

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\WX033022\  
 Data File : VX027834.D  
 Acq On : 31 Mar 2022 05:54  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 38 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Mar 31 07:33:23 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X032922W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 30 04:39:27 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    | 78    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 42.594  | 14.8   | 58    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 54.613  | -9.2   | 82    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 50.030  | -0.1#  | 73    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 52.145  | -4.3   | 85    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 49.786  | 0.4    | 79    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 44.387  | 11.2   | 66    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 63.945  | -27.9# | 95    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 42.707  | 14.6   | 65    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 58.759  | -17.5  | 86    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 328.336 | -31.3# | 96    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 46.355  | 7.3#   | 74    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 337.553 | -35.0# | 100   | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 56.482  | -13.0  | 87    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 328.413 | -31.4# | 95    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 316.547 | -26.6# | 96    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 45.092  | 9.8    | 74    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 62.380  | -24.8  | 95    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 65.097  | -30.2# | 96    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 59.034  | -18.1  | 92    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 53.115  | -6.2   | 84    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 62.313  | -24.6  | 103   | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 316.445 | -26.6# | 103   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 56.711  | -13.4  | 93    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 322.764 | -29.1# | 106   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 41.552  | 16.9   | 67    | -0.01    |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 58.627  | -17.3  | 89    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 62.534  | -25.1# | 103   | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 328.687 | -31.5# | 108   | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 62.309  | -24.6# | 99    | -0.01    |
| 31 T  | Cyclohexane                 | 50.000  | 41.656  | 16.7   | 66    | -0.01    |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 54.705  | -9.4   | 86    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 62.583  | -25.2# | 96    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0    | 90    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 50.826  | -1.7   | 93    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 44.021  | 12.0   | 78    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 56.255  | -12.5  | 109   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 46.864  | 6.3    | 80    | -0.01    |
| 39 T  | Methylcyclohexane           | 50.000  | 33.997  | 32.0#  | 60    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 48.953  | 2.1    | 83    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 57.442  | -14.9  | 104   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 49.147  | 1.7    | 79    | -0.01    |
| 43 T  | Isopropyl Acetate           | 50.000  | 49.780  | 0.4    | 77    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 48.737  | 2.5    | 86    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 52.857  | -5.7#  | 89    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 53.548  | -7.1   | 91    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 54.845  | -9.7   | 93    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 56.803  | -13.6  | 92    | 0.00     |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 38 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Mar 31 07:33:23 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X032922W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 30 04:39:27 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 | 1144.015 | -14.4 | 94    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 43.949   | 12.1  | 79    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 275.475  | -10.2 | 90    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 47.564   | 4.9#  | 81    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 51.904   | -3.8  | 86    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 51.846   | -3.7  | 86    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 52.924   | -5.8  | 91    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 54.653   | -9.3  | 89    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 52.730   | -5.5  | 89    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 286.766  | -14.7 | 93    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 274.730  | -9.9  | 89    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 53.820   | -7.6  | 90    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 52.328   | -4.7  | 89    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 44.601   | 10.8  | 79    | 0.00     |
|       |                             |          |          |       |       |          |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0   | 83    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 45.338   | 9.3   | 74    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 49.980   | 0.0   | 82    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 54.052   | -8.1  | 86    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 47.879   | 4.2#  | 76    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 92.463   | 7.5   | 74    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 49.706   | 0.6   | 78    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 51.435   | -2.9  | 81    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 54.580   | -9.2  | 93    | 0.00     |
|       |                             |          |          |       |       |          |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0   | 82    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 45.973   | 8.1   | 73    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 58.254   | -16.5 | 87    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 57.484   | -15.0 | 90    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 58.536   | -17.1 | 89    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 51.822   | -3.6  | 81    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 44.726   | 10.5  | 72    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 47.510   | 5.0   | 78    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 46.226   | 7.5   | 74    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 49.231   | 1.5   | 80    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 48.429   | 3.1   | 77    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 45.636   | 8.7   | 74    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 48.145   | 3.7   | 76    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 43.567   | 12.9  | 68    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 44.988   | 10.0  | 70    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 48.575   | 2.8   | 79    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 47.992   | 4.0   | 80    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 43.941   | 12.1  | 68    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 46.866   | 6.3   | 75    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 50.033   | -0.1  | 82    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 57.449   | -14.9 | 87    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 48.629   | 2.7   | 80    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 41.369   | 17.3  | 66    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 54.499   | -9.0  | 85    | 0.00     |

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Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 38 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
LabSampleId :  
VSTDCCC050

Quant Time: Mar 31 07:33:23 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X032922W.M  
Quant Title : SW846 8260  
QLast Update : Wed Mar 30 04:39:27 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 | 51.103 | -2.2 | 80    | 0.00     |

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