

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\U052722\  
 Data File : U048707.D  
 Acq On : 27 May 2022 20:33  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 LabSampleId :  
 VSTDCCC050

Quant Time: May 28 00:26:04 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U052622W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri May 27 06:42:31 2022  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 20% Max. Rel. Area : 150%

|       | Compound                    | Amount  | Calc.   | %Dev  | Area% | Dev(min) |
|-------|-----------------------------|---------|---------|-------|-------|----------|
| 1 I   | Pentafluorobenzene          | 50.000  | 50.000  | 0.0   | 120   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 43.793  | 12.4  | 114   | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 40.341  | 19.3  | 107   | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 44.905  | 10.2# | 113   | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 42.575  | 14.8  | 102   | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 49.261  | 1.5   | 115   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 43.623  | 12.8  | 110   | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 46.396  | 7.2   | 116   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 44.046  | 11.9  | 115   | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 43.695  | 12.6  | 102   | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 250.653 | -0.3  | 138   | -0.02    |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 46.976  | 6.0#  | 120   | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 148.718 | 40.5# | 75    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 45.921  | 8.2   | 120   | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 254.856 | -1.9  | 127   | 0.00     |
| 16 T  | Acetone                     | 250.000 | 228.503 | 8.6   | 123   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 42.529  | 14.9  | 114   | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 52.558  | -5.1  | 137   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 49.060  | 1.9   | 121   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 45.149  | 9.7   | 119   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 45.856  | 8.3   | 119   | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 50.171  | -0.3  | 120   | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 257.492 | -3.0  | 121   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 46.123  | 7.8   | 116   | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 260.640 | -4.3  | 129   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 38.494  | 23.0# | 99    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 48.172  | 3.7   | 124   | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 50.755  | -1.5  | 120   | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 262.811 | -5.1  | 128   | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 46.881  | 6.2#  | 117   | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 46.968  | 6.1   | 120   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 46.274  | 7.5   | 117   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 47.017  | 6.0   | 112   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 123   | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 49.829  | 0.3   | 122   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 44.528  | 10.9  | 116   | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 47.824  | 4.4   | 123   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 42.843  | 14.3  | 111   | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 46.965  | 6.1   | 120   | 0.00     |
| 40 TM | Benzene                     | 50.000  | 45.228  | 9.5   | 119   | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 50.319  | -0.6  | 123   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 44.157  | 11.7  | 114   | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 49.629  | 0.7   | 126   | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 44.766  | 10.5  | 116   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 48.739  | 2.5#  | 117   | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 45.200  | 9.6   | 113   | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 44.688  | 10.6  | 117   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 50.712  | -1.4  | 124   | 0.00     |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 LabSampleId :  
 VSTDCCC050

Quant Time: May 28 00:26:04 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U052622W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri May 27 06:42:31 2022  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 20% Max. Rel. Area : 150%

|       | Compound                    | Amount   | Calc.    | %Dev   | Area% | Dev(min) |
|-------|-----------------------------|----------|----------|--------|-------|----------|
| ----- |                             |          |          |        |       |          |
| 49 T  | 1,4-Dioxane                 | 1000.000 | 1023.067 | -2.3   | 133   | -0.01    |
| 50 S  | Toluene-d8                  | 50.000   | 48.351   | 3.3    | 119   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 258.031  | -3.2   | 125   | 0.00     |
| 52 CM | Toluene                     | 50.000   | 47.259   | 5.5#   | 117   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 46.404   | 7.2    | 118   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 46.846   | 6.3    | 116   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 45.473   | 9.1    | 119   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 48.101   | 3.8    | 129   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 46.206   | 7.6    | 119   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 200.349  | 19.9   | 122   | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 253.152  | -1.3   | 129   | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 46.024   | 8.0    | 117   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 44.933   | 10.1   | 118   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 50.808   | -1.6   | 123   | 0.00     |
|       |                             |          |          |        |       |          |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0    | 119   | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 46.714   | 6.6    | 110   | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 49.336   | 1.3    | 121   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 49.486   | 1.0    | 119   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 54.842   | -9.7#  | 129   | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 105.964  | -6.0   | 121   | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 51.406   | -2.8   | 121   | 0.00     |
| 70 T  | Styrene                     | 50.000   | 53.213   | -6.4   | 120   | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 50.461   | -0.9   | 119   | 0.00     |
|       |                             |          |          |        |       |          |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0    | 118   | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 53.114   | -6.2   | 121   | 0.00     |
| 74 T  | N-ethyl acetate             | 50.000   | 49.760   | 0.5    | 128   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 50.946   | -1.9   | 126   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 49.390   | 1.2    | 123   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 49.983   | 0.0    | 122   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 53.627   | -7.3   | 122   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 51.610   | -3.2   | 122   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 53.779   | -7.6   | 122   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 47.752   | 4.5    | 114   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 52.121   | -4.2   | 120   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 54.534   | -9.1   | 125   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 55.075   | -10.2  | 134   | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 54.043   | -8.1   | 122   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 54.243   | -8.5   | 122   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 49.167   | 1.7    | 121   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 48.581   | 2.8    | 122   | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 48.814   | 2.4    | 123   | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 46.831   | 6.3    | 120   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 49.057   | 1.9    | 122   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 53.296   | -6.6   | 130   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 50.804   | -1.6   | 121   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 43.254   | 13.5   | 114   | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 66.667   | -33.3# | 172   | 0.00     |

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Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
LabSampleId :  
VSTDCCC050

Quant Time: May 28 00:26:04 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U052622W.M  
Quant Title : SW846 8260  
QLast Update : Fri May 27 06:42:31 2022  
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
Max. RRF Dev : 20% Max. Rel. Area : 150%

|      | Compound               | Amount | Calc.  | %Dev | Area% | Dev(min) |
|------|------------------------|--------|--------|------|-------|----------|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 50.949 | -1.9 | 120   | 0.00     |

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