

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY051221\  
 Data File : VY004757.D  
 Acq On : 12 May 2021 16:37  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.00G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 LabSampleId :  
 VSTDCCC050

Quant Time: May 13 00:56:59 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y051021S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 11 04:13:44 2021  
 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   | 98    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 46.610  | 6.8   | 90    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 44.398  | 11.2  | 90    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 44.991  | 10.0# | 91    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 48.886  | 2.2   | 96    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 48.248  | 3.5   | 93    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 49.428  | 1.1   | 95    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 47.832  | 4.3   | 96    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 49.415  | 1.2   | 97    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 51.517  | -3.0  | 97    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 232.111 | 7.2   | 104   | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 49.769  | 0.5#  | 96    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 239.073 | 4.4   | 97    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 49.138  | 1.7   | 95    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 241.052 | 3.6   | 96    | 0.01     |
| 16 T  | Acetone                     | 250.000 | 242.664 | 2.9   | 99    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 50.690  | -1.4  | 97    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 48.186  | 3.6   | 99    | 0.01     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 50.057  | -0.1  | 98    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 54.405  | -8.8  | 104   | 0.01     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 50.573  | -1.1  | 96    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 51.168  | -2.3  | 98    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 252.694 | -1.1  | 97    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 50.376  | -0.8  | 97    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 245.957 | 1.6   | 99    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 50.905  | -1.8  | 98    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 51.084  | -2.2  | 99    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 52.134  | -4.3  | 99    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 243.678 | 2.5   | 97    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 50.227  | -0.5# | 97    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 47.269  | 5.5   | 94    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 50.615  | -1.2  | 97    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 51.939  | -3.9  | 101   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 98    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 57.046  | -14.1 | 104   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 50.612  | -1.2  | 96    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 49.496  | 1.0   | 100   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 52.808  | -5.6  | 97    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 51.049  | -2.1  | 94    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 51.269  | -2.5  | 97    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 50.884  | -1.8  | 90    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 50.448  | -0.9  | 97    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 50.532  | -1.1  | 97    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 50.550  | -1.1  | 95    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 51.624  | -3.2# | 98    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 51.026  | -2.1  | 98    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 51.499  | -3.0  | 98    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 50.586  | -1.2  | 98    | 0.00     |

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 LabSampleId :  
 VSTDCCC050

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 Quant Title : SW846 8260  
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 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 | 1019.891 | -2.0  | 101   | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 54.437   | -8.9  | 101   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 254.843  | -1.9  | 99    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 51.704   | -3.4# | 97    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 50.982   | -2.0  | 96    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 50.848   | -1.7  | 96    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 51.255   | -2.5  | 99    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 52.076   | -4.2  | 98    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 51.174   | -2.3  | 97    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 244.333  | 2.3   | 99    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 257.854  | -3.1  | 98    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 50.765   | -1.5  | 98    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 50.999   | -2.0  | 96    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 53.888   | -7.8  | 101   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0   | 98    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 49.353   | 1.3   | 93    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 51.158   | -2.3  | 96    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 51.056   | -2.1  | 96    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 51.837   | -3.7# | 96    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 104.114  | -4.1  | 96    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 51.947   | -3.9  | 96    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 53.144   | -6.3  | 96    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 51.225   | -2.5  | 97    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0   | 98    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 51.341   | -2.7  | 95    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 50.565   | -1.1  | 95    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 50.354   | -0.7  | 97    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 55.303   | -10.6 | 107   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 50.933   | -1.9  | 98    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 51.589   | -3.2  | 95    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 50.541   | -1.1  | 94    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 51.845   | -3.7  | 95    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 48.731   | 2.5   | 94    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 51.308   | -2.6  | 95    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 51.556   | -3.1  | 93    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 51.255   | -2.5  | 94    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 51.756   | -3.5  | 94    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 51.778   | -3.6  | 94    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 49.981   | 0.0   | 95    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 50.213   | -0.4  | 95    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 50.995   | -2.0  | 91    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 51.206   | -2.4  | 94    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 50.266   | -0.5  | 95    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 44.886   | 10.2  | 92    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 48.350   | 3.3   | 90    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 49.872   | 0.3   | 91    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 49.324   | 1.4   | 92    | 0.00     |

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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 | 48.491 | 3.0  | 91    | 0.00     |

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