 98    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 56.168  | -12.3  | 100   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 54.486  | -9.0   | 98    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 51.895  | -3.8   | 90    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 53.053  | -6.1   | 97    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 269.015 | -7.6   | 89    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 209.514 | 16.2   | 73    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 62.789  | -25.6# | 109   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 53.709  | -7.4   | 97    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 51.160  | -2.3   | 88    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0    | 90    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 48.925  | 2.2    | 90    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 52.129  | -4.3   | 95    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 58.852  | -17.7  | 103   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 49.367  | 1.3#   | 93    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 105.640 | -5.6   | 92    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 53.000  | -6.0   | 93    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 55.988  | -12.0  | 95    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 65.103  | -30.2# | 108   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0    | 88    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 51.804  | -3.6   | 94    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 42.976  | 14.0   | 74    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 49.433  | 1.1    | 92    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 50.993  | -2.0   | 94    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 51.661  | -3.3   | 93    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 51.894  | -3.8   | 92    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 48.835  | 2.3    | 92    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 52.720  | -5.4   | 94    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 52.291  | -4.6   | 89    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 51.582  | -3.2   | 93    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 54.782  | -9.6   | 98    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 52.877  | -5.8   | 92    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 53.261  | -6.5   | 93    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 54.108  | -8.2   | 95    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 52.256  | -4.5   | 96    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 51.502  | -3.0   | 96    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 54.142  | -8.3   | 94    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 61.481  | -23.0  | 110   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 52.927  | -5.9   | 96    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 47.560  | 4.9    | 88    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 56.544  | -13.1  | 102   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 54.129  | -8.3   | 100   | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 54.930  | -9.9   | 94    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX082322\  
Data File : VX030720.D  
Acq On : 23 Aug 2022 09:47  
Operator : JC/MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
LabSampleId :  
VSTDCCC050

Quant Time: Aug 24 00:44:12 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X072522W.M  
Quant Title : SW846 8260  
QLast Update : Mon Jul 25 16:49:17 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) |
|------|------------------------|--------|--------|-------|-------|----------|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 56.090 | -12.2 | 101   | 0.00     |

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