

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\WX041824\  
 Data File : VX041164.D  
 Acq On : 18 Apr 2024 15:29  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Apr 19 03:33:44 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X041624W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Apr 17 02:04:44 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   | 117   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 45.749  | 8.5   | 110   | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 43.191  | 13.6  | 104   | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 40.110  | 19.8# | 95    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 35.200  | 29.6# | 81    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 22.680  | 54.6# | 54    | -0.02    |
| 7 T   | Trichlorofluoromethane      | 50.000  | 42.157  | 15.7  | 99    | -0.03    |
| 8 T   | Diethyl Ether               | 50.000  | 44.239  | 11.5  | 106   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 46.734  | 6.5   | 113   | -0.02    |
| 10 T  | Methyl Iodide               | 50.000  | 51.389  | -2.8  | 115   | -0.01    |
| 11 T  | Tert butyl alcohol          | 250.000 | 212.272 | 15.1  | 98    | 0.09     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 44.902  | 10.2# | 108   | -0.01    |
| 13 T  | Acrolein                    | 250.000 | 224.419 | 10.2  | 102   | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 46.378  | 7.2   | 106   | -0.01    |
| 15 T  | Acrylonitrile               | 250.000 | 228.635 | 8.5   | 103   | 0.00     |
| 16 T  | Acetone                     | 250.000 | 223.588 | 10.6  | 105   | 0.01     |
| 17 T  | Carbon Disulfide            | 50.000  | 34.531  | 30.9# | 86    | -0.02    |
| 18 T  | Methyl Acetate              | 50.000  | 49.727  | 0.5   | 112   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 50.011  | -0.0  | 112   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 45.095  | 9.8   | 108   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 44.273  | 11.5  | 105   | -0.01    |
| 22 T  | Diisopropyl ether           | 50.000  | 49.267  | 1.5   | 110   | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 242.702 | 2.9   | 106   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 46.735  | 6.5   | 108   | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 224.728 | 10.1  | 100   | 0.01     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 49.426  | 1.1   | 114   | -0.01    |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 46.259  | 7.5   | 108   | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 44.805  | 10.4  | 97    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 225.530 | 9.8   | 101   | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 46.190  | 7.6#  | 108   | -0.01    |
| 31 T  | Cyclohexane                 | 50.000  | 46.013  | 8.0   | 113   | -0.01    |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 46.163  | 7.7   | 107   | -0.01    |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 47.939  | 4.1   | 111   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 115   | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 49.805  | 0.4   | 110   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 46.444  | 7.1   | 109   | -0.01    |
| 37 T  | Ethyl Acetate               | 50.000  | 46.696  | 6.6   | 103   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 45.683  | 8.6   | 104   | -0.01    |
| 39 T  | Methylcyclohexane           | 50.000  | 48.853  | 2.3   | 113   | 0.00     |
| 40 TM | Benzene                     | 50.000  | 47.714  | 4.6   | 109   | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 48.463  | 3.1   | 101   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 46.900  | 6.2   | 106   | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 48.905  | 2.2   | 106   | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 46.547  | 6.9   | 110   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 48.846  | 2.3#  | 107   | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 46.957  | 6.1   | 104   | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 46.708  | 6.6   | 102   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 50.091  | -0.2  | 104   | 0.00     |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Apr 19 03:33:44 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X041624W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Apr 17 02:04:44 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 | 892.592 | 10.7  | 90    | 0.02     |
| 50 S  | Toluene-d8                  | 50.000   | 50.544  | -1.1  | 112   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 237.404 | 5.0   | 101   | 0.00     |
| 52 CM | Toluene                     | 50.000   | 47.940  | 4.1#  | 106   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 48.909  | 2.2   | 104   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 49.214  | 1.6   | 105   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 48.924  | 2.2   | 107   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 47.758  | 4.5   | 108   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 48.309  | 3.4   | 106   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 262.293 | -4.9  | 110   | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 241.391 | 3.4   | 102   | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 46.413  | 7.2   | 98    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 46.624  | 6.8   | 104   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 50.064  | -0.1  | 109   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0   | 111   | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 47.586  | 4.8   | 108   | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 47.281  | 5.4   | 106   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 49.320  | 1.4   | 104   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 49.694  | 0.6#  | 108   | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 99.881  | 0.1   | 106   | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 50.834  | -1.7  | 108   | 0.00     |
| 70 T  | Styrene                     | 50.000   | 50.474  | -0.9  | 105   | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 47.675  | 4.7   | 97    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0   | 106   | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 53.719  | -7.4  | 109   | 0.00     |
| 74 T  | N-ethyl acetate             | 50.000   | 56.439  | -12.9 | 107   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 52.570  | -5.1  | 106   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 49.947  | 0.1   | 102   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 51.854  | -3.7  | 106   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 53.344  | -6.7  | 107   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 52.689  | -5.4  | 108   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 54.311  | -8.6  | 108   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 47.594  | 4.8   | 102   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 52.000  | -4.0  | 105   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 54.971  | -9.9  | 109   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 54.620  | -9.2  | 108   | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 54.218  | -8.4  | 109   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 54.314  | -8.6  | 108   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 50.154  | -0.3  | 104   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 48.062  | 3.9   | 104   | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 51.405  | -2.8  | 102   | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 50.996  | -2.0  | 101   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 51.910  | -3.8  | 108   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 51.579  | -3.2  | 98    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 50.525  | -1.0  | 103   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 53.592  | -7.2  | 109   | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 53.545  | -7.1  | 102   | 0.00     |

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Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
LabSampleId :  
VSTDCCC050

Quant Time: Apr 19 03:33:44 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X041624W.M  
Quant Title : SW846 8260  
QLast Update : Wed Apr 17 02:04:44 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 | 52.407 | -4.8 | 107   | 0.00     |

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