

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX030823\  
 Data File : VX034395.D  
 Acq On : 08 Mar 2023 19:51  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Mar 09 11:01:42 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021723W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Feb 17 12:33:35 2023  
 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    | 46    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 53.879  | -7.8   | 48    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 56.750  | -13.5  | 51    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 62.641  | -25.3# | 56    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 86.716  | -73.4# | 67    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 76.953  | -53.9# | 66    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 70.007  | -40.0# | 64    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 71.068  | -42.1# | 68    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 53.757  | -7.5   | 49    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 61.844  | -23.7  | 54    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 327.519 | -31.0# | 63    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 54.859  | -9.7#  | 50    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 357.993 | -43.2# | 70    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 54.393  | -8.8   | 49    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 316.195 | -26.5# | 57    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 248.688 | 0.5    | 47    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 47.644  | 4.7    | 43    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 65.829  | -31.7# | 58    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 63.089  | -26.2# | 57    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 59.454  | -18.9  | 57    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 59.832  | -19.7  | 54    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 66.363  | -32.7# | 60    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 316.633 | -26.7# | 57    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 60.924  | -21.8  | 55    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 299.361 | -19.7  | 55    | 0.01     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 52.777  | -5.6   | 49    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 62.984  | -26.0# | 57    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 51.205  | -2.4   | 48    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 321.761 | -28.7# | 59    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 65.124  | -30.2# | 59    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 53.437  | -6.9   | 47    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 60.536  | -21.1  | 55    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 51.914  | -3.8   | 50    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0    | 49    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 50.384  | -0.8   | 51    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 55.858  | -11.7  | 53    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 62.215  | -24.4  | 58    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 54.763  | -9.5   | 53    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 47.262  | 5.5    | 44    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 59.921  | -19.8  | 58    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 62.822  | -25.6# | 58    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 63.948  | -27.9# | 61    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 60.835  | -21.7  | 58    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 58.806  | -17.6  | 56    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 61.011  | -22.0# | 58    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 62.256  | -24.5  | 60    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 59.706  | -19.4  | 57    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 61.351  | -22.7  | 58    | 0.00     |

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 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Mar 09 11:01:42 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021723W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Feb 17 12:33:35 2023  
 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 | 1311.404 | -31.1# | 65    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 49.735   | 0.5    | 50    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 336.563  | -34.6# | 64    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 62.735   | -25.5# | 61    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 59.612   | -19.2  | 56    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 58.532   | -17.1  | 55    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 65.555   | -31.1# | 63    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 63.566   | -27.1# | 60    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 65.512   | -31.0# | 62    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 313.283  | -25.3# | 61    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 335.595  | -34.2# | 65    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 62.664   | -25.3# | 60    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 65.128   | -30.3# | 63    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 54.389   | -8.8   | 55    | 0.00     |
|       |                             |          |          |        |       |          |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0    | 53    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 54.349   | -8.7   | 56    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 60.622   | -21.2  | 63    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 60.448   | -20.9  | 63    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 60.290   | -20.6# | 61    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 119.885  | -19.9  | 62    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 61.630   | -23.3  | 64    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 63.247   | -26.5# | 64    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 58.138   | -16.3  | 60    | 0.00     |
|       |                             |          |          |        |       |          |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0    | 57    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 56.432   | -12.9  | 63    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 58.393   | -16.8  | 67    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 58.786   | -17.6  | 68    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 68.773   | -37.5# | 79    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 58.743   | -17.5  | 67    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 56.125   | -12.3  | 62    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 57.379   | -14.8  | 65    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 56.673   | -13.3  | 64    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 49.417   | 1.2    | 56    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 58.017   | -16.0  | 66    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 54.501   | -9.0   | 61    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 57.307   | -14.6  | 65    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 53.417   | -6.8   | 59    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 54.003   | -8.0   | 59    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 57.205   | -14.4  | 64    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 58.024   | -16.0  | 66    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 52.044   | -4.1   | 57    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 49.040   | 1.9    | 55    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 58.583   | -17.2  | 66    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 54.275   | -8.5   | 61    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 53.694   | -7.4   | 58    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 45.084   | 9.8    | 50    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 56.732   | -13.5  | 64    | 0.00     |

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Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
LabSampleId :  
VSTDCCC050

Quant Time: Mar 09 11:01:42 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021723W.M  
Quant Title : SW846 8260  
QLast Update : Fri Feb 17 12:33:35 2023  
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 | 54.624 | -9.2 | 61    | 0.00     |

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