

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\WX022222\  
 Data File : VX027126.D  
 Acq On : 22 Feb 2022 10:35  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Feb 22 15:14:48 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X020822W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Feb 08 07:07:46 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   | 78    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 49.642  | 0.7   | 78    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 46.759  | 6.5   | 76    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 45.496  | 9.0#  | 72    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 50.983  | -2.0  | 87    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 50.021  | -0.0  | 74    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 50.330  | -0.7  | 79    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 47.635  | 4.7   | 78    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 55.718  | -11.4 | 89    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 49.079  | 1.8   | 81    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 224.290 | 10.3  | 74    | -0.04    |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 50.361  | -0.7# | 80    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 247.544 | 1.0   | 79    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 51.573  | -3.1  | 82    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 257.749 | -3.1  | 82    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 285.885 | -14.4 | 96    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 43.729  | 12.5  | 71    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 47.878  | 4.2   | 80    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 51.904  | -3.8  | 84    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 51.365  | -2.7  | 86    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 52.752  | -5.5  | 83    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 51.515  | -3.0  | 83    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 261.117 | -4.4  | 81    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 53.261  | -6.5  | 85    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 263.892 | -5.6  | 84    | -0.01    |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 61.200  | -22.4 | 95    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 54.532  | -9.1  | 86    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 50.811  | -1.6  | 81    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 246.700 | 1.3   | 79    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 52.642  | -5.3# | 86    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 49.734  | 0.5   | 80    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 53.271  | -6.5  | 84    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 50.495  | -1.0  | 85    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 75    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 53.226  | -6.5  | 87    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 53.542  | -7.1  | 83    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 49.714  | 0.6   | 77    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 56.144  | -12.3 | 87    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 54.717  | -9.4  | 83    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 53.995  | -8.0  | 84    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 53.443  | -6.9  | 81    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 55.803  | -11.6 | 85    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 53.259  | -6.5  | 80    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 54.331  | -8.7  | 83    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 54.602  | -9.2# | 84    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 55.018  | -10.0 | 85    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 57.829  | -15.7 | 87    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 51.481  | -3.0  | 79    | 0.00     |

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

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Feb 22 15:14:48 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X020822W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Feb 08 07:07:46 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 | 980.604 | 1.9    | 75    | -0.02    |
| 50 S  | Toluene-d8                  | 50.000   | 52.195  | -4.4   | 85    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 266.684 | -6.7   | 83    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 53.283  | -6.6#  | 84    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 54.247  | -8.5   | 87    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 60.430  | -20.9  | 87    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 57.388  | -14.8  | 88    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 55.502  | -11.0  | 83    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 55.765  | -11.5  | 85    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 288.958 | -15.6  | 82    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 267.761 | -7.1   | 82    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 61.377  | -22.8  | 90    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 55.979  | -12.0  | 85    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 52.697  | -5.4   | 86    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0    | 75    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 54.024  | -8.0   | 80    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 55.510  | -11.0  | 86    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 58.173  | -16.3  | 89    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 55.832  | -11.7# | 85    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 112.554 | -12.6  | 87    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 55.515  | -11.0  | 86    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 57.686  | -15.4  | 88    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 56.056  | -12.1  | 93    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0    | 79    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 55.014  | -10.0  | 87    | 0.00     |
| 74 T  | N-ethyl acetate             | 50.000   | 51.899  | -3.8   | 81    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 55.124  | -10.2  | 93    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 55.238  | -10.5  | 89    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 54.449  | -8.9   | 88    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 56.057  | -12.1  | 88    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 54.439  | -8.9   | 89    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 55.368  | -10.7  | 88    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 53.471  | -6.9   | 91    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 55.795  | -11.6  | 89    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 56.245  | -12.5  | 91    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 54.870  | -9.7   | 89    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 57.553  | -15.1  | 92    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 57.449  | -14.9  | 91    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 56.521  | -13.0  | 92    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 57.052  | -14.1  | 94    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 59.766  | -19.5  | 94    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 63.995  | -28.0# | 100   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 56.654  | -13.3  | 91    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 53.895  | -7.8   | 83    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 60.050  | -20.1  | 95    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 58.720  | -17.4  | 94    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 57.159  | -14.3  | 88    | 0.00     |

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

Instrument :  
MSVOA\_X  
LabSampleId :  
VSTDCCC050

Quant Time: Feb 22 15:14:48 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X020822W.M  
Quant Title : SW846 8260  
QLast Update : Tue Feb 08 07:07:46 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 | 59.279 | -18.6 | 94    | 0.00     |

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