

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX063021\  
 Data File : VX023051.D  
 Acq On : 30 Jun 2021 22:47  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Jul 01 03:29:02 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X062321W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jun 23 19:12:26 2021  
 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   | 93    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 48.286  | 3.4   | 85    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 48.942  | 2.1   | 94    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 48.482  | 3.0#  | 88    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 41.741  | 16.5  | 83    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 50.751  | -1.5  | 93    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 53.881  | -7.8  | 99    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 50.089  | -0.2  | 94    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 50.153  | -0.3  | 92    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 42.559  | 14.9  | 83    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 251.526 | -0.6  | 96    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 51.466  | -2.9# | 96    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 218.835 | 12.5  | 85    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 52.059  | -4.1  | 97    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 274.626 | -9.9  | 99    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 249.344 | 0.3   | 98    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 42.017  | 16.0  | 86    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 54.830  | -9.7  | 104   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 55.075  | -10.2 | 100   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 50.543  | -1.1  | 96    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 50.264  | -0.5  | 95    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 54.863  | -9.7  | 99    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 282.368 | -12.9 | 98    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 52.905  | -5.8  | 97    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 269.527 | -7.8  | 99    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 45.226  | 9.5   | 81    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 52.818  | -5.6  | 96    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 54.002  | -8.0  | 101   | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 271.181 | -8.5  | 97    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 52.818  | -5.6# | 98    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 49.483  | 1.0   | 92    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 53.524  | -7.0  | 96    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 51.799  | -3.6  | 103   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 97    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 49.231  | 1.5   | 98    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 48.777  | 2.4   | 96    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 52.956  | -5.9  | 102   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 51.570  | -3.1  | 94    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 46.315  | 7.4   | 88    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 49.732  | 0.5   | 95    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 53.510  | -7.0  | 105   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 53.943  | -7.9  | 100   | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 52.767  | -5.5  | 100   | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 47.874  | 4.3   | 92    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 52.546  | -5.1# | 99    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 51.494  | -3.0  | 100   | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 47.042  | 5.9   | 98    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 54.858  | -9.7  | 101   | 0.00     |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

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 Quant Title : SW846 8260  
 QLast Update : Wed Jun 23 19:12:26 2021  
 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 | 931.425 | 6.9   | 86    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 47.753  | 4.5   | 95    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 272.022 | -8.8  | 99    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 48.691  | 2.6#  | 91    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 44.980  | 10.0  | 94    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 46.346  | 7.3   | 93    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 50.748  | -1.5  | 95    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 47.734  | 4.5   | 96    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 50.723  | -1.4  | 95    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 251.845 | -0.7  | 98    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 270.673 | -8.3  | 98    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 45.192  | 9.6   | 93    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 51.055  | -2.1  | 96    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 49.274  | 1.5   | 99    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0   | 94    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 48.596  | 2.8   | 89    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 49.907  | 0.2   | 94    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 55.198  | -10.4 | 96    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 52.090  | -4.2# | 94    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 102.437 | -2.4  | 94    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 51.999  | -4.0  | 95    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 52.406  | -4.8  | 94    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 44.705  | 10.6  | 95    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0   | 94    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 53.085  | -6.2  | 95    | 0.00     |
| 74 T  | N-ethyl acetate             | 50.000   | 50.979  | -2.0  | 99    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 53.521  | -7.0  | 96    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 53.834  | -7.7  | 97    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 50.904  | -1.8  | 94    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 53.095  | -6.2  | 94    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 52.800  | -5.6  | 95    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 54.492  | -9.0  | 96    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 43.646  | 12.7  | 87    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 52.505  | -5.0  | 97    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 52.260  | -4.5  | 94    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 53.667  | -7.3  | 93    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 52.869  | -5.7  | 93    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 53.835  | -7.7  | 95    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 51.394  | -2.8  | 94    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 49.000  | 2.0   | 93    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 53.711  | -7.4  | 93    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 45.590  | 8.8   | 93    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 51.946  | -3.9  | 95    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 49.717  | 0.6   | 103   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 53.537  | -7.1  | 96    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 47.859  | 4.3   | 93    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 50.197  | -0.4  | 97    | 0.00     |

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Sample : VSTDCCC050  
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ALS Vial : 33 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
LabSampleId :  
VSTDCCC050

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Quant Title : SW846 8260  
QLast Update : Wed Jun 23 19:12:26 2021  
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 | 52.660 | -5.3 | 91    | 0.00     |

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