

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX032725\  
 Data File : VX045472.D  
 Acq On : 27 Mar 2025 12:06  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Mar 28 01:33:58 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X022825W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Feb 28 06:45:16 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    | 89    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 62.726  | -25.5# | 112   | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 51.579  | -3.2   | 93    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 47.078  | 5.8#   | 84    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 55.516  | -11.0  | 101   | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 55.611  | -11.2  | 93    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 54.478  | -9.0   | 93    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 45.611  | 8.8    | 83    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 60.660  | -21.3  | 105   | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 55.063  | -10.1  | 92    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 201.582 | 19.4   | 80    | -0.01    |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 52.917  | -5.8#  | 92    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 275.953 | -10.4  | 98    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 55.228  | -10.5  | 97    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 252.847 | -1.1   | 88    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 370.237 | -48.1# | 138   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 49.223  | 1.6    | 86    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 48.451  | 3.1    | 88    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 52.895  | -5.8   | 93    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 50.778  | -1.6   | 94    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 52.239  | -4.5   | 89    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 52.747  | -5.5   | 91    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 282.991 | -13.2  | 94    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 52.666  | -5.3   | 94    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 289.275 | -15.7  | 98    | -0.01    |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 83.667  | -67.3# | 145   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 51.391  | -2.8   | 90    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 54.803  | -9.6   | 96    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 241.310 | 3.5    | 85    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 54.045  | -8.1#  | 95    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 53.575  | -7.2   | 93    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 56.944  | -13.9  | 99    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 59.976  | -20.0  | 112   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0    | 85    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 58.913  | -17.8  | 101   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 54.701  | -9.4   | 91    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 54.321  | -8.6   | 90    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 60.462  | -20.9  | 102   | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 60.216  | -20.4  | 96    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 53.058  | -6.1   | 87    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 56.674  | -13.3  | 90    | -0.01    |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 60.483  | -21.0  | 101   | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 56.605  | -13.2  | 90    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 53.335  | -6.7   | 90    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 53.093  | -6.2#  | 90    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 57.287  | -14.6  | 95    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 57.695  | -15.4  | 96    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 58.520  | -17.0  | 94    | 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: Mar 28 01:33:58 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X022825W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Feb 28 06:45:16 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 | 934.960 | 6.5    | 78    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 54.367  | -8.7   | 92    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 286.775 | -14.7  | 93    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 54.437  | -8.9#  | 87    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 62.623  | -25.2# | 98    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 60.140  | -20.3  | 96    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 52.820  | -5.6   | 88    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 58.890  | -17.8  | 93    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 54.189  | -8.4   | 90    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 291.990 | -16.8  | 90    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 304.576 | -21.8  | 98    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 58.461  | -16.9  | 94    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 54.867  | -9.7   | 91    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 65.067  | -30.1# | 110   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0    | 86    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 56.138  | -12.3  | 95    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 53.787  | -7.6   | 89    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 55.133  | -10.3  | 94    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 56.382  | -12.8# | 91    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 112.832 | -12.8  | 90    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 54.964  | -9.9   | 91    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 57.761  | -15.5  | 92    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 60.018  | -20.0  | 99    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0    | 93    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 53.339  | -6.7   | 94    | 0.00     |
| 74 T  | N-ethyl acetate             | 50.000   | 56.236  | -12.5  | 97    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 49.725  | 0.5    | 94    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 52.194  | -4.4   | 99    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 51.503  | -3.0   | 94    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 55.630  | -11.3  | 95    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 53.541  | -7.1   | 98    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 56.102  | -12.2  | 97    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 56.574  | -13.1  | 106   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 56.577  | -13.2  | 100   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 53.376  | -6.8   | 96    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 55.694  | -11.4  | 98    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 57.075  | -14.2  | 98    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 58.201  | -16.4  | 99    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 53.423  | -6.8   | 98    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 52.207  | -4.4   | 96    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 62.292  | -24.6  | 104   | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 56.302  | -12.6  | 99    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 51.814  | -3.6   | 95    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 55.713  | -11.4  | 100   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 53.032  | -6.1   | 92    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 55.791  | -11.6  | 102   | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 50.741  | -1.5   | 87    | 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: Mar 28 01:33:58 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X022825W.M  
Quant Title : SW846 8260  
QLast Update : Fri Feb 28 06:45:16 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 | 51.994 | -4.0 | 91    | 0.00     |

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