

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\WX012422\  
 Data File : VX026549.D  
 Acq On : 24 Jan 2022 10:09  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Jan 25 03:23:20 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X011122W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 11 14:45:13 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   | 97    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 43.270  | 13.5  | 83    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 47.756  | 4.5   | 95    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 46.443  | 7.1#  | 88    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 49.589  | 0.8   | 97    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 45.375  | 9.3   | 88    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 44.437  | 11.1  | 83    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 45.906  | 8.2   | 86    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 47.649  | 4.7   | 89    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 57.713  | -15.4 | 117   | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 202.253 | 19.1  | 74    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 46.260  | 7.5#  | 87    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 238.743 | 4.5   | 97    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 46.949  | 6.1   | 87    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 243.684 | 2.5   | 93    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 251.714 | -0.7  | 94    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 43.234  | 13.5  | 84    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 47.853  | 4.3   | 93    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 45.963  | 8.1   | 87    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 47.092  | 5.8   | 93    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 46.270  | 7.5   | 87    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 46.884  | 6.2   | 88    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 237.900 | 4.8   | 86    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 46.966  | 6.1   | 88    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 251.445 | -0.6  | 93    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 48.702  | 2.6   | 88    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 48.122  | 3.8   | 89    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 48.351  | 3.3   | 89    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 232.840 | 6.9   | 88    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 47.493  | 5.0#  | 89    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 44.983  | 10.0  | 86    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 47.303  | 5.4   | 86    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 45.648  | 8.7   | 86    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 96    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 48.502  | 3.0   | 89    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 46.365  | 7.3   | 86    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 47.674  | 4.7   | 88    | -0.01    |
| 38 T  | Carbon Tetrachloride        | 50.000  | 48.731  | 2.5   | 88    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 47.989  | 4.0   | 89    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 48.557  | 2.9   | 91    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 48.491  | 3.0   | 89    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 47.004  | 6.0   | 87    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 48.421  | 3.2   | 87    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 49.743  | 0.5   | 91    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 49.713  | 0.6#  | 91    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 49.657  | 0.7   | 91    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 51.110  | -2.2  | 92    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 48.337  | 3.3   | 89    | 0.00     |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Jan 25 03:23:20 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X011122W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 11 14:45:13 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 | 780.201 | 22.0  | 70    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 50.085  | -0.2  | 93    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 247.355 | 1.1   | 91    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 50.965  | -1.9# | 94    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 49.363  | 1.3   | 96    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 53.393  | -6.8  | 93    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 51.558  | -3.1  | 95    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 51.660  | -3.3  | 91    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 51.457  | -2.9  | 95    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 260.603 | -4.2  | 95    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 259.248 | -3.7  | 93    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 56.017  | -12.0 | 99    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 52.211  | -4.4  | 96    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 51.358  | -2.7  | 95    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0   | 101   | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 49.958  | 0.1   | 98    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 49.556  | 0.9   | 98    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 51.265  | -2.5  | 98    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 50.295  | -0.6# | 96    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 101.670 | -1.7  | 97    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 50.566  | -1.1  | 97    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 51.479  | -3.0  | 96    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 48.145  | 3.7   | 100   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0   | 99    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 50.424  | -0.8  | 97    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 48.389  | 3.2   | 88    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 46.786  | 6.4   | 91    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 49.504  | 1.0   | 94    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 49.622  | 0.8   | 96    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 51.073  | -2.1  | 98    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 49.057  | 1.9   | 96    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 49.963  | 0.1   | 96    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 49.014  | 2.0   | 101   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 48.828  | 2.3   | 95    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 49.707  | 0.6   | 94    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 49.972  | 0.1   | 95    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 51.516  | -3.0  | 97    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 51.907  | -3.8  | 98    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 48.867  | 2.3   | 96    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 48.975  | 2.0   | 96    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 52.236  | -4.5  | 97    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 50.000  | 0.0   | 101   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 50.130  | -0.3  | 96    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 47.972  | 4.1   | 88    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 50.300  | -0.6  | 95    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 52.355  | -4.7  | 101   | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 50.062  | -0.1  | 93    | 0.00     |

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Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
LabSampleId :  
VSTDCCC050

Quant Time: Jan 25 03:23:20 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X011122W.M  
Quant Title : SW846 8260  
QLast Update : Tue Jan 11 14:45:13 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 | 50.477 | -1.0 | 96    | 0.00     |

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