

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX090322\  
 Data File : VX031106.D  
 Acq On : 04 Sep 2022 00:51  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Sep 06 01:10:55 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X090122W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Sep 02 02:49:21 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    | 95    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 44.275  | 11.5   | 82    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 42.838  | 14.3   | 81    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 42.723  | 14.6#  | 78    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 61.408  | -22.8  | 110   | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 31.953  | 36.1#  | 66    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 51.336  | -2.7   | 94    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 46.021  | 8.0    | 84    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 46.771  | 6.5    | 87    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 71.080  | -42.2# | 129   | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 269.735 | -7.9   | 93    | 0.01     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 47.920  | 4.2#   | 85    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 232.880 | 6.8    | 82    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 41.778  | 16.4   | 75    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 232.599 | 7.0    | 83    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 231.761 | 7.3    | 86    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 43.188  | 13.6   | 80    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 44.819  | 10.4   | 82    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 49.598  | 0.8    | 87    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 50.222  | -0.4   | 85    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 46.129  | 7.7    | 86    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 44.465  | 11.1   | 79    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 235.234 | 5.9    | 82    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 45.287  | 9.4    | 80    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 226.421 | 9.4    | 81    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 34.449  | 31.1#  | 63    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 47.997  | 4.0    | 87    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 42.828  | 14.3   | 79    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 215.241 | 13.9   | 79    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 48.892  | 2.2#   | 89    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 43.401  | 13.2   | 77    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 51.453  | -2.9   | 90    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 47.939  | 4.1    | 92    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0    | 87    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 49.825  | 0.3    | 90    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 47.058  | 5.9    | 84    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 47.453  | 5.1    | 80    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 52.920  | -5.8   | 90    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 45.963  | 8.1    | 77    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 48.874  | 2.3    | 83    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 47.045  | 5.9    | 78    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 53.249  | -6.5   | 91    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 48.168  | 3.7    | 82    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 48.795  | 2.4    | 82    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 45.174  | 9.7#   | 76    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 49.997  | 0.0    | 88    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 50.892  | -1.8   | 83    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 47.435  | 5.1    | 81    | 0.00     |

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 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Sep 06 01:10:55 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X090122W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Sep 02 02:49:21 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 | 982.511 | 1.7   | 83    | 0.01     |
| 50 S  | Toluene-d8                  | 50.000   | 47.753  | 4.5   | 82    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 234.415 | 6.2   | 80    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 49.925  | 0.2#  | 84    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 50.979  | -2.0  | 81    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 53.562  | -7.1  | 87    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 51.197  | -2.4  | 88    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 52.391  | -4.8  | 84    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 48.715  | 2.6   | 83    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 235.770 | 5.7   | 73    | -0.01    |
| 59 T  | 2-Hexanone                  | 250.000  | 235.157 | 5.9   | 78    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 54.933  | -9.9  | 87    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 53.306  | -6.6  | 91    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 47.332  | 5.3   | 80    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0   | 90    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 44.579  | 10.8  | 76    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 48.870  | 2.3   | 84    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 53.657  | -7.3  | 91    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 49.401  | 1.2#  | 82    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 98.807  | 1.2   | 83    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 49.775  | 0.5   | 84    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 50.865  | -1.7  | 83    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 55.717  | -11.4 | 89    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0   | 84    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 52.992  | -6.0  | 82    | 0.00     |
| 74 T  | N-ethyl acetate             | 50.000   | 49.819  | 0.4   | 75    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 50.269  | -0.5  | 84    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 48.629  | 2.7   | 79    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 51.935  | -3.9  | 83    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 51.240  | -2.5  | 80    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 49.448  | 1.1   | 80    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 51.367  | -2.7  | 82    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 48.350  | 3.3   | 72    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 49.870  | 0.3   | 81    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 52.508  | -5.0  | 81    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 51.130  | -2.3  | 81    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 49.506  | 1.0   | 75    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 52.561  | -5.1  | 79    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 48.418  | 3.2   | 75    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 48.797  | 2.4   | 80    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 46.803  | 6.4   | 67    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 49.584  | 0.8   | 75    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 46.854  | 6.3   | 71    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 53.463  | -6.9  | 83    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 60.759  | -21.5 | 91    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 51.252  | -2.5  | 83    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 59.297  | -18.6 | 92    | 0.00     |

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Operator : JC/MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 28 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
LabSampleId :  
VSTDCCC050

Quant Time: Sep 06 01:10:55 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X090122W.M  
Quant Title : SW846 8260  
QLast Update : Fri Sep 02 02:49:21 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 | 56.012 | -12.0 | 87    | 0.00     |

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