

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\WX102523\  
 Data File : VX038494.D  
 Acq On : 26 Oct 2023 02:32  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Oct 26 06:13:14 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X100523W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 05 15:27:13 2023  
 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   | 123   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 49.169  | 1.7   | 118   | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 46.081  | 7.8   | 123   | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 46.910  | 6.2#  | 116   | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 52.523  | -5.0  | 120   | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 43.648  | 12.7  | 97    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 43.389  | 13.2  | 107   | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 43.168  | 13.7  | 107   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 53.798  | -7.6  | 133   | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 52.237  | -4.5  | 129   | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 271.372 | -8.5  | 135   | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 53.134  | -6.3# | 131   | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 255.784 | -2.3  | 140   | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 44.873  | 10.3  | 111   | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 246.645 | 1.3   | 122   | 0.00     |
| 16 T  | Acetone                     | 250.000 | 219.149 | 12.3  | 113   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 42.795  | 14.4  | 111   | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 53.408  | -6.8  | 133   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 49.564  | 0.9   | 122   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 47.474  | 5.1   | 129   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 48.345  | 3.3   | 117   | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 46.032  | 7.9   | 111   | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 222.930 | 10.8  | 106   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 46.547  | 6.9   | 116   | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 225.593 | 9.8   | 112   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 38.335  | 23.3  | 92    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 49.271  | 1.5   | 123   | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 43.469  | 13.1  | 102   | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 223.771 | 10.5  | 112   | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 48.687  | 2.6#  | 117   | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 42.291  | 15.4  | 101   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 48.912  | 2.2   | 116   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 40.979  | 18.0  | 100   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 112   | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 53.549  | -7.1  | 120   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 47.086  | 5.8   | 109   | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 47.747  | 4.5   | 108   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 53.290  | -6.6  | 117   | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 46.552  | 6.9   | 103   | 0.00     |
| 40 TM | Benzene                     | 50.000  | 51.379  | -2.8  | 114   | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 49.571  | 0.9   | 110   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 47.834  | 4.3   | 107   | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 49.204  | 1.6   | 107   | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 56.328  | -12.7 | 125   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 51.332  | -2.7# | 114   | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 52.814  | -5.6  | 120   | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 55.432  | -10.9 | 117   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 50.157  | -0.3  | 109   | 0.00     |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Oct 26 06:13:14 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X100523W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 05 15:27:13 2023  
 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 | 867.510 | 13.2  | 95    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 47.330  | 5.3   | 106   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 251.753 | -0.7  | 112   | 0.00     |
| 52 CM | Toluene                     | 50.000   | 51.753  | -3.5# | 114   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 51.835  | -3.7  | 108   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 52.187  | -4.4  | 111   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 54.388  | -8.8  | 121   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 52.500  | -5.0  | 113   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 52.202  | -4.4  | 114   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 227.463 | 9.0   | 100   | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 252.895 | -1.2  | 112   | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 60.929  | -21.9 | 129   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 54.476  | -9.0  | 119   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 51.034  | -2.1  | 114   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0   | 112   | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 59.130  | -18.3 | 131   | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 53.286  | -6.6  | 121   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 60.684  | -21.4 | 128   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 51.894  | -3.8# | 115   | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 105.189 | -5.2  | 117   | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 52.819  | -5.6  | 119   | 0.00     |
| 70 T  | Styrene                     | 50.000   | 55.733  | -11.5 | 121   | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 58.503  | -17.0 | 141   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0   | 122   | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 49.159  | 1.7   | 119   | 0.00     |
| 74 T  | N-ethyl acetate             | 50.000   | 47.623  | 4.8   | 109   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 51.263  | -2.5  | 124   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 49.565  | 0.9   | 120   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 53.632  | -7.3  | 132   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 47.537  | 4.9   | 115   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 47.368  | 5.3   | 118   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 49.829  | 0.3   | 119   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 42.709  | 14.6  | 107   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 47.189  | 5.6   | 115   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 50.999  | -2.0  | 123   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 49.933  | 0.1   | 118   | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 49.462  | 1.1   | 118   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 50.952  | -1.9  | 121   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 51.995  | -4.0  | 129   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 52.005  | -4.0  | 132   | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 45.815  | 8.4   | 110   | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 52.693  | -5.4  | 121   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 53.929  | -7.9  | 134   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 51.194  | -2.4  | 119   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 54.135  | -8.3  | 135   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 52.633  | -5.3  | 131   | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 50.973  | -1.9  | 126   | 0.00     |

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Operator : JC/MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 33 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
LabSampleId :  
VSTDCCC050

Quant Time: Oct 26 06:13:14 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X100523W.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 05 15:27:13 2023  
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 | 54.161 | -8.3 | 134   | 0.00     |

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