

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\ VX083023\  
 Data File : VX037376.D  
 Acq On : 30 Aug 2023 09:11  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Aug 31 07:46:25 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X081723W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 18 09:30:38 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   | 95    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 50.935  | -1.9  | 96    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 56.301  | -12.6 | 99    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 52.074  | -4.1# | 97    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 45.921  | 8.2   | 88    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 50.360  | -0.7  | 99    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 49.831  | 0.3   | 96    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 53.405  | -6.8  | 91    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 50.216  | -0.4  | 100   | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 46.174  | 7.7   | 79    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 235.847 | 5.7   | 84    | -0.01    |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 48.237  | 3.5#  | 92    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 149.528 | 40.2# | 54    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 50.799  | -1.6  | 88    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 273.106 | -9.2  | 94    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 290.672 | -16.3 | 105   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 44.766  | 10.5  | 86    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 50.846  | -1.7  | 88    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 51.717  | -3.4  | 89    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 51.001  | -2.0  | 97    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 48.474  | 3.1   | 88    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 51.649  | -3.3  | 90    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 261.409 | -4.6  | 88    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 50.616  | -1.2  | 90    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 267.164 | -6.9  | 92    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 50.348  | -0.7  | 93    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 51.269  | -2.5  | 91    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 52.466  | -4.9  | 91    | -0.01    |
| 29 T  | Tetrahydrofuran             | 250.000 | 252.339 | -0.9  | 87    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 50.273  | -0.5# | 89    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 50.059  | -0.1  | 102   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 47.963  | 4.1   | 88    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 49.299  | 1.4   | 86    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 91    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 52.771  | -5.5  | 93    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 47.574  | 4.9   | 91    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 50.309  | -0.6  | 87    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 48.610  | 2.8   | 91    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 56.600  | -13.2 | 120   | 0.00     |
| 40 TM | Benzene                     | 50.000  | 52.120  | -4.2  | 92    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 53.577  | -7.2  | 90    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 50.062  | -0.1  | 86    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 50.970  | -1.9  | 86    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 48.479  | 3.0   | 89    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 53.299  | -6.6# | 92    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 53.364  | -6.7  | 91    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 52.567  | -5.1  | 89    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 51.748  | -3.5  | 88    | 0.00     |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Aug 31 07:46:25 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X081723W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 18 09:30:38 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 | 1078.967 | -7.9  | 92    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 50.311   | -0.6  | 90    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 266.879  | -6.8  | 92    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 52.028   | -4.1# | 93    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 54.616   | -9.2  | 90    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 53.842   | -7.7  | 90    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 55.616   | -11.2 | 96    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 54.952   | -9.9  | 93    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 53.804   | -7.6  | 93    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 257.652  | -3.1  | 88    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 275.401  | -10.2 | 94    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 56.245   | -12.5 | 92    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 54.483   | -9.0  | 93    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 54.732   | -9.5  | 99    | 0.00     |
|       |                             |          |          |       |       |          |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0   | 94    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 43.357   | 13.3  | 85    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 50.967   | -1.9  | 95    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 53.186   | -6.4  | 95    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 50.218   | -0.4# | 95    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 103.605  | -3.6  | 98    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 52.269   | -4.5  | 97    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 54.272   | -8.5  | 98    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 56.895   | -13.8 | 94    | 0.00     |
|       |                             |          |          |       |       |          |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0   | 100   | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 49.452   | 1.1   | 103   | 0.00     |
| 74 T  | N-ethyl acetate             | 50.000   | 49.378   | 1.2   | 92    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 52.003   | -4.0  | 102   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 50.585   | -1.2  | 100   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 50.656   | -1.3  | 100   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 50.793   | -1.6  | 106   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 50.014   | -0.0  | 101   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 51.959   | -3.9  | 106   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 52.836   | -5.7  | 98    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 50.135   | -0.3  | 101   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 54.124   | -8.2  | 115   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 52.218   | -4.4  | 106   | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 56.407   | -12.8 | 121   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 55.968   | -11.9 | 119   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 51.592   | -3.2  | 104   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 50.367   | -0.7  | 102   | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 56.686   | -13.4 | 122   | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 59.361   | -18.7 | 119   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 52.761   | -5.5  | 103   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 50.807   | -1.6  | 91    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 55.309   | -10.6 | 113   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 58.468   | -16.9 | 132   | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 45.182   | 9.6   | 95    | 0.00     |

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Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
LabSampleId :  
VSTDCCC050

Quant Time: Aug 31 07:46:25 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X081723W.M  
Quant Title : SW846 8260  
QLast Update : Fri Aug 18 09:30:38 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 | 55.495 | -11.0 | 111   | 0.00     |

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