

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX051722\  
 Data File : VX028793.D  
 Acq On : 18 May 2022 05:42  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 49 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: May 18 07:17:31 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X051222W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 12 14:58:53 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   | 106   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 42.266  | 15.5  | 89    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 41.384  | 17.2  | 93    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 42.426  | 15.1# | 92    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 38.566  | 22.9  | 84    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 48.322  | 3.4   | 101   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 49.953  | 0.1   | 106   | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 48.249  | 3.5   | 105   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 42.170  | 15.7  | 92    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 43.126  | 13.7  | 89    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 234.242 | 6.3   | 105   | 0.03     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 43.940  | 12.1# | 95    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 215.073 | 14.0  | 105   | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 43.215  | 13.6  | 93    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 222.770 | 10.9  | 96    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 220.139 | 11.9  | 100   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 41.834  | 16.3  | 88    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 45.720  | 8.6   | 101   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 45.812  | 8.4   | 98    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 42.569  | 14.9  | 95    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 42.854  | 14.3  | 90    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 44.302  | 11.4  | 94    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 231.133 | 7.5   | 96    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 44.771  | 10.5  | 96    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 238.822 | 4.5   | 104   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 39.409  | 21.2  | 82    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 49.974  | 0.1   | 108   | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 43.317  | 13.4  | 108   | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 235.368 | 5.9   | 102   | 0.01     |
| 30 C  | Chloroform                  | 50.000  | 49.130  | 1.7#  | 105   | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 45.397  | 9.2   | 96    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 50.317  | -0.6  | 105   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 57.817  | -15.6 | 125   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 118   | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 47.120  | 5.8   | 110   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 43.914  | 12.2  | 101   | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 46.584  | 6.8   | 105   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 47.936  | 4.1   | 107   | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 47.322  | 5.4   | 106   | 0.00     |
| 40 TM | Benzene                     | 50.000  | 47.403  | 5.2   | 109   | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 45.847  | 8.3   | 108   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 51.949  | -3.9  | 120   | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 49.485  | 1.0   | 113   | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 47.845  | 4.3   | 108   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 47.894  | 4.2#  | 111   | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 49.131  | 1.7   | 114   | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 51.699  | -3.4  | 115   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 51.045  | -2.1  | 115   | 0.00     |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 49 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: May 18 07:17:31 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X051222W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 12 14:58:53 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 | 934.583 | 6.5   | 111   | 0.01     |
| 50 S  | Toluene-d8                  | 50.000   | 48.829  | 2.3   | 112   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 241.526 | 3.4   | 110   | 0.00     |
| 52 CM | Toluene                     | 50.000   | 48.168  | 3.7#  | 108   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 44.768  | 10.5  | 107   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 48.682  | 2.6   | 106   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 48.524  | 3.0   | 110   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 50.916  | -1.8  | 112   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 48.259  | 3.5   | 111   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 257.097 | -2.8  | 121   | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 246.688 | 1.3   | 110   | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 53.202  | -6.4  | 114   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 49.997  | 0.0   | 113   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 51.372  | -2.7  | 116   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0   | 113   | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 44.167  | 11.7  | 96    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 49.210  | 1.6   | 108   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 52.811  | -5.6  | 115   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 49.568  | 0.9#  | 107   | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 98.624  | 1.4   | 106   | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 49.586  | 0.8   | 108   | 0.00     |
| 70 T  | Styrene                     | 50.000   | 51.025  | -2.0  | 106   | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 48.888  | 2.2   | 115   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0   | 111   | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 48.716  | 2.6   | 108   | 0.00     |
| 74 T  | N-ethyl acetate             | 50.000   | 51.308  | -2.6  | 109   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 49.237  | 1.5   | 114   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 49.585  | 0.8   | 112   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 49.141  | 1.7   | 109   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 48.092  | 3.8   | 105   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 48.209  | 3.6   | 109   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 50.005  | -0.0  | 109   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 40.657  | 18.7  | 94    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 48.442  | 3.1   | 107   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 51.590  | -3.2  | 113   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 49.615  | 0.8   | 108   | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 49.524  | 1.0   | 108   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 50.311  | -0.6  | 107   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 48.133  | 3.7   | 107   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 46.558  | 6.9   | 106   | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 48.540  | 2.9   | 101   | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 51.563  | -3.1  | 109   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 49.553  | 0.9   | 109   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 56.910  | -13.8 | 126   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 51.761  | -3.5  | 113   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 49.821  | 0.4   | 109   | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 53.889  | -7.8  | 113   | 0.00     |

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Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 49 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
LabSampleId :  
VSTDCCC050

Quant Time: May 18 07:17:31 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X051222W.M  
Quant Title : SW846 8260  
QLast Update : Thu May 12 14:58:53 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 | 52.228 | -4.5 | 116   | 0.00     |

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