

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX042022\  
 Data File : VX028187.D  
 Acq On : 20 Apr 2022 10:40  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Apr 20 15:16:41 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X041922W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 19 13:38:04 2022  
 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   | 111   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 43.807  | 12.4  | 109   | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 51.857  | -3.7  | 115   | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 42.859  | 14.3# | 106   | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 46.610  | 6.8   | 96    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 43.623  | 12.8  | 99    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 40.498  | 19.0  | 100   | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 46.484  | 7.0   | 103   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 54.760  | -9.5  | 150   | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 52.105  | -4.2  | 130   | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 219.519 | 12.2  | 105   | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 53.239  | -6.5# | 145   | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 216.810 | 13.3  | 88    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 45.588  | 8.8   | 110   | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 224.789 | 10.1  | 103   | 0.00     |
| 16 T  | Acetone                     | 250.000 | 251.007 | -0.4  | 121   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 48.918  | 2.2   | 121   | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 44.240  | 11.5  | 110   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 47.378  | 5.2   | 106   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 49.602  | 0.8   | 126   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 46.246  | 7.5   | 107   | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 43.852  | 12.3  | 101   | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 222.496 | 11.0  | 100   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 45.819  | 8.4   | 112   | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 207.542 | 17.0  | 96    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 44.254  | 11.5  | 103   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 46.197  | 7.6   | 108   | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 42.810  | 14.4  | 96    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 204.564 | 18.2  | 95    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 44.296  | 11.4# | 102   | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 43.038  | 13.9  | 99    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 45.222  | 9.6   | 103   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 41.773  | 16.5  | 96    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 106   | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 45.713  | 8.6   | 101   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 45.555  | 8.9   | 102   | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 43.412  | 13.2  | 96    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 48.025  | 4.0   | 104   | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 46.537  | 6.9   | 103   | 0.00     |
| 40 TM | Benzene                     | 50.000  | 46.346  | 7.3   | 101   | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 43.658  | 12.7  | 97    | -0.01    |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 44.848  | 10.3  | 99    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 43.500  | 13.0  | 98    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 49.464  | 1.1   | 110   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 44.994  | 10.0# | 101   | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 47.879  | 4.2   | 107   | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 46.806  | 6.4   | 101   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 44.327  | 11.3  | 99    | 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

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 Quant Title : SW846 8260  
 QLast Update : Tue Apr 19 13:38:04 2022  
 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 | 871.842 | 12.8 | 94    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 43.993  | 12.0 | 96    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 216.512 | 13.4 | 96    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 46.215  | 7.6# | 100   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 48.165  | 3.7  | 101   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 46.823  | 6.4  | 101   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 47.423  | 5.2  | 105   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 47.289  | 5.4  | 101   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 46.047  | 7.9  | 102   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 241.152 | 3.5  | 99    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 217.568 | 13.0 | 95    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 49.265  | 1.5  | 103   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 47.872  | 4.3  | 102   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 43.870  | 12.3 | 94    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0  | 102   | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 50.869  | -1.7 | 111   | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 47.910  | 4.2  | 101   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 50.404  | -0.8 | 106   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 49.002  | 2.0# | 100   | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 99.992  | 0.0  | 101   | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 48.882  | 2.2  | 100   | 0.00     |
| 70 T  | Styrene                     | 50.000   | 50.584  | -1.2 | 101   | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 44.736  | 10.5 | 104   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0  | 102   | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 46.187  | 7.6  | 101   | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 44.850  | 10.3 | 97    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 45.000  | 10.0 | 100   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 46.573  | 6.9  | 100   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 46.481  | 7.0  | 103   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 47.335  | 5.3  | 100   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 45.011  | 10.0 | 98    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 47.925  | 4.2  | 101   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 46.083  | 7.8  | 96    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 46.686  | 6.6  | 100   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 47.584  | 4.8  | 102   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 48.024  | 4.0  | 100   | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 48.209  | 3.6  | 102   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 49.121  | 1.8  | 101   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 49.572  | 0.9  | 105   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 47.764  | 4.5  | 104   | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 48.675  | 2.7  | 101   | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 45.919  | 8.2  | 102   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 49.340  | 1.3  | 105   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 44.951  | 10.1 | 97    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 51.265  | -2.5 | 111   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 47.911  | 4.2  | 108   | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 50.445  | -0.9 | 104   | 0.00     |

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

Instrument :  
MSVOA\_X  
LabSampleId :  
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Quant Time: Apr 20 15:16:41 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X041922W.M  
Quant Title : SW846 8260  
QLast Update : Tue Apr 19 13:38:04 2022  
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 | 51.023 | -2.0 | 109   | 0.00     |

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