

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX070124\  
 Data File : VX042101.D  
 Acq On : 01 Jul 2024 09:57  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Jul 01 16:05:08 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X061824W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 21 23:51:58 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   | 89    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 58.465  | -16.9 | 107   | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 51.208  | -2.4  | 95    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 48.822  | 2.4#  | 90    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 61.314  | -22.6 | 111   | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 60.216  | -20.4 | 102   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 51.340  | -2.7  | 97    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 51.520  | -3.0  | 94    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 53.402  | -6.8  | 97    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 55.726  | -11.5 | 101   | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 262.966 | -5.2  | 92    | -0.01    |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 52.306  | -4.6# | 94    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 302.557 | -21.0 | 108   | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 55.319  | -10.6 | 98    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 261.402 | -4.6  | 91    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 260.638 | -4.3  | 102   | -0.01    |
| 17 T  | Carbon Disulfide            | 50.000  | 59.318  | -18.6 | 114   | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 45.137  | 9.7   | 76    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 56.769  | -13.5 | 99    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 49.965  | 0.1   | 98    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 53.952  | -7.9  | 98    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 53.114  | -6.2  | 93    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 290.282 | -16.1 | 99    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 53.070  | -6.1  | 94    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 261.524 | -4.6  | 91    | -0.01    |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 57.465  | -14.9 | 102   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 54.594  | -9.2  | 96    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 47.110  | 5.8   | 88    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 257.041 | -2.8  | 88    | -0.01    |
| 30 C  | Chloroform                  | 50.000  | 53.604  | -7.2# | 96    | -0.01    |
| 31 T  | Cyclohexane                 | 50.000  | 52.196  | -4.4  | 97    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 53.558  | -7.1  | 94    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 45.082  | 9.8   | 85    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 87    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 46.762  | 6.5   | 85    | -0.01    |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 53.215  | -6.4  | 96    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 55.526  | -11.1 | 93    | -0.01    |
| 38 T  | Carbon Tetrachloride        | 50.000  | 55.238  | -10.5 | 97    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 56.274  | -12.5 | 101   | 0.00     |
| 40 TM | Benzene                     | 50.000  | 53.579  | -7.2  | 95    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 55.720  | -11.4 | 93    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 55.151  | -10.3 | 96    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 53.955  | -7.9  | 92    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 54.275  | -8.5  | 95    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 54.971  | -9.9# | 95    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 57.086  | -14.2 | 98    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 57.789  | -15.6 | 98    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 56.621  | -13.2 | 93    | 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: Jul 01 16:05:08 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X061824W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 21 23:51:58 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 | 1053.180 | -5.3  | 98    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 44.213   | 11.6  | 80    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 265.423  | -6.2  | 88    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 54.518   | -9.0# | 94    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 56.825   | -13.7 | 102   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 60.779   | -21.6 | 100   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 56.140   | -12.3 | 95    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 58.217   | -16.4 | 94    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 55.806   | -11.6 | 95    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 265.149  | -6.1  | 85    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 269.371  | -7.7  | 88    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 61.251   | -22.5 | 100   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 57.782   | -15.6 | 99    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 48.465   | 3.1   | 84    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0   | 87    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 53.405   | -6.8  | 98    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 53.879   | -7.8  | 96    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 56.768   | -13.5 | 96    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 54.593   | -9.2# | 94    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 110.416  | -10.4 | 96    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 55.174   | -10.3 | 94    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 57.561   | -15.1 | 95    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 56.526   | -13.1 | 99    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0   | 91    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 52.010   | -4.0  | 94    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 52.267   | -4.5  | 92    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 50.070   | -0.1  | 92    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 50.501   | -1.0  | 95    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 52.888   | -5.8  | 96    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 52.648   | -5.3  | 93    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 51.058   | -2.1  | 94    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 53.221   | -6.4  | 95    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 57.901   | -15.8 | 101   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 53.547   | -7.1  | 95    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 51.948   | -3.9  | 93    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 54.090   | -8.2  | 95    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 52.927   | -5.9  | 93    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 54.559   | -9.1  | 95    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 53.465   | -6.9  | 96    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 52.778   | -5.6  | 98    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 55.100   | -10.2 | 96    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 54.078   | -8.2  | 96    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 53.434   | -6.9  | 97    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 54.122   | -8.2  | 93    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 57.046   | -14.1 | 100   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 53.140   | -6.3  | 98    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 51.669   | -3.3  | 94    | 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: Jul 01 16:05:08 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X061824W.M  
Quant Title : SW846 8260  
QLast Update : Fri Jun 21 23:51:58 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 | 55.640 | -11.3 | 98    | 0.00     |

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