

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\WX020922\  
 Data File : VX026864.D  
 Acq On : 09 Feb 2022 11:48  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Feb 10 01:03:16 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X020822W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Feb 08 07:07:46 2022  
 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    | 96    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 54.004  | -8.0   | 105   | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 52.569  | -5.1   | 105   | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 53.291  | -6.6#  | 104   | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 54.161  | -8.3   | 114   | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 57.573  | -15.1  | 103   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 53.568  | -7.1   | 104   | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 52.945  | -5.9   | 106   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 55.133  | -10.3  | 108   | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 49.519  | 1.0    | 101   | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 232.701 | 6.9    | 94    | -0.02    |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 52.189  | -4.4#  | 103   | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 277.530 | -11.0  | 110   | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 53.884  | -7.8   | 106   | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 257.306 | -2.9   | 101   | 0.00     |
| 16 T  | Acetone                     | 250.000 | 296.007 | -18.4  | 122   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 51.011  | -2.0   | 102   | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 49.818  | 0.4    | 102   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 52.798  | -5.6   | 105   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 50.953  | -1.9   | 105   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 52.980  | -6.0   | 103   | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 52.924  | -5.8   | 104   | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 277.079 | -10.8  | 106   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 53.320  | -6.6   | 105   | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 274.234 | -9.7   | 108   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 63.047  | -26.1# | 120   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 53.588  | -7.2   | 104   | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 53.629  | -7.3   | 106   | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 253.260 | -1.3   | 100   | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 52.523  | -5.0#  | 106   | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 52.900  | -5.8   | 104   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 53.588  | -7.2   | 105   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 54.422  | -8.8   | 113   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0    | 95    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 54.331  | -8.7   | 113   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 54.084  | -8.2   | 107   | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 51.444  | -2.9   | 102   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 53.412  | -6.8   | 105   | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 56.146  | -12.3  | 109   | 0.00     |
| 40 TM | Benzene                     | 50.000  | 53.116  | -6.2   | 105   | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 52.485  | -5.0   | 102   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 55.064  | -10.1  | 107   | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 54.765  | -9.5   | 104   | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 52.468  | -4.9   | 102   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 53.547  | -7.1#  | 105   | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 54.592  | -9.2   | 107   | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 55.838  | -11.7  | 107   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 53.350  | -6.7   | 104   | 0.00     |

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 Data File : VX026864.D  
 Acq On : 09 Feb 2022 11:48  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Feb 10 01:03:16 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X020822W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Feb 08 07:07:46 2022  
 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 | 937.398 | 6.3    | 91    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 53.994  | -8.0   | 112   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 262.451 | -5.0   | 103   | 0.00     |
| 52 CM | Toluene                     | 50.000   | 52.161  | -4.3#  | 104   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 54.694  | -9.4   | 112   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 59.594  | -19.2  | 110   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 54.288  | -8.6   | 105   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 54.857  | -9.7   | 105   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 54.827  | -9.7   | 106   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 262.584 | -5.0   | 95    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 266.692 | -6.7   | 104   | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 56.259  | -12.5  | 105   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 54.258  | -8.5   | 105   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 53.915  | -7.8   | 112   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0    | 94    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 54.374  | -8.7   | 101   | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 53.761  | -7.5   | 105   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 55.236  | -10.5  | 105   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 55.017  | -10.0# | 105   | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 109.220 | -9.2   | 105   | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 54.167  | -8.3   | 105   | 0.00     |
| 70 T  | Styrene                     | 50.000   | 54.718  | -9.4   | 104   | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 50.880  | -1.8   | 106   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0    | 94    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 54.753  | -9.5   | 104   | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 55.544  | -11.1  | 104   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 51.821  | -3.6   | 105   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 53.985  | -8.0   | 105   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 53.520  | -7.0   | 104   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 56.492  | -13.0  | 107   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 53.636  | -7.3   | 106   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 55.025  | -10.0  | 105   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 53.850  | -7.7   | 109   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 55.647  | -11.3  | 107   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 54.399  | -8.8   | 106   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 54.298  | -8.6   | 106   | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 56.031  | -12.1  | 107   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 56.015  | -12.0  | 107   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 54.115  | -8.2   | 106   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 53.693  | -7.4   | 106   | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 58.963  | -17.9  | 112   | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 60.314  | -20.6  | 113   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 53.670  | -7.3   | 104   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 54.706  | -9.4   | 101   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 56.755  | -13.5  | 108   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 57.866  | -15.7  | 111   | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 55.658  | -11.3  | 103   | 0.00     |

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Data File : VX026864.D  
Acq On : 09 Feb 2022 11:48  
Operator : JC/MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
LabSampleId :  
VSTDCCC050

Quant Time: Feb 10 01:03:16 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X020822W.M  
Quant Title : SW846 8260  
QLast Update : Tue Feb 08 07:07:46 2022  
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 | 56.168 | -12.3 | 107   | 0.00     |

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