

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY092821\  
 Data File : VY006202.D  
 Acq On : 28 Sep 2021 20:37  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.00G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 LabSampleId :  
 VSTDCCC050

Quant Time: Sep 29 03:22:53 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y092821S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 28 17:44:36 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   | 103   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 46.191  | 7.6   | 98    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 51.587  | -3.2  | 104   | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 53.924  | -7.8# | 113   | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 53.953  | -7.9  | 121   | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 56.357  | -12.7 | 115   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 49.027  | 1.9   | 102   | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 55.395  | -10.8 | 112   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 49.820  | 0.4   | 105   | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 51.891  | -3.8  | 102   | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 250.016 | -0.0  | 102   | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 49.481  | 1.0#  | 103   | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 307.005 | -22.8 | 123   | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 54.930  | -9.9  | 112   | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 274.329 | -9.7  | 110   | 0.00     |
| 16 T  | Acetone                     | 250.000 | 226.881 | 9.2   | 80    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 50.095  | -0.2  | 105   | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 60.969  | -21.9 | 122   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 55.309  | -10.6 | 110   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 56.848  | -13.7 | 113   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 51.656  | -3.3  | 107   | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 56.398  | -12.8 | 115   | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 275.185 | -10.1 | 110   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 53.323  | -6.6  | 111   | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 263.256 | -5.3  | 99    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 47.491  | 5.0   | 99    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 51.848  | -3.7  | 107   | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 56.214  | -12.4 | 119   | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 280.636 | -12.3 | 111   | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 52.903  | -5.8# | 110   | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 48.439  | 3.1   | 105   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 50.814  | -1.6  | 105   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 52.584  | -5.2  | 112   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 106   | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 50.505  | -1.0  | 112   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 48.692  | 2.6   | 106   | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 53.726  | -7.5  | 112   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 46.929  | 6.1   | 101   | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 48.072  | 3.9   | 102   | 0.00     |
| 40 TM | Benzene                     | 50.000  | 49.894  | 0.2   | 107   | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 44.498  | 11.0  | 95    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 51.519  | -3.0  | 108   | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 54.345  | -8.7  | 112   | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 48.817  | 2.4   | 105   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 51.947  | -3.9# | 111   | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 51.821  | -3.6  | 108   | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 51.399  | -2.8  | 108   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 53.089  | -6.2  | 107   | 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 | 927.542 | 7.2   | 96    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 48.996  | 2.0   | 108   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 275.541 | -10.2 | 111   | 0.00     |
| 52 CM | Toluene                     | 50.000   | 50.119  | -0.2# | 106   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 50.456  | -0.9  | 106   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 51.318  | -2.6  | 107   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 52.066  | -4.1  | 108   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 54.230  | -8.5  | 109   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 52.123  | -4.2  | 109   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 270.095 | -8.0  | 113   | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 265.108 | -6.0  | 103   | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 51.010  | -2.0  | 106   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 52.344  | -4.7  | 107   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 50.449  | -0.9  | 110   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0   | 108   | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 50.953  | -1.9  | 112   | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 48.484  | 3.0   | 104   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 49.520  | 1.0   | 106   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 48.869  | 2.3#  | 105   | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 96.611  | 3.4   | 104   | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 49.648  | 0.7   | 106   | 0.00     |
| 70 T  | Styrene                     | 50.000   | 50.030  | -0.1  | 106   | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 50.013  | -0.0  | 104   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0   | 107   | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 48.747  | 2.5   | 103   | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 54.055  | -8.1  | 109   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 49.855  | 0.3   | 104   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 47.709  | 4.6   | 104   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 49.816  | 0.4   | 105   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 48.421  | 3.2   | 103   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 49.545  | 0.9   | 106   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 49.106  | 1.8   | 104   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 47.650  | 4.7   | 97    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 50.176  | -0.4  | 107   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 48.854  | 2.3   | 104   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 49.562  | 0.9   | 105   | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 48.496  | 3.0   | 103   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 48.095  | 3.8   | 102   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 48.437  | 3.1   | 104   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 48.227  | 3.5   | 103   | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 47.972  | 4.1   | 102   | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 48.840  | 2.3   | 104   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 49.064  | 1.9   | 104   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 50.778  | -1.6  | 107   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 47.693  | 4.6   | 101   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 45.396  | 9.2   | 97    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 49.585  | 0.8   | 103   | 0.00     |

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ALS Vial : 26 Sample Multiplier: 1

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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 | 48.215 | 3.6  | 103   | 0.00     |

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