

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\WX082522\  
 Data File : VX030786.D  
 Acq On : 25 Aug 2022 21:31  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Aug 26 02:42:26 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X082522W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 26 02:03:28 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   | 94    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 48.091  | 3.8   | 95    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 53.166  | -6.3  | 100   | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 50.778  | -1.6# | 96    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 44.099  | 11.8  | 95    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 53.341  | -6.7  | 100   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 46.672  | 6.7   | 97    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 49.249  | 1.5   | 101   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 46.572  | 6.9   | 95    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 45.371  | 9.3   | 90    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 276.227 | -10.5 | 118   | -0.02    |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 47.927  | 4.1#  | 101   | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 235.314 | 5.9   | 92    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 46.622  | 6.8   | 96    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 265.542 | -6.2  | 105   | 0.00     |
| 16 T  | Acetone                     | 250.000 | 252.506 | -1.0  | 101   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 47.781  | 4.4   | 92    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 52.178  | -4.4  | 105   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 50.800  | -1.6  | 99    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 52.442  | -4.9  | 99    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 46.089  | 7.8   | 96    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 50.020  | -0.0  | 99    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 256.578 | -2.6  | 100   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 48.533  | 2.9   | 99    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 262.465 | -5.0  | 104   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 38.979  | 22.0  | 75    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 47.693  | 4.6   | 98    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 48.962  | 2.1   | 98    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 262.801 | -5.1  | 105   | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 48.356  | 3.3#  | 100   | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 46.564  | 6.9   | 92    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 49.799  | 0.4   | 98    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 46.980  | 6.0   | 99    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 98    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 46.821  | 6.4   | 98    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 44.251  | 11.5  | 95    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 49.531  | 0.9   | 104   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 45.723  | 8.6   | 96    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 43.830  | 12.3  | 92    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 46.601  | 6.8   | 98    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 50.770  | -1.5  | 103   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 47.912  | 4.2   | 101   | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 50.465  | -0.9  | 102   | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 46.907  | 6.2   | 98    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 49.193  | 1.6#  | 101   | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 47.063  | 5.9   | 99    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 49.999  | 0.0   | 101   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 50.428  | -0.9  | 101   | 0.00     |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Aug 26 02:42:26 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X082522W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 26 02:03:28 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 | 1125.316 | -12.5 | 118   | -0.01    |
| 50 S  | Toluene-d8                  | 50.000   | 46.130   | 7.7   | 96    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 260.134  | -4.1  | 105   | 0.00     |
| 52 CM | Toluene                     | 50.000   | 47.243   | 5.5#  | 97    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 47.825   | 4.3   | 93    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 47.355   | 5.3   | 93    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 49.943   | 0.1   | 101   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 52.611   | -5.2  | 101   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 49.512   | 1.0   | 102   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 258.204  | -3.3  | 98    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 267.363  | -6.9  | 106   | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 50.178   | -0.4  | 100   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 50.360   | -0.7  | 101   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 49.113   | 1.8   | 99    | 0.00     |
|       |                             |          |          |       |       |          |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0   | 98    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 45.211   | 9.6   | 94    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 46.918   | 6.2   | 99    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 47.824   | 4.4   | 96    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 48.489   | 3.0#  | 99    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 97.890   | 2.1   | 99    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 49.412   | 1.2   | 100   | 0.00     |
| 70 T  | Styrene                     | 50.000   | 50.555   | -1.1  | 98    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 49.844   | 0.3   | 100   | 0.00     |
|       |                             |          |          |       |       |          |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0   | 95    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 48.258   | 3.5   | 98    | 0.00     |
| 74 T  | N-ethyl acetate             | 50.000   | 53.086   | -6.2  | 102   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 50.680   | -1.4  | 106   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 49.166   | 1.7   | 90    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 48.165   | 3.7   | 101   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 49.884   | 0.2   | 99    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 48.063   | 3.9   | 100   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 48.795   | 2.4   | 98    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 48.324   | 3.4   | 92    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 48.759   | 2.5   | 98    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 49.535   | 0.9   | 97    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 50.672   | -1.3  | 98    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 50.641   | -1.3  | 98    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 49.978   | 0.0   | 97    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 49.248   | 1.5   | 93    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 47.941   | 4.1   | 95    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 50.867   | -1.7  | 93    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 47.908   | 4.2   | 94    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 51.360   | -2.7  | 103   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 49.851   | 0.3   | 98    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 50.538   | -1.1  | 94    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 50.519   | -1.0  | 97    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 56.909   | -13.8 | 101   | 0.00     |

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Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 30 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
LabSampleId :  
VSTDCCC050

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X082522W.M  
Quant Title : SW846 8260  
QLast Update : Fri Aug 26 02:03:28 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 | 51.637 | -3.3 | 95    | 0.00     |

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