

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY072721\  
 Data File : VY005461.D  
 Acq On : 27 Jul 2021 13:40  
 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: Jul 28 02:31:42 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y072221S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jul 23 06:20:14 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   | 120   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 43.515  | 13.0  | 121   | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 46.068  | 7.9   | 124   | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 46.023  | 8.0#  | 123   | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 42.749  | 14.5  | 101   | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 47.582  | 4.8   | 114   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 48.531  | 2.9   | 119   | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 47.778  | 4.4   | 115   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 50.290  | -0.6  | 126   | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 52.858  | -5.7  | 131   | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 222.542 | 11.0  | 123   | -0.06    |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 49.753  | 0.5#  | 123   | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 235.439 | 5.8   | 140   | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 49.934  | 0.1   | 123   | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 238.118 | 4.8   | 118   | -0.01    |
| 16 T  | Acetone                     | 250.000 | 275.434 | -10.2 | 155   | -0.02    |
| 17 T  | Carbon Disulfide            | 50.000  | 48.258  | 3.5   | 121   | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 45.324  | 9.4   | 116   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 48.643  | 2.7   | 114   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 41.126  | 17.7  | 103   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 50.012  | -0.0  | 121   | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 52.204  | -4.4  | 120   | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 257.164 | -2.9  | 115   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 53.051  | -6.1  | 122   | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 258.170 | -3.3  | 127   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 52.924  | -5.8  | 125   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 51.786  | -3.6  | 118   | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 48.567  | 2.9   | 116   | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 253.865 | -1.5  | 118   | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 52.968  | -5.9# | 117   | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 52.337  | -4.7  | 128   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 52.538  | -5.1  | 118   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 49.738  | 0.5   | 107   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 103   | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 60.096  | -20.2 | 113   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 62.058  | -24.1 | 123   | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 54.406  | -8.8  | 107   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 59.397  | -18.8 | 117   | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 53.552  | -7.1  | 108   | 0.00     |
| 40 TM | Benzene                     | 50.000  | 60.808  | -21.6 | 119   | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 49.167  | 1.7   | 92    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 58.475  | -17.0 | 112   | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 58.565  | -17.1 | 112   | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 53.141  | -6.3  | 104   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 52.939  | -5.9# | 103   | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 51.571  | -3.1  | 99    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 52.823  | -5.6  | 100   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 50.366  | -0.7  | 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 | 1039.521 | -4.0  | 103   | -0.03    |
| 50 S  | Toluene-d8                  | 50.000   | 52.818   | -5.6  | 99    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 251.827  | -0.7  | 98    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 52.954   | -5.9# | 102   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 52.380   | -4.8  | 100   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 52.661   | -5.3  | 101   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 52.230   | -4.5  | 100   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 51.396   | -2.8  | 97    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 51.478   | -3.0  | 99    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 265.365  | -6.1  | 100   | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 257.594  | -3.0  | 100   | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 52.391   | -4.8  | 99    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 51.299   | -2.6  | 97    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 52.223   | -4.4  | 98    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0   | 100   | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 53.573   | -7.1  | 104   | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 53.211   | -6.4  | 102   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 52.623   | -5.2  | 99    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 54.056   | -8.1# | 103   | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 108.023  | -8.0  | 104   | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 54.005   | -8.0  | 103   | 0.00     |
| 70 T  | Styrene                     | 50.000   | 54.217   | -8.4  | 101   | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 51.865   | -3.7  | 95    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0   | 102   | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 55.134   | -10.3 | 105   | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 52.514   | -5.0  | 99    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 51.612   | -3.2  | 98    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 51.853   | -3.7  | 100   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 53.528   | -7.1  | 101   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 54.917   | -9.8  | 106   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 54.364   | -8.7  | 104   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 54.815   | -9.6  | 104   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 50.806   | -1.6  | 99    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 54.133   | -8.3  | 104   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 55.217   | -10.4 | 106   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 54.316   | -8.6  | 104   | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 55.712   | -11.4 | 107   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 55.841   | -11.7 | 108   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 53.674   | -7.3  | 102   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 53.497   | -7.0  | 104   | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 55.838   | -11.7 | 109   | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 55.074   | -10.1 | 105   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 53.051   | -6.1  | 102   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 48.762   | 2.5   | 97    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 53.945   | -7.9  | 106   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 55.650   | -11.3 | 111   | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 51.592   | -3.2  | 100   | 0.00     |

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Instrument :  
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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 | 52.649 | -5.3 | 103   | 0.00     |

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