

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\X072622\  
 Data File : VX030204.D  
 Acq On : 26 Jul 2022 10:25  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Jul 26 17:19:05 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   | 103   | -0.01    |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 55.815  | -11.6 | 108   | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 47.640  | 4.7   | 98    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 51.004  | -2.0# | 106   | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 53.225  | -6.5  | 104   | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 51.446  | -2.9  | 109   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 53.882  | -7.8  | 111   | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 50.515  | -1.0  | 106   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 53.227  | -6.5  | 113   | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 51.823  | -3.6  | 97    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 255.740 | -2.3  | 106   | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 52.253  | -4.5# | 108   | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 241.857 | 3.3   | 109   | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 51.635  | -3.3  | 110   | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 255.438 | -2.2  | 103   | 0.00     |
| 16 T  | Acetone                     | 250.000 | 250.707 | -0.3  | 105   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 50.476  | -1.0  | 106   | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 50.012  | -0.0  | 108   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 53.287  | -6.6  | 107   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 55.631  | -11.3 | 106   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 51.235  | -2.5  | 107   | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 55.002  | -10.0 | 109   | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 276.441 | -10.6 | 107   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 51.857  | -3.7  | 108   | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 259.495 | -3.8  | 105   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 54.433  | -8.9  | 119   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 51.973  | -3.9  | 108   | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 53.296  | -6.6  | 114   | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 259.841 | -3.9  | 106   | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 52.491  | -5.0# | 108   | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 54.711  | -9.4  | 112   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 53.880  | -7.8  | 110   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 52.191  | -4.4  | 106   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 101   | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 52.563  | -5.1  | 104   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 53.969  | -7.9  | 109   | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 50.313  | -0.6  | 103   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 54.500  | -9.0  | 110   | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 53.608  | -7.2  | 113   | 0.00     |
| 40 TM | Benzene                     | 50.000  | 53.120  | -6.2  | 107   | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 53.515  | -7.0  | 106   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 52.030  | -4.1  | 105   | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 53.910  | -7.8  | 107   | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 50.371  | -0.7  | 107   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 53.205  | -6.4# | 109   | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 51.898  | -3.8  | 108   | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 53.891  | -7.8  | 109   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 54.396  | -8.8  | 107   | 0.00     |

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 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Jul 26 17:19:05 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 | 1035.090 | -3.5  | 108   | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 52.326   | -4.7  | 102   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 267.429  | -7.0  | 106   | 0.00     |
| 52 CM | Toluene                     | 50.000   | 53.720   | -7.4# | 106   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 55.491   | -11.0 | 109   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 55.131   | -10.3 | 109   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 51.915   | -3.8  | 105   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 55.275   | -10.5 | 106   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 52.647   | -5.3  | 107   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 305.902  | -22.4 | 113   | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 266.581  | -6.6  | 104   | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 55.179   | -10.4 | 107   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 51.996   | -4.0  | 105   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 53.988   | -8.0  | 103   | 0.00     |
|       |                             |          |          |       |       |          |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0   | 99    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 52.114   | -4.2  | 106   | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 52.681   | -5.4  | 106   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 55.310   | -10.6 | 106   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 50.750   | -1.5# | 107   | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 109.950  | -10.0 | 106   | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 55.175   | -10.3 | 106   | 0.00     |
| 70 T  | Styrene                     | 50.000   | 56.270   | -12.5 | 105   | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 58.001   | -16.0 | 107   | 0.00     |
|       |                             |          |          |       |       |          |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0   | 102   | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 52.092   | -4.2  | 108   | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 54.000   | -8.0  | 107   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 49.026   | 1.9   | 105   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 52.299   | -4.6  | 111   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 49.167   | 1.7   | 102   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 53.154   | -6.3  | 108   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 49.472   | 1.1   | 107   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 52.284   | -4.6  | 107   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 54.105   | -8.2  | 106   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 52.365   | -4.7  | 108   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 52.774   | -5.5  | 108   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 53.252   | -6.5  | 106   | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 53.588   | -7.2  | 108   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 53.578   | -7.2  | 108   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 50.315   | -0.6  | 107   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 49.512   | 1.0   | 106   | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 56.451   | -12.9 | 112   | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 53.205   | -6.4  | 110   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 50.987   | -2.0  | 106   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 51.189   | -2.4  | 109   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 55.447   | -10.9 | 115   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 53.210   | -6.4  | 113   | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 55.177   | -10.4 | 109   | 0.00     |

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Operator : JC/MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
LabSampleId :  
VSTDCCC050

Quant Time: Jul 26 17:19:05 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 | 54.675 | -9.3 | 113   | 0.00     |

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