

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\WX030222\  
 Data File : VX027271.D  
 Acq On : 02 Mar 2022 18:37  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Mar 03 00:07:50 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X022322W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Feb 23 13:06:57 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   | 86    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 42.299  | 15.4  | 74    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 38.932  | 22.1  | 67    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 39.189  | 21.6# | 66    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 39.711  | 20.6  | 75    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 41.388  | 17.2  | 72    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 46.300  | 7.4   | 79    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 43.051  | 13.9  | 72    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 46.174  | 7.7   | 79    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 36.629  | 26.7# | 60    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 223.218 | 10.7  | 77    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 45.628  | 8.7#  | 78    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 241.728 | 3.3   | 86    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 44.617  | 10.8  | 75    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 239.168 | 4.3   | 80    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 222.632 | 10.9  | 79    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 42.135  | 15.7  | 72    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 45.685  | 8.6   | 77    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 48.100  | 3.8   | 80    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 47.229  | 5.5   | 82    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 46.285  | 7.4   | 78    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 46.657  | 6.7   | 78    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 242.118 | 3.2   | 79    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 46.887  | 6.2   | 80    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 231.293 | 7.5   | 78    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 49.307  | 1.4   | 82    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 48.161  | 3.7   | 81    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 48.891  | 2.2   | 81    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 226.986 | 9.2   | 77    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 47.513  | 5.0#  | 81    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 43.746  | 12.5  | 75    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 48.791  | 2.4   | 81    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 47.034  | 5.9   | 84    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 85    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 48.278  | 3.4   | 84    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 47.095  | 5.8   | 78    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 46.722  | 6.6   | 79    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 49.413  | 1.2   | 81    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 47.937  | 4.1   | 80    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 47.776  | 4.4   | 79    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 47.797  | 4.4   | 79    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 49.196  | 1.6   | 82    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 49.188  | 1.6   | 80    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 47.748  | 4.5   | 79    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 51.045  | -2.1# | 83    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 49.895  | 0.2   | 81    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 49.737  | 0.5   | 82    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 50.725  | -1.5  | 81    | 0.00     |

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 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X022322W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Feb 23 13:06:57 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 | 976.959 | 2.3   | 80    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 47.331  | 5.3   | 82    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 249.226 | 0.3   | 81    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 48.887  | 2.2#  | 81    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 48.799  | 2.4   | 87    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 52.234  | -4.5  | 83    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 51.164  | -2.3  | 84    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 51.347  | -2.7  | 81    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 51.726  | -3.5  | 84    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 258.772 | -3.5  | 83    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 258.066 | -3.2  | 83    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 55.935  | -11.9 | 89    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 51.131  | -2.3  | 82    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 48.092  | 3.8   | 82    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0   | 87    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 46.146  | 7.7   | 78    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 48.386  | 3.2   | 82    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 51.741  | -3.5  | 86    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 48.201  | 3.6#  | 81    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 98.132  | 1.9   | 81    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 48.282  | 3.4   | 81    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 50.100  | -0.2  | 81    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 46.538  | 6.9   | 85    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0   | 85    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 48.809  | 2.4   | 82    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 52.262  | -4.5  | 83    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 50.343  | -0.7  | 87    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 50.865  | -1.7  | 85    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 49.474  | 1.1   | 83    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 49.525  | 1.0   | 82    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 47.828  | 4.3   | 81    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 50.026  | -0.1  | 82    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 44.488  | 11.0  | 80    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 50.986  | -2.0  | 85    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 49.509  | 1.0   | 83    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 49.239  | 1.5   | 81    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 49.860  | 0.3   | 82    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 49.166  | 1.7   | 81    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 49.401  | 1.2   | 83    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 49.134  | 1.7   | 84    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 51.898  | -3.8  | 84    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 52.395  | -4.8  | 84    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 51.126  | -2.3  | 86    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 52.360  | -4.7  | 85    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 51.614  | -3.2  | 85    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 51.608  | -3.2  | 86    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 52.001  | -4.0  | 83    | 0.00     |

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Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
LabSampleId :  
VSTDCCC050

Quant Time: Mar 03 00:07:50 2022  
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Quant Title : SW846 8260  
QLast Update : Wed Feb 23 13:06:57 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 | 54.063 | -8.1 | 89    | 0.00     |

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