

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\WX040323\  
 Data File : VX034938.D  
 Acq On : 03 Apr 2023 17:29  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Apr 03 21:40:22 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X032923W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Apr 01 01:50:18 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   | 92    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 55.125  | -10.3 | 111   | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 50.620  | -1.2  | 100   | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 50.453  | -0.9# | 100   | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 40.936  | 18.1  | 81    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 42.487  | 15.0  | 85    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 45.068  | 9.9   | 89    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 50.470  | -0.9  | 100   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 51.428  | -2.9  | 101   | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 46.583  | 6.8   | 87    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 265.160 | -6.1  | 100   | -0.02    |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 49.679  | 0.6#  | 98    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 248.668 | 0.5   | 97    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 51.162  | -2.3  | 100   | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 268.619 | -7.4  | 103   | 0.00     |
| 16 T  | Acetone                     | 250.000 | 252.659 | -1.1  | 98    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 45.879  | 8.2   | 87    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 55.906  | -11.8 | 109   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 51.193  | -2.4  | 100   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 46.995  | 6.0   | 96    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 48.942  | 2.1   | 95    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 51.244  | -2.5  | 100   | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 270.633 | -8.3  | 100   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 50.477  | -1.0  | 98    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 264.264 | -5.7  | 99    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 49.310  | 1.4   | 93    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 49.107  | 1.8   | 97    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 48.386  | 3.2   | 93    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 273.084 | -9.2  | 104   | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 50.798  | -1.6# | 98    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 50.978  | -2.0  | 96    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 52.804  | -5.6  | 100   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 50.655  | -1.3  | 93    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 92    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 49.779  | 0.4   | 94    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 49.521  | 1.0   | 97    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 54.032  | -8.1  | 101   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 52.819  | -5.6  | 100   | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 49.655  | 0.7   | 97    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 49.087  | 1.8   | 96    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 57.394  | -14.8 | 107   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 50.824  | -1.6  | 98    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 53.230  | -6.5  | 101   | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 49.149  | 1.7   | 96    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 50.108  | -0.2# | 97    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 49.200  | 1.6   | 95    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 52.987  | -6.0  | 98    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 54.945  | -9.9  | 103   | 0.00     |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Apr 03 21:40:22 2023  
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 Quant Title : SW846 8260  
 QLast Update : Sat Apr 01 01:50:18 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 | 1032.177 | -3.2  | 98    | -0.02    |
| 50 S  | Toluene-d8                  | 50.000   | 49.578   | 0.8   | 92    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 271.047  | -8.4  | 102   | 0.00     |
| 52 CM | Toluene                     | 50.000   | 48.086   | 3.8#  | 97    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 53.850   | -7.7  | 95    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 53.028   | -6.1  | 95    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 50.559   | -1.1  | 97    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 53.380   | -6.8  | 97    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 50.342   | -0.7  | 98    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 278.125  | -11.3 | 102   | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 270.629  | -8.3  | 100   | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 53.951   | -7.9  | 97    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 50.933   | -1.9  | 96    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 50.338   | -0.7  | 91    | 0.00     |
|       |                             |          |          |       |       |          |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0   | 92    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 46.342   | 7.3   | 92    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 49.918   | 0.2   | 97    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 53.875   | -7.8  | 97    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 50.725   | -1.5# | 97    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 100.046  | -0.0  | 96    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 50.715   | -1.4  | 97    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 52.759   | -5.5  | 97    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 55.536   | -11.1 | 97    | 0.00     |
|       |                             |          |          |       |       |          |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0   | 90    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 51.571   | -3.1  | 97    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 55.976   | -12.0 | 98    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 51.782   | -3.6  | 98    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 52.036   | -4.1  | 98    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 48.961   | 2.1   | 95    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 51.337   | -2.7  | 96    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 50.774   | -1.5  | 96    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 51.892   | -3.8  | 97    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 52.194   | -4.4  | 92    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 50.245   | -0.5  | 95    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 53.866   | -7.7  | 100   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 51.166   | -2.3  | 96    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 51.789   | -3.6  | 97    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 52.556   | -5.1  | 96    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 50.617   | -1.2  | 94    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 48.863   | 2.3   | 93    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 51.301   | -2.6  | 94    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 54.301   | -8.6  | 93    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 49.740   | 0.5   | 95    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 58.119   | -16.2 | 98    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 51.653   | -3.3  | 94    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 46.567   | 6.9   | 95    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 53.616   | -7.2  | 97    | 0.00     |

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Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
LabSampleId :  
VSTDCCC050

Quant Time: Apr 03 21:40:22 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X032923W.M  
Quant Title : SW846 8260  
QLast Update : Sat Apr 01 01:50:18 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 | 51.342 | -2.7 | 95    | 0.00     |

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