

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\WX010623\  
 Data File : VX033619.D  
 Acq On : 06 Jan 2023 10:20  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Jan 07 04:15:12 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X010423W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jan 05 04:43:25 2023  
 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    | 99    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 48.447  | 3.1    | 91    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 46.098  | 7.8    | 95    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 49.302  | 1.4#   | 92    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 47.929  | 4.1    | 108   | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 47.110  | 5.8    | 94    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 49.982  | 0.0    | 106   | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 56.554  | -13.1  | 119   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 66.841  | -33.7# | 126   | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 55.526  | -11.1  | 100   | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 234.627 | 6.1    | 95    | 0.02     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 68.300  | -36.6# | 134   | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 379.044 | -51.6# | 159   | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 49.087  | 1.8    | 97    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 246.562 | 1.4    | 100   | 0.00     |
| 16 T  | Acetone                     | 250.000 | 300.867 | -20.3  | 103   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 46.755  | 6.5    | 93    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 49.578  | 0.8    | 101   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 51.311  | -2.6   | 103   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 49.322  | 1.4    | 98    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 47.545  | 4.9    | 97    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 49.826  | 0.3    | 99    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 257.588 | -3.0   | 100   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 48.059  | 3.9    | 97    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 238.566 | 4.6    | 98    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 51.852  | -3.7   | 104   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 49.731  | 0.5    | 100   | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 47.563  | 4.9    | 98    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 238.390 | 4.6    | 95    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 48.368  | 3.3#   | 97    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 46.514  | 7.0    | 93    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 48.047  | 3.9    | 96    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 49.680  | 0.6    | 105   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0    | 103   | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 49.996  | 0.0    | 106   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 47.628  | 4.7    | 98    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 48.479  | 3.0    | 96    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 47.887  | 4.2    | 98    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 47.719  | 4.6    | 94    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 48.090  | 3.8    | 97    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 51.075  | -2.2   | 98    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 48.165  | 3.7    | 97    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 50.510  | -1.0   | 99    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 47.683  | 4.6    | 97    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 49.395  | 1.2#   | 99    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 49.738  | 0.5    | 98    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 50.150  | -0.3   | 99    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 50.773  | -1.5   | 98    | 0.00     |

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

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Jan 07 04:15:12 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X010423W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jan 05 04:43:25 2023  
 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 | 929.216 | 7.1   | 93    | 0.02     |
| 50 S  | Toluene-d8                  | 50.000   | 49.900  | 0.2   | 104   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 245.401 | 1.8   | 96    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 47.858  | 4.3#  | 96    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 48.728  | 2.5   | 100   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 53.623  | -7.2  | 101   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 51.278  | -2.6  | 100   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 52.554  | -5.1  | 99    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 49.453  | 1.1   | 98    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 241.688 | 3.3   | 94    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 249.163 | 0.3   | 97    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 52.364  | -4.7  | 100   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 51.500  | -3.0  | 99    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 55.192  | -10.4 | 108   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0   | 101   | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 46.672  | 6.7   | 96    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 48.483  | 3.0   | 100   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 50.280  | -0.6  | 99    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 48.087  | 3.8#  | 95    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 98.121  | 1.9   | 97    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 48.728  | 2.5   | 96    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 50.117  | -0.2  | 97    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 54.517  | -9.0  | 102   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0   | 101   | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 46.170  | 7.7   | 95    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 48.180  | 3.6   | 100   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 46.469  | 7.1   | 99    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 45.893  | 8.2   | 100   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 47.087  | 5.8   | 99    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 46.882  | 6.2   | 96    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 46.225  | 7.5   | 97    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 47.502  | 5.0   | 98    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 50.838  | -1.7  | 104   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 45.846  | 8.3   | 97    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 46.760  | 6.5   | 99    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 47.000  | 6.0   | 99    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 48.294  | 3.4   | 98    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 49.152  | 1.7   | 98    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 48.026  | 3.9   | 100   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 48.580  | 2.8   | 99    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 49.273  | 1.5   | 98    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 49.904  | 0.2   | 100   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 48.546  | 2.9   | 101   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 51.336  | -2.7  | 94    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 49.867  | 0.3   | 100   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 53.623  | -7.2  | 100   | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 46.487  | 7.0   | 99    | 0.00     |

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

Instrument :  
MSVOA\_X  
LabSampleId :  
VSTDCCC050

Quant Time: Jan 07 04:15:12 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X010423W.M  
Quant Title : SW846 8260  
QLast Update : Thu Jan 05 04:43:25 2023  
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 | 46.714 | 6.6  | 98    | 0.00     |

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