

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\ VX101320\  
 Data File : VX018931.D  
 Acq On : 13 Oct 2020 16:22  
 Operator : JC/SP  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Oct 14 02:38:39 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X100920W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Oct 10 06:09:09 2020  
 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   | 127   | -0.01    |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 46.308  | 7.4   | 117   | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 48.242  | 3.5   | 126   | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 48.384  | 3.2#  | 126   | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 56.683  | -13.4 | 152   | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 46.295  | 7.4   | 126   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 43.846  | 12.3  | 114   | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 47.685  | 4.6   | 123   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 44.409  | 11.2  | 118   | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 46.779  | 6.4   | 123   | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 216.462 | 13.4  | 112   | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 45.822  | 8.4#  | 119   | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 231.553 | 7.4   | 126   | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 46.140  | 7.7   | 122   | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 234.467 | 6.2   | 121   | 0.00     |
| 16 T  | Acetone                     | 250.000 | 215.584 | 13.8  | 107   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 46.114  | 7.8   | 121   | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 45.884  | 8.2   | 126   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 47.316  | 5.4   | 120   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 48.009  | 4.0   | 125   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 47.012  | 6.0   | 125   | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 46.906  | 6.2   | 122   | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 236.954 | 5.2   | 117   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 44.604  | 10.8  | 122   | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 221.401 | 11.4  | 113   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 44.300  | 11.4  | 119   | -0.01    |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 46.567  | 6.9   | 124   | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 45.210  | 9.6   | 123   | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 226.916 | 9.2   | 116   | -0.01    |
| 30 C  | Chloroform                  | 50.000  | 43.799  | 12.4# | 119   | -0.01    |
| 31 T  | Cyclohexane                 | 50.000  | 48.282  | 3.4   | 124   | -0.01    |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 44.101  | 11.8  | 119   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 41.598  | 16.8  | 113   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 121   | -0.01    |
| 35 S  | Dibromofluoromethane        | 50.000  | 46.347  | 7.3   | 117   | -0.01    |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 48.005  | 4.0   | 123   | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 48.536  | 2.9   | 116   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 46.740  | 6.5   | 115   | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 50.567  | -1.1  | 124   | 0.00     |
| 40 TM | Benzene                     | 50.000  | 49.154  | 1.7   | 123   | -0.01    |
| 41 T  | Methacrylonitrile           | 50.000  | 45.774  | 8.5   | 116   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 44.193  | 11.6  | 115   | -0.01    |
| 43 T  | Isopropyl Acetate           | 50.000  | 45.457  | 9.1   | 112   | -0.01    |
| 44 TM | Trichloroethene             | 50.000  | 47.543  | 4.9   | 122   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 47.866  | 4.3#  | 122   | 0.00     |

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 Quant Title : SW846 8260  
 QLast Update : Sat Oct 10 06:09:09 2020  
 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) |
|-------|-----------------------------|----------|---------|------|-------|----------|
| 46 T  | Dibromomethane              | 50.000   | 46.878  | 6.2  | 119   | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000   | 46.624  | 6.8  | 117   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000   | 47.108  | 5.8  | 114   | 0.00     |
| 49 T  | 1,4-Dioxane                 | 1000.000 | 944.913 | 5.5  | 120   | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 48.355  | 3.3  | 120   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 241.823 | 3.3  | 111   | 0.00     |
| 52 CM | Toluene                     | 50.000   | 49.965  | 0.1# | 122   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 49.145  | 1.7  | 119   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 49.894  | 0.2  | 123   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 47.592  | 4.8  | 120   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 46.114  | 7.8  | 117   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 49.332  | 1.3  | 121   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 256.999 | -2.8 | 120   | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 244.378 | 2.2  | 111   | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 47.890  | 4.2  | 121   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 48.544  | 2.9  | 120   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 48.536  | 2.9  | 118   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0  | 124   | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 54.927  | -9.9 | 134   | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 47.988  | 4.0  | 122   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 47.555  | 4.9  | 123   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 49.560  | 0.9# | 118   | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 102.546 | -2.5 | 122   | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 49.322  | 1.4  | 118   | 0.00     |
| 70 T  | Styrene                     | 50.000   | 52.418  | -4.8 | 120   | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 49.277  | 1.4  | 123   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0  | 128   | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 49.202  | 1.6  | 120   | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 47.337  | 5.3  | 112   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 43.958  | 12.1 | 118   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 44.922  | 10.2 | 120   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 46.634  | 6.7  | 118   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 48.606  | 2.8  | 120   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 46.640  | 6.7  | 117   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 49.272  | 1.5  | 119   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 45.619  | 8.8  | 117   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 48.526  | 2.9  | 121   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 47.033  | 5.9  | 116   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 49.137  | 1.7  | 120   | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 48.691  | 2.6  | 119   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 49.818  | 0.4  | 119   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 45.612  | 8.8  | 118   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 46.603  | 6.8  | 124   | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 49.278  | 1.4  | 121   | 0.00     |

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Quant Title : SW846 8260  
QLast Update : Sat Oct 10 06:09:09 2020  
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) |
|------|-----------------------------|--------|--------|-------|-------|----------|
| 90 T | Hexachloroethane            | 50.000 | 44.694 | 10.6  | 117   | 0.00     |
| 91 T | 1,2-Dichlorobenzene         | 50.000 | 46.418 | 7.2   | 120   | 0.00     |
| 92 T | 1,2-Dibromo-3-Chloropropane | 50.000 | 40.518 | 19.0  | 105   | 0.00     |
| 93 T | 1,2,4-Trichlorobenzene      | 50.000 | 51.857 | -3.7  | 134   | 0.00     |
| 94 T | Hexachlorobutadiene         | 50.000 | 57.197 | -14.4 | 154   | 0.00     |
| 95 T | Naphthalene                 | 50.000 | 43.618 | 12.8  | 113   | 0.00     |
| 96 T | 1,2,3-Trichlorobenzene      | 50.000 | 52.618 | -5.2  | 132   | 0.00     |

(#) = Out of Range

SPCC's out = 0 CCC's out = 6