

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX051321\  
 Data File : VX021980.D  
 Acq On : 13 May 2021 20:08  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 52 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: May 14 04:41:29 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X050721W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat May 08 05:38:18 2021  
 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   | 93    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 50.615  | -1.2  | 93    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 47.244  | 5.5   | 90    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 45.590  | 8.8#  | 87    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 46.692  | 6.6   | 94    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 54.660  | -9.3  | 98    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 44.731  | 10.5  | 85    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 47.255  | 5.5   | 94    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 49.980  | 0.0   | 98    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 38.690  | 22.6  | 68    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 222.607 | 11.0  | 87    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 47.789  | 4.4#  | 94    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 187.062 | 25.2# | 75    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 47.111  | 5.8   | 91    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 235.423 | 5.8   | 89    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 235.065 | 6.0   | 92    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 47.725  | 4.5   | 92    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 48.130  | 3.7   | 93    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 51.220  | -2.4  | 97    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 50.376  | -0.8  | 97    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 49.286  | 1.4   | 93    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 48.144  | 3.7   | 92    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 240.658 | 3.7   | 89    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 50.419  | -0.8  | 97    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 237.431 | 5.0   | 89    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 44.286  | 11.4  | 86    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 49.751  | 0.5   | 95    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 50.175  | -0.3  | 94    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 227.732 | 8.9   | 85    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 49.930  | 0.1#  | 96    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 49.038  | 1.9   | 94    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 50.896  | -1.8  | 99    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 48.911  | 2.2   | 93    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 95    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 47.569  | 4.9   | 94    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 47.863  | 4.3   | 96    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 45.822  | 8.4   | 89    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 49.122  | 1.8   | 95    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 46.605  | 6.8   | 91    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 49.187  | 1.6   | 95    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 46.257  | 7.5   | 91    | -0.01    |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 49.807  | 0.4   | 96    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 46.516  | 7.0   | 91    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 49.555  | 0.9   | 95    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 48.437  | 3.1#  | 94    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 48.725  | 2.5   | 97    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 50.027  | -0.1  | 97    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 47.372  | 5.3   | 91    | 0.00     |

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 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 52 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: May 14 04:41:29 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X050721W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat May 08 05:38:18 2021  
 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 | 925.331 | 7.5  | 91    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 46.675  | 6.7  | 91    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 225.562 | 9.8  | 86    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 48.293  | 3.4# | 93    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 47.456  | 5.1  | 92    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 48.312  | 3.4  | 92    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 49.238  | 1.5  | 95    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 46.931  | 6.1  | 93    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 50.338  | -0.7 | 96    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 238.103 | 4.8  | 90    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 217.444 | 13.0 | 82    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 47.419  | 5.2  | 93    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 49.029  | 1.9  | 94    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 45.495  | 9.0  | 89    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0  | 94    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 53.109  | -6.2 | 104   | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 48.995  | 2.0  | 93    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 48.802  | 2.4  | 95    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 48.401  | 3.2# | 92    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 95.653  | 4.3  | 90    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 47.280  | 5.4  | 92    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 47.674  | 4.7  | 87    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 46.476  | 7.0  | 87    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0  | 86    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 51.236  | -2.5 | 90    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 47.055  | 5.9  | 83    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 47.810  | 4.4  | 87    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 49.250  | 1.5  | 85    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 51.953  | -3.9 | 91    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 50.489  | -1.0 | 88    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 49.537  | 0.9  | 88    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 49.965  | 0.1  | 86    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 45.764  | 8.5  | 79    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 49.613  | 0.8  | 86    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 49.541  | 0.9  | 87    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 50.520  | -1.0 | 87    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 51.228  | -2.5 | 88    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 51.035  | -2.1 | 87    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 51.926  | -3.9 | 91    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 49.506  | 1.0  | 87    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 49.891  | 0.2  | 83    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 48.802  | 2.4  | 86    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 50.654  | -1.3 | 87    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 48.536  | 2.9  | 85    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 53.020  | -6.0 | 94    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 50.094  | -0.2 | 87    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 52.387  | -4.8 | 89    | 0.00     |

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ALS Vial : 52 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
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Quant Time: May 14 04:41:29 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X050721W.M  
Quant Title : SW846 8260  
QLast Update : Sat May 08 05:38:18 2021  
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 | 51.487 | -3.0 | 90    | 0.00     |

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