

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\U092821\  
 Data File : U044956.D  
 Acq On : 28 Sep 2021 21:02  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 LabSampleId :  
 VSTDCCC050

Quant Time: Sep 29 05:48:15 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U092821W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 28 12:32:13 2021  
 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    | 106   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 46.436  | 7.1    | 92    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 42.738  | 14.5   | 92    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 48.310  | 3.4#   | 97    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 80.850  | -61.7# | 170   | 0.02     |
| 6 T   | Chloroethane                | 50.000  | 39.717  | 20.6#  | 87    | 0.03     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 46.749  | 6.5    | 94    | 0.02     |
| 8 T   | Diethyl Ether               | 50.000  | 46.420  | 7.2    | 94    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 45.294  | 9.4    | 91    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 43.877  | 12.2   | 83    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 153.699 | 38.5#  | 63    | -0.05    |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 47.557  | 4.9#   | 95    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 214.323 | 14.3   | 94    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 44.546  | 10.9   | 89    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 217.167 | 13.1   | 87    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 173.651 | 30.5#  | 70    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 46.059  | 7.9    | 95    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 43.148  | 13.7   | 87    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 46.461  | 7.1    | 92    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 44.976  | 10.0   | 94    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 47.028  | 5.9    | 96    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 45.621  | 8.8    | 91    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 235.991 | 5.6    | 93    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 47.229  | 5.5    | 96    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 200.402 | 19.8   | 79    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 39.849  | 20.3#  | 80    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 47.037  | 5.9    | 95    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 48.390  | 3.2    | 99    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 217.760 | 12.9   | 86    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 46.163  | 7.7#   | 93    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 43.538  | 12.9   | 92    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 46.715  | 6.6    | 94    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 46.603  | 6.8    | 104   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0    | 108   | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 46.806  | 6.4    | 104   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 46.533  | 6.9    | 94    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 43.661  | 12.7   | 89    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 47.564  | 4.9    | 94    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 45.309  | 9.4    | 90    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 45.698  | 8.6    | 93    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 44.804  | 10.4   | 88    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 45.736  | 8.5    | 93    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 44.050  | 11.9   | 89    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 47.224  | 5.6    | 96    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 45.900  | 8.2#   | 93    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 46.623  | 6.8    | 94    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 47.683  | 4.6    | 95    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 43.566  | 12.9   | 88    | 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: Sep 29 05:48:15 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U092821W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 28 12:32:13 2021  
 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 | 448.735 | 55.1# | 47    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 46.779  | 6.4   | 103   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 203.503 | 18.6  | 80    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 46.657  | 6.7#  | 94    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 46.237  | 7.5   | 90    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 47.007  | 6.0   | 93    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 45.242  | 9.5   | 92    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 40.606  | 18.8  | 87    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 44.976  | 10.0  | 92    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 185.782 | 25.7# | 83    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 194.945 | 22.0# | 75    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 42.442  | 15.1  | 91    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 45.777  | 8.4   | 91    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 43.182  | 13.6  | 95    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0   | 105   | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 48.734  | 2.5   | 98    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 46.161  | 7.7   | 92    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 45.611  | 8.8   | 89    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 47.435  | 5.1#  | 92    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 93.631  | 6.4   | 92    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 46.227  | 7.5   | 90    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 46.491  | 7.0   | 88    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 39.238  | 21.5# | 82    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0   | 97    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 47.942  | 4.1   | 90    | 0.00     |
| 74 T  | N-ethyl acetate             | 50.000   | 45.030  | 9.9   | 81    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 41.603  | 16.8  | 77    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 40.479  | 19.0  | 73    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 45.161  | 9.7   | 85    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 48.706  | 2.6   | 89    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 45.422  | 9.2   | 86    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 47.167  | 5.7   | 86    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 39.066  | 21.9# | 71    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 46.872  | 6.3   | 87    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 45.579  | 8.8   | 84    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 47.823  | 4.4   | 86    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 47.369  | 5.3   | 86    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 48.440  | 3.1   | 86    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 45.392  | 9.2   | 84    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 45.531  | 8.9   | 86    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 49.400  | 1.2   | 87    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 44.727  | 10.5  | 82    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 44.770  | 10.5  | 83    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 45.493  | 9.0   | 83    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 50.232  | -0.5  | 92    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 44.852  | 10.3  | 83    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 50.593  | -1.2  | 93    | 0.00     |

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ALS Vial : 29 Sample Multiplier: 1

Instrument :  
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Quant Title : SW846 8260  
QLast Update : Tue Sep 28 12:32:13 2021  
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 | 50.051 | -0.1 | 92    | 0.00     |

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