

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY040121\  
 Data File : VY004249.D  
 Acq On : 01 Apr 2021 16:49  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.00g/5mL/MSVOA\_Y/SOIL  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 LabSampleId :  
 VSTDCCC050

Quant Time: Apr 02 02:11:40 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y032921S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Mar 30 06:38:14 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    | 105   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 47.718  | 4.6    | 101   | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 50.688  | -1.4   | 106   | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 54.154  | -8.3#  | 115   | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 42.842  | 14.3   | 93    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 46.447  | 7.1    | 100   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 47.201  | 5.6    | 100   | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 54.202  | -8.4   | 114   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 50.362  | -0.7   | 108   | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 48.023  | 4.0    | 101   | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 317.338 | -26.9# | 127   | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 49.683  | 0.6#   | 105   | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 261.165 | -4.5   | 112   | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 59.855  | -19.7  | 125   | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 307.141 | -22.9  | 125   | 0.00     |
| 16 T  | Acetone                     | 250.000 | 292.420 | -17.0  | 125   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 54.212  | -8.4   | 110   | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 64.591  | -29.2# | 132   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 53.987  | -8.0   | 112   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 54.960  | -9.9   | 115   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 51.296  | -2.6   | 106   | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 60.473  | -20.9  | 128   | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 299.247 | -19.7  | 123   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 55.431  | -10.9  | 116   | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 321.786 | -28.7# | 128   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 51.300  | -2.6   | 109   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 51.982  | -4.0   | 109   | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 57.479  | -15.0  | 129   | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 316.102 | -26.4# | 129   | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 51.063  | -2.1#  | 108   | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 53.777  | -7.6   | 119   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 49.588  | 0.8    | 105   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 49.368  | 1.3    | 106   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0    | 110   | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 45.650  | 8.7    | 103   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 49.952  | 0.1    | 110   | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 56.395  | -12.8  | 123   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 51.786  | -3.6   | 109   | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 51.926  | -3.9   | 113   | 0.00     |
| 40 TM | Benzene                     | 50.000  | 51.412  | -2.8   | 113   | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 53.348  | -6.7   | 121   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 50.838  | -1.7   | 111   | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 58.186  | -16.4  | 124   | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 45.038  | 9.9    | 100   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 54.844  | -9.7#  | 120   | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 50.713  | -1.4   | 110   | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 51.018  | -2.0   | 110   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 58.920  | -17.8  | 123   | 0.00     |

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 ALS Vial : 16 Sample Multiplier: 1

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 LabSampleId :  
 VSTDCCC050

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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 | 1032.621 | -3.3   | 104   | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 47.010   | 6.0    | 108   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 298.660  | -19.5  | 126   | 0.00     |
| 52 CM | Toluene                     | 50.000   | 50.635   | -1.3#  | 111   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 52.915   | -5.8   | 114   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 52.834   | -5.7   | 114   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 51.136   | -2.3   | 112   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 55.749   | -11.5  | 118   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 52.855   | -5.7   | 115   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 237.180  | 5.1    | 116   | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 299.414  | -19.8  | 126   | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 50.133   | -0.3   | 107   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 50.789   | -1.6   | 110   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 48.179   | 3.6    | 109   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0    | 111   | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 41.128   | 17.7   | 94    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 48.899   | 2.2    | 109   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 48.799   | 2.4    | 108   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 50.198   | -0.4#  | 111   | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 98.005   | 2.0    | 109   | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 49.135   | 1.7    | 109   | 0.00     |
| 70 T  | Styrene                     | 50.000   | 49.800   | 0.4    | 110   | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 51.109   | -2.2   | 109   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0    | 109   | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 50.663   | -1.3   | 110   | 0.00     |
| 74 T  | N-ethyl acetate             | 50.000   | 61.297   | -22.6  | 128   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 53.502   | -7.0   | 113   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 47.226   | 5.5    | 99    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 49.003   | 2.0    | 106   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 52.315   | -4.6   | 113   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 51.573   | -3.1   | 111   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 50.826   | -1.7   | 110   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 58.364   | -16.7  | 125   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 51.683   | -3.4   | 113   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 50.829   | -1.7   | 112   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 50.947   | -1.9   | 110   | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 51.534   | -3.1   | 112   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 50.168   | -0.3   | 108   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 49.057   | 1.9    | 106   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 49.705   | 0.6    | 107   | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 52.358   | -4.7   | 112   | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 67.471   | -34.9# | 178   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 48.999   | 2.0    | 106   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 48.842   | 2.3    | 110   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 47.019   | 6.0    | 101   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 45.366   | 9.3    | 97    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 50.039   | -0.1   | 106   | 0.00     |

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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) |
|------|------------------------|--------|--------|------|-------|----------|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 46.736 | 6.5  | 104   | 0.00     |

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