

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY092321\  
 Data File : VY006126.D  
 Acq On : 23 Sep 2021 16:36  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.00G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 LabSampleId :  
 VSTDCCC050

Quant Time: Sep 24 07:30:29 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y091421S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Sep 15 05:01:47 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   | 128   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 43.751  | 12.5  | 119   | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 47.238  | 5.5   | 127   | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 47.248  | 5.5#  | 127   | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 49.340  | 1.3   | 136   | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 49.059  | 1.9   | 128   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 48.393  | 3.2   | 126   | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 54.285  | -8.6  | 136   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 54.022  | -8.0  | 142   | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 51.352  | -2.7  | 128   | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 202.162 | 19.1  | 113   | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 53.213  | -6.4# | 141   | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 238.917 | 4.4   | 117   | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 55.275  | -10.5 | 143   | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 262.240 | -4.9  | 126   | 0.00     |
| 16 T  | Acetone                     | 250.000 | 231.461 | 7.4   | 111   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 51.476  | -3.0  | 134   | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 51.637  | -3.3  | 128   | -0.01    |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 53.190  | -6.4  | 131   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 60.282  | -20.6 | 152   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 54.609  | -9.2  | 141   | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 57.537  | -15.1 | 146   | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 268.901 | -7.6  | 131   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 57.131  | -14.3 | 148   | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 246.430 | 1.4   | 117   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 52.196  | -4.4  | 138   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 56.582  | -13.2 | 143   | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 54.867  | -9.7  | 129   | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 223.142 | 10.7  | 105   | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 49.545  | 0.9#  | 128   | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 44.754  | 10.5  | 121   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 46.937  | 6.1   | 121   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 46.820  | 6.4   | 120   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 132   | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 51.097  | -2.2  | 136   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 47.105  | 5.8   | 124   | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 48.191  | 3.6   | 122   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 44.252  | 11.5  | 117   | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 46.171  | 7.7   | 121   | 0.00     |
| 40 TM | Benzene                     | 50.000  | 48.324  | 3.4   | 127   | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 43.546  | 12.9  | 104   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 44.659  | 10.7  | 114   | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 44.352  | 11.3  | 110   | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 48.306  | 3.4   | 126   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 50.306  | -0.6# | 133   | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 47.959  | 4.1   | 122   | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 48.336  | 3.3   | 125   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 43.553  | 12.9  | 107   | 0.00     |

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 LabSampleId :  
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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 | 928.349 | 7.2   | 113   | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 49.518  | 1.0   | 130   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 212.165 | 15.1  | 104   | 0.00     |
| 52 CM | Toluene                     | 50.000   | 48.364  | 3.3#  | 127   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 47.826  | 4.3   | 122   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 49.369  | 1.3   | 128   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 48.786  | 2.4   | 123   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 47.602  | 4.8   | 117   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 48.875  | 2.3   | 125   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 240.989 | 3.6   | 123   | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 213.146 | 14.7  | 102   | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 48.236  | 3.5   | 123   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 49.217  | 1.6   | 124   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 51.521  | -3.0  | 138   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0   | 129   | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 48.274  | 3.5   | 128   | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 48.451  | 3.1   | 127   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 48.807  | 2.4   | 127   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 48.450  | 3.1#  | 127   | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 96.363  | 3.6   | 125   | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 48.677  | 2.6   | 126   | 0.00     |
| 70 T  | Styrene                     | 50.000   | 49.089  | 1.8   | 125   | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 46.884  | 6.2   | 117   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0   | 127   | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 47.741  | 4.5   | 125   | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 44.246  | 11.5  | 109   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 46.093  | 7.8   | 117   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 44.205  | 11.6  | 119   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 47.586  | 4.8   | 124   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 47.890  | 4.2   | 126   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 49.282  | 1.4   | 127   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 48.789  | 2.4   | 126   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 45.726  | 8.5   | 114   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 49.160  | 1.7   | 128   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 48.018  | 4.0   | 123   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 48.795  | 2.4   | 125   | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 48.727  | 2.5   | 125   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 48.107  | 3.8   | 123   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 48.521  | 3.0   | 124   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 48.136  | 3.7   | 126   | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 48.980  | 2.0   | 125   | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 49.393  | 1.2   | 128   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 48.582  | 2.8   | 125   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 42.875  | 14.2  | 108   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 49.323  | 1.4   | 127   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 47.912  | 4.2   | 126   | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 59.166  | -18.3 | 145   | 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 | 48.242 | 3.5  | 123   | 0.00     |

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