

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX120924\  
 Data File : VX044174.D  
 Acq On : 09 Dec 2024 09:42  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Dec 10 01:35:23 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 22 03:45:52 2024  
 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  | 48.153  | 3.7    | 83    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 48.602  | 2.8    | 86    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 51.045  | -2.1#  | 88    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 56.604  | -13.2  | 103   | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 57.893  | -15.8  | 101   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 64.166  | -28.3# | 111   | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 54.017  | -8.0   | 98    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 55.529  | -11.1  | 95    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 55.244  | -10.5  | 96    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 250.958 | -0.4   | 89    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 53.377  | -6.8#  | 95    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 182.338 | 27.1#  | 68    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 56.036  | -12.1  | 94    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 272.630 | -9.1   | 92    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 287.937 | -15.2  | 99    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 51.493  | -3.0   | 88    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 53.780  | -7.6   | 93    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 58.247  | -16.5  | 100   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 52.463  | -4.9   | 98    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 53.892  | -7.8   | 94    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 57.225  | -14.5  | 99    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 291.530 | -16.6  | 96    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 55.983  | -12.0  | 96    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 284.114 | -13.6  | 95    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 57.356  | -14.7  | 98    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 54.879  | -9.8   | 95    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 47.061  | 5.9    | 99    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 266.254 | -6.5   | 91    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 55.994  | -12.0# | 99    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 53.150  | -6.3   | 91    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 59.637  | -19.3  | 101   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 50.931  | -1.9   | 108   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0    | 94    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 51.481  | -3.0   | 106   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 56.258  | -12.5  | 95    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 56.170  | -12.3  | 96    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 59.182  | -18.4  | 100   | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 56.127  | -12.3  | 93    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 54.597  | -9.2   | 95    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 55.276  | -10.6  | 89    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 57.138  | -14.3  | 99    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 57.468  | -14.9  | 97    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 48.503  | 3.0    | 96    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 57.290  | -14.6# | 99    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 57.782  | -15.6  | 100   | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 62.329  | -24.7  | 104   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 56.476  | -13.0  | 96    | 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

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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 22 03:45:52 2024  
 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 | 748.393 | 25.2#  | 65    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 48.907  | 2.2    | 103   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 291.699 | -16.7  | 97    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 57.015  | -14.0# | 97    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 60.514  | -21.0  | 98    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 59.699  | -19.4  | 99    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 57.058  | -14.1  | 99    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 60.237  | -20.5  | 99    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 58.519  | -17.0  | 102   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 272.768 | -9.1   | 98    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 296.330 | -18.5  | 96    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 63.187  | -26.4# | 103   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 58.852  | -17.7  | 100   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 53.924  | -7.8   | 110   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0    | 93    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 56.432  | -12.9  | 99    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 54.997  | -10.0  | 98    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 60.723  | -21.4  | 101   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 58.352  | -16.7# | 100   | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 115.254 | -15.3  | 97    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 59.412  | -18.8  | 99    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 59.859  | -19.7  | 99    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 56.868  | -13.7  | 102   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0    | 97    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 55.131  | -10.3  | 101   | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 56.557  | -13.1  | 98    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 52.980  | -6.0   | 97    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 55.113  | -10.2  | 100   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 54.572  | -9.1   | 100   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 57.544  | -15.1  | 102   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 54.387  | -8.8   | 100   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 56.047  | -12.1  | 100   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 54.171  | -8.3   | 96    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 55.701  | -11.4  | 100   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 57.848  | -15.7  | 103   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 57.161  | -14.3  | 102   | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 57.559  | -15.1  | 101   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 59.908  | -19.8  | 103   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 54.794  | -9.6   | 101   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 54.031  | -8.1   | 100   | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 61.157  | -22.3  | 103   | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 58.597  | -17.2  | 103   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 55.006  | -10.0  | 102   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 59.476  | -19.0  | 107   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 55.987  | -12.0  | 100   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 56.671  | -13.3  | 105   | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 58.075  | -16.2  | 101   | 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: Dec 10 01:35:23 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
Quant Title : SW846 8260  
QLast Update : Fri Nov 22 03:45:52 2024  
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 | 56.138 | -12.3 | 98    | 0.00     |

(#) = Out of Range

SPCC's out = 0 CCC's out = 6