

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\WX122820\  
 Data File : VX020421.D  
 Acq On : 28 Dec 2020 18:31  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Dec 29 00:42:45 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X121820W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Dec 18 13:09:49 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   | 109   | 0.01     |
| 2 T   | Dichlorodifluoromethane     | 50.000   | 44.118   | 11.8  | 103   | 0.00     |
| 3 P   | Chloromethane               | 50.000   | 45.271   | 9.5   | 100   | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000   | 44.412   | 11.2# | 104   | 0.00     |
| 5 T   | Bromomethane                | 50.000   | 31.268   | 37.5# | 72    | 0.00     |
| 6 T   | Chloroethane                | 50.000   | 47.139   | 5.7   | 102   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000   | 44.599   | 10.8  | 106   | 0.00     |
| 8 T   | Diethyl Ether               | 50.000   | 44.857   | 10.3  | 91    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000   | 47.197   | 5.6   | 113   | 0.00     |
| 10 T  | Methyl Iodide               | 50.000   | 34.386   | 31.2# | 74    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000  | 255.633  | -2.3  | 116   | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000   | 47.681   | 4.6#  | 112   | 0.00     |
| 13 T  | Acrolein                    | 250.000  | 210.121  | 16.0  | 91    | 0.00     |
| 14 T  | Allyl chloride              | 50.000   | 49.609   | 0.8   | 107   | 0.00     |
| 15 T  | Acrylonitrile               | 250.000  | 265.180  | -6.1  | 108   | 0.00     |
| 16 T  | Acetone                     | 250.000  | 227.501  | 9.0   | 99    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000   | 43.769   | 12.5  | 103   | 0.00     |
| 18 T  | Methyl Acetate              | 50.000   | 55.505   | -11.0 | 115   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000   | 49.265   | 1.5   | 99    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000   | 44.807   | 10.4  | 96    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000   | 44.867   | 10.3  | 99    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000   | 50.151   | -0.3  | 101   | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000  | 253.858  | -1.5  | 99    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000   | 48.413   | 3.2   | 103   | 0.00     |
| 25 T  | 2-Butanone                  | 250.000  | 262.537  | -5.0  | 108   | 0.01     |
| 26 T  | 2,2-Dichloropropane         | 50.000   | 45.207   | 9.6   | 100   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000   | 47.323   | 5.4   | 99    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000   | 46.928   | 6.1   | 99    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000  | 269.853  | -7.9  | 109   | 0.00     |
| 30 C  | Chloroform                  | 50.000   | 47.120   | 5.8#  | 98    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000   | 48.824   | 2.4   | 115   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000   | 48.022   | 4.0   | 107   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000   | 46.018   | 8.0   | 96    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000   | 50.000   | 0.0   | 103   | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000   | 49.406   | 1.2   | 101   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000   | 47.577   | 4.8   | 108   | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000   | 52.800   | -5.6  | 106   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000   | 48.818   | 2.4   | 108   | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000   | 48.217   | 3.6   | 113   | 0.00     |
| 40 TM | Benzene                     | 50.000   | 48.442   | 3.1   | 100   | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000   | 54.492   | -9.0  | 105   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000   | 46.823   | 6.4   | 93    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000   | 52.799   | -5.6  | 104   | 0.00     |
| 44 TM | Trichloroethene             | 50.000   | 46.519   | 7.0   | 101   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000   | 50.095   | -0.2# | 101   | 0.00     |
| 46 T  | Dibromomethane              | 50.000   | 46.830   | 6.3   | 94    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000   | 49.629   | 0.7   | 98    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000   | 52.933   | -5.9  | 102   | 0.00     |
| 49 T  | 1,4-Dioxane                 | 1000.000 | 1095.622 | -9.6  | 108   | 0.00     |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Dec 29 00:42:45 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X121820W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Dec 18 13:09:49 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) |
|-------|-----------------------------|---------|---------|-------|-------|----------|
| 50 S  | Toluene-d8                  | 50.000  | 48.762  | 2.5   | 102   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000 | 274.456 | -9.8  | 107   | 0.00     |
| 52 CM | Toluene                     | 50.000  | 48.866  | 2.3#  | 100   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000  | 50.552  | -1.1  | 98    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000  | 50.270  | -0.5  | 97    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000  | 48.534  | 2.9   | 96    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000  | 54.146  | -8.3  | 102   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000  | 49.274  | 1.5   | 97    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000 | 240.513 | 3.8   | 94    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000 | 275.327 | -10.1 | 107   | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000  | 50.355  | -0.7  | 98    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000  | 48.550  | 2.9   | 96    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000  | 50.447  | -0.9  | 105   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000  | 50.000  | 0.0   | 99    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000  | 47.430  | 5.1   | 106   | 0.00     |
| 65 PM | Chlorobenzene               | 50.000  | 47.980  | 4.0   | 98    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000  | 49.822  | 0.4   | 99    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000  | 49.634  | 0.7#  | 102   | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000 | 99.377  | 0.6   | 100   | 0.00     |
| 69 T  | o-Xylene                    | 50.000  | 50.084  | -0.2  | 99    | 0.00     |
| 70 T  | Styrene                     | 50.000  | 51.218  | -2.4  | 98    | 0.00     |
| 71 P  | Bromoform                   | 50.000  | 53.230  | -6.5  | 105   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000  | 50.000  | 0.0   | 101   | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000  | 50.209  | -0.4  | 105   | 0.00     |
| 74 T  | N-aryl acetate              | 50.000  | 53.874  | -7.7  | 103   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000  | 50.343  | -0.7  | 102   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000  | 49.570  | 0.9   | 101   | 0.00     |
| 77 T  | Bromobenzene                | 50.000  | 48.466  | 3.1   | 102   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000  | 50.015  | -0.0  | 105   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000  | 49.095  | 1.8   | 101   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000  | 51.023  | -2.0  | 104   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000  | 50.598  | -1.2  | 98    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000  | 48.391  | 3.2   | 99    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000  | 51.265  | -2.5  | 108   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000  | 49.967  | 0.1   | 99    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000  | 51.304  | -2.6  | 111   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000  | 51.661  | -3.3  | 108   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000  | 48.110  | 3.8   | 99    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000  | 46.652  | 6.7   | 99    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000  | 51.156  | -2.3  | 109   | 0.00     |
| 90 T  | Hexachloroethane            | 50.000  | 48.601  | 2.8   | 105   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000  | 48.516  | 3.0   | 100   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000  | 52.210  | -4.4  | 102   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000  | 50.368  | -0.7  | 105   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000  | 54.606  | -9.2  | 133   | 0.00     |
| 95 T  | Naphthalene                 | 50.000  | 54.682  | -9.4  | 105   | 0.00     |
| 96 T  | 1,2,3-Trichlorobenzene      | 50.000  | 50.499  | -1.0  | 105   | 0.00     |

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Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
LabSampleId :  
VSTDCCC050

Quant Time: Dec 29 00:42:45 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X121820W.M  
Quant Title : SW846 8260  
QLast Update : Fri Dec 18 13:09:49 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) |
|----------|--------|-------|------|-------|----------|
|----------|--------|-------|------|-------|----------|

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