

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX042225\  
 Data File : VX045875.D  
 Acq On : 22 Apr 2025 10:29  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Apr 23 01:32:24 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X040225W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Apr 02 03:11:43 2025  
 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   | 88    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 46.069  | 7.9   | 74    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 44.467  | 11.1  | 77    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 44.601  | 10.8# | 77    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 44.443  | 11.1  | 79    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 47.252  | 5.5   | 78    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 48.551  | 2.9   | 83    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 46.649  | 6.7   | 81    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 50.456  | -0.9  | 88    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 49.316  | 1.4   | 83    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 250.794 | -0.3  | 86    | -0.01    |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 46.601  | 6.8#  | 82    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 210.681 | 15.7  | 75    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 48.985  | 2.0   | 84    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 229.629 | 8.1   | 77    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 251.978 | -0.8  | 88    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 46.734  | 6.5   | 79    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 49.722  | 0.6   | 88    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 48.999  | 2.0   | 86    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 46.282  | 7.4   | 81    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 47.470  | 5.1   | 82    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 48.141  | 3.7   | 83    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 250.484 | -0.2  | 82    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 46.785  | 6.4   | 82    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 241.070 | 3.6   | 80    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 58.320  | -16.6 | 99    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 47.741  | 4.5   | 84    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 37.872  | 24.3  | 69    | -0.01    |
| 29 T  | Tetrahydrofuran             | 250.000 | 227.676 | 8.9   | 77    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 48.058  | 3.9#  | 84    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 47.780  | 4.4   | 84    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 49.739  | 0.5   | 87    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 42.913  | 14.2  | 80    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 87    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 44.313  | 11.4  | 79    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 51.081  | -2.2  | 87    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 47.111  | 5.8   | 79    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 51.821  | -3.6  | 87    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 53.098  | -6.2  | 87    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 48.605  | 2.8   | 83    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 51.546  | -3.1  | 81    | -0.01    |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 50.634  | -1.3  | 85    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 50.066  | -0.1  | 81    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 49.437  | 1.1   | 85    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 48.978  | 2.0#  | 82    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 49.478  | 1.0   | 82    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 50.989  | -2.0  | 87    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 50.797  | -1.6  | 82    | 0.00     |

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

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Apr 23 01:32:24 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X040225W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Apr 02 03:11:43 2025  
 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 | 1072.021 | -7.2  | 86    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 43.124   | 13.8  | 76    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 248.760  | 0.5   | 79    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 50.129   | -0.3# | 85    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 48.081   | 3.8   | 88    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 53.938   | -7.9  | 87    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 48.783   | 2.4   | 83    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 52.471   | -4.9  | 83    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 49.854   | 0.3   | 84    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 209.371  | 16.3  | 67    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 254.480  | -1.8  | 81    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 52.353   | -4.7  | 85    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 51.351   | -2.7  | 85    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 46.481   | 7.0   | 80    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0   | 86    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 48.686   | 2.6   | 85    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 50.417   | -0.8  | 85    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 50.141   | -0.3  | 86    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 51.389   | -2.8# | 84    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 103.303  | -3.3  | 85    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 51.499   | -3.0  | 84    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 52.480   | -5.0  | 84    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 52.316   | -4.6  | 84    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0   | 90    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 49.250   | 1.5   | 85    | 0.00     |
| 74 T  | N-ethyl acetate             | 50.000   | 50.235   | -0.5  | 84    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 45.944   | 8.1   | 84    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 47.028   | 5.9   | 84    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 47.662   | 4.7   | 85    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 50.015   | -0.0  | 85    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 47.991   | 4.0   | 86    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 50.339   | -0.7  | 86    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 49.315   | 1.4   | 86    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 49.954   | 0.1   | 86    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 49.656   | 0.7   | 86    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 50.429   | -0.9  | 86    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 51.302   | -2.6  | 87    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 51.321   | -2.6  | 87    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 49.318   | 1.4   | 88    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 48.187   | 3.6   | 87    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 53.709   | -7.4  | 88    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 52.822   | -5.6  | 91    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 48.478   | 3.0   | 87    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 50.151   | -0.3  | 84    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 51.553   | -3.1  | 92    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 52.574   | -5.1  | 94    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 49.790   | 0.4   | 84    | 0.00     |

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

Instrument :  
MSVOA\_X  
LabSampleId :  
VSTDCCC050

Quant Time: Apr 23 01:32:24 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X040225W.M  
Quant Title : SW846 8260  
QLast Update : Wed Apr 02 03:11:43 2025  
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 | 50.148 | -0.3 | 88    | 0.00     |

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