

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY081021\  
 Data File : VY005581.D  
 Acq On : 10 Aug 2021 09:00  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.00G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 LabSampleId :  
 VSTDCCC050

Quant Time: Aug 11 03:34:38 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y080221S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 03 04:52:05 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   | 92    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 44.599  | 10.8  | 90    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 46.238  | 7.5   | 87    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 48.186  | 3.6#  | 90    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 43.332  | 13.3  | 82    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 47.303  | 5.4   | 82    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 49.612  | 0.8   | 88    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 49.278  | 1.4   | 99    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 50.416  | -0.8  | 96    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 51.486  | -3.0  | 96    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 244.271 | 2.3   | 112   | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 50.322  | -0.6# | 95    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 191.117 | 23.6  | 71    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 52.586  | -5.2  | 99    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 251.575 | -0.6  | 105   | 0.00     |
| 16 T  | Acetone                     | 250.000 | 296.812 | -18.7 | 117   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 47.802  | 4.4   | 92    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 47.589  | 4.8   | 106   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 51.879  | -3.8  | 102   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 55.113  | -10.2 | 100   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 50.550  | -1.1  | 97    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 53.914  | -7.8  | 102   | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 261.751 | -4.7  | 103   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 53.598  | -7.2  | 101   | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 264.459 | -5.8  | 110   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 54.337  | -8.7  | 101   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 51.804  | -3.6  | 97    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 49.794  | 0.4   | 103   | -0.01    |
| 29 T  | Tetrahydrofuran             | 250.000 | 245.358 | 1.9   | 106   | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 53.182  | -6.4# | 101   | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 48.620  | 2.8   | 96    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 53.198  | -6.4  | 99    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 50.746  | -1.5  | 95    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 93    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 51.926  | -3.9  | 92    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 52.091  | -4.2  | 98    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 50.426  | -0.9  | 106   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 52.743  | -5.5  | 99    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 51.082  | -2.2  | 95    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 52.049  | -4.1  | 98    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 49.339  | 1.3   | 87    | -0.01    |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 52.866  | -5.7  | 103   | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 51.101  | -2.2  | 106   | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 52.755  | -5.5  | 99    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 52.841  | -5.7# | 100   | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 51.538  | -3.1  | 101   | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 53.733  | -7.5  | 101   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 51.623  | -3.2  | 106   | 0.00     |

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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 | 993.331 | 0.7   | 104   | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 50.475  | -1.0  | 90    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 255.222 | -2.1  | 106   | 0.00     |
| 52 CM | Toluene                     | 50.000   | 52.478  | -5.0# | 98    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 53.207  | -6.4  | 102   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 53.848  | -7.7  | 101   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 51.995  | -4.0  | 100   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 52.801  | -5.6  | 105   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 52.261  | -4.5  | 101   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 264.026 | -5.6  | 101   | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 264.116 | -5.6  | 110   | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 52.755  | -5.5  | 102   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 51.704  | -3.4  | 101   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 50.920  | -1.8  | 93    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0   | 92    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 55.244  | -10.5 | 104   | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 53.191  | -6.4  | 99    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 53.588  | -7.2  | 100   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 53.738  | -7.5# | 98    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 106.610 | -6.6  | 97    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 52.710  | -5.4  | 97    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 54.086  | -8.2  | 100   | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 53.095  | -6.2  | 102   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0   | 96    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 53.021  | -6.0  | 98    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 52.375  | -4.8  | 104   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 50.289  | -0.6  | 102   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 44.570  | 10.9  | 90    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 52.475  | -5.0  | 99    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 54.047  | -8.1  | 100   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 53.396  | -6.8  | 100   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 53.252  | -6.5  | 99    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 51.367  | -2.7  | 106   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 53.901  | -7.8  | 101   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 52.952  | -5.9  | 98    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 53.773  | -7.5  | 100   | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 54.251  | -8.5  | 99    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 53.896  | -7.8  | 99    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 53.130  | -6.3  | 100   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 52.550  | -5.1  | 101   | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 54.223  | -8.4  | 100   | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 54.208  | -8.4  | 101   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 52.296  | -4.6  | 101   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 50.020  | -0.0  | 108   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 53.547  | -7.1  | 104   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 54.175  | -8.3  | 101   | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 51.330  | -2.7  | 105   | 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 | 52.503 | -5.0 | 104   | 0.00     |

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