

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX111622\  
 Data File : VX032885.D  
 Acq On : 16 Nov 2022 21:48  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Nov 17 05:45:36 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102622W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 27 08:28:06 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    | 80    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 41.132  | 17.7   | 62    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 39.626  | 20.7   | 62    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 42.046  | 15.9#  | 65    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 41.910  | 16.2   | 66    | 0.01     |
| 6 T   | Chloroethane                | 50.000  | 55.036  | -10.1  | 93    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 45.656  | 8.7    | 73    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 50.241  | -0.5   | 82    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 47.805  | 4.4    | 79    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 50.692  | -1.4   | 82    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 248.217 | 0.7    | 81    | 0.04     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 46.091  | 7.8#   | 75    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 273.220 | -9.3   | 92    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 49.304  | 1.4    | 79    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 240.219 | 3.9    | 81    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 229.711 | 8.1    | 80    | 0.01     |
| 17 T  | Carbon Disulfide            | 50.000  | 40.187  | 19.6   | 63    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 53.406  | -6.8   | 87    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 55.026  | -10.1  | 92    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 49.474  | 1.1    | 86    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 47.296  | 5.4    | 78    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 54.127  | -8.3   | 90    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 250.773 | -0.3   | 81    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 52.914  | -5.8   | 87    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 229.726 | 8.1    | 77    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 50.473  | -0.9   | 81    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 53.373  | -6.7   | 86    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 48.799  | 2.4    | 84    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 231.885 | 7.2    | 77    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 55.118  | -10.2# | 91    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 43.157  | 13.7   | 69    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 53.823  | -7.6   | 87    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 52.837  | -5.7   | 89    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0    | 84    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 53.576  | -7.2   | 93    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 47.452  | 5.1    | 80    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 44.561  | 10.9   | 80    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 49.404  | 1.2    | 82    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 41.715  | 16.6   | 68    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 49.635  | 0.7    | 83    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 50.261  | -0.5   | 85    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 51.884  | -3.8   | 87    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 49.753  | 0.5    | 83    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 49.700  | 0.6    | 85    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 51.732  | -3.5#  | 88    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 51.530  | -3.1   | 88    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 55.742  | -11.5  | 94    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 48.963  | 2.1    | 82    | 0.00     |

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

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Nov 17 05:45:36 2022  
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 Quant Title : SW846 8260  
 QLast Update : Thu Oct 27 08:28:06 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 | 918.067 | 8.2   | 76    | 0.04     |
| 50 S  | Toluene-d8                  | 50.000   | 49.607  | 0.8   | 85    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 239.954 | 4.0   | 80    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 50.405  | -0.8# | 84    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 53.535  | -7.1  | 86    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 52.870  | -5.7  | 87    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 53.825  | -7.7  | 93    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 53.432  | -6.9  | 86    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 52.099  | -4.2  | 89    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 266.662 | -6.7  | 87    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 237.239 | 5.1   | 78    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 56.113  | -12.2 | 94    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 52.426  | -4.9  | 88    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 54.821  | -9.6  | 91    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0   | 84    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 49.865  | 0.3   | 85    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 51.008  | -2.0  | 88    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 54.631  | -9.3  | 93    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 50.532  | -1.1# | 85    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 101.198 | -1.2  | 85    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 51.360  | -2.7  | 86    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 53.424  | -6.8  | 88    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 55.129  | -10.3 | 90    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0   | 83    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 49.269  | 1.5   | 85    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 49.165  | 1.7   | 82    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 49.426  | 1.1   | 87    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 49.732  | 0.5   | 84    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 51.202  | -2.4  | 90    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 48.623  | 2.8   | 83    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 50.392  | -0.8  | 87    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 49.575  | 0.8   | 83    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 46.441  | 7.1   | 77    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 49.210  | 1.6   | 84    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 50.418  | -0.8  | 86    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 49.847  | 0.3   | 84    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 48.271  | 3.5   | 80    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 49.069  | 1.9   | 81    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 50.559  | -1.1  | 87    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 48.972  | 2.1   | 86    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 46.660  | 6.7   | 76    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 49.894  | 0.2   | 83    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 51.419  | -2.8  | 88    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 47.631  | 4.7   | 79    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 48.200  | 3.6   | 85    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 46.039  | 7.9   | 82    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 47.887  | 4.2   | 81    | 0.00     |

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

Instrument :  
MSVOA\_X  
LabSampleId :  
VSTDCCC050

Quant Time: Nov 17 05:45:36 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102622W.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 27 08:28:06 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 | 48.011 | 4.0  | 84    | 0.00     |

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