

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\WX033123\  
 Data File : VX034915.D  
 Acq On : 01 Apr 2023 10:01  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 57 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Apr 03 02:13:21 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   | 91    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 55.319  | -10.6 | 110   | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 51.141  | -2.3  | 99    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 50.362  | -0.7# | 99    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 41.590  | 16.8  | 81    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 44.187  | 11.6  | 88    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 44.528  | 10.9  | 87    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 49.183  | 1.6   | 96    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 49.008  | 2.0   | 95    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 44.019  | 12.0  | 81    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 228.303 | 8.7   | 85    | -0.01    |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 47.395  | 5.2#  | 92    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 213.103 | 14.8  | 82    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 48.282  | 3.4   | 93    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 264.442 | -5.8  | 100   | 0.00     |
| 16 T  | Acetone                     | 250.000 | 241.177 | 3.5   | 93    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 44.669  | 10.7  | 84    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 53.886  | -7.8  | 104   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 50.050  | -0.1  | 96    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 47.120  | 5.8   | 95    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 48.161  | 3.7   | 93    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 50.382  | -0.8  | 97    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 260.655 | -4.3  | 95    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 49.759  | 0.5   | 96    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 256.929 | -2.8  | 95    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 35.182  | 29.6# | 66    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 48.367  | 3.3   | 94    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 48.316  | 3.4   | 92    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 267.474 | -7.0  | 100   | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 49.947  | 0.1#  | 95    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 50.458  | -0.9  | 94    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 50.589  | -1.2  | 94    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 51.354  | -2.7  | 94    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 92    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 49.186  | 1.6   | 92    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 48.409  | 3.2   | 95    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 52.124  | -4.2  | 97    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 51.093  | -2.2  | 96    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 46.934  | 6.1   | 91    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 47.888  | 4.2   | 94    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 54.777  | -9.6  | 102   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 50.413  | -0.8  | 98    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 50.486  | -1.0  | 96    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 47.747  | 4.5   | 93    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 48.488  | 3.0#  | 94    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 48.139  | 3.7   | 93    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 51.071  | -2.1  | 95    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 52.826  | -5.7  | 99    | 0.00     |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 57 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Apr 03 02:13:21 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) |
|-------|-----------------------------|----------|---------|------|-------|----------|
| 49 T  | 1,4-Dioxane                 | 1000.000 | 932.493 | 6.8  | 89    | -0.01    |
| 50 S  | Toluene-d8                  | 50.000   | 49.043  | 1.9  | 91    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 263.243 | -5.3 | 99    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 46.596  | 6.8# | 94    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 47.709  | 4.6  | 84    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 47.970  | 4.1  | 86    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 48.992  | 2.0  | 94    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 51.992  | -4.0 | 94    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 49.248  | 1.5  | 95    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 265.740 | -6.3 | 98    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 263.287 | -5.3 | 97    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 51.171  | -2.3 | 92    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 49.765  | 0.5  | 94    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 51.108  | -2.2 | 93    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0  | 93    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 44.971  | 10.1 | 90    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 47.454  | 5.1  | 93    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 50.126  | -0.3 | 92    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 48.613  | 2.8# | 94    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 95.252  | 4.7  | 93    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 48.354  | 3.3  | 94    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 50.374  | -0.7 | 94    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 50.700  | -1.4 | 89    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0  | 91    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 49.160  | 1.7  | 94    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 53.129  | -6.3 | 95    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 49.910  | 0.2  | 96    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 49.945  | 0.1  | 95    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 46.313  | 7.4  | 91    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 48.768  | 2.5  | 93    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 48.531  | 2.9  | 93    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 49.520  | 1.0  | 94    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 41.771  | 16.5 | 75    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 48.403  | 3.2  | 93    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 49.063  | 1.9  | 93    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 48.653  | 2.7  | 93    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 48.766  | 2.5  | 93    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 49.388  | 1.2  | 92    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 48.462  | 3.1  | 92    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 46.942  | 6.1  | 91    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 47.711  | 4.6  | 89    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 50.537  | -1.1 | 88    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 48.291  | 3.4  | 94    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 54.675  | -9.3 | 94    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 48.958  | 2.1  | 91    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 41.641  | 16.7 | 86    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 50.409  | -0.8 | 93    | 0.00     |

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Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 57 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
LabSampleId :  
VSTDCCC050

Quant Time: Apr 03 02:13:21 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 | 47.887 | 4.2  | 90    | 0.00     |

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