

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY020422\  
 Data File : VY007386.D  
 Acq On : 04 Feb 2022 10:45  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 LabSampleId :  
 VSTDCCC050

Quant Time: Feb 06 23:31:52 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y020222S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Feb 03 04:36:48 2022  
 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   | 102   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 44.945  | 10.1  | 96    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 44.946  | 10.1  | 91    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 44.681  | 10.6# | 93    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 48.783  | 2.4   | 98    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 44.121  | 11.8  | 90    | -0.01    |
| 7 T   | Trichlorofluoromethane      | 50.000  | 47.285  | 5.4   | 97    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 49.230  | 1.5   | 101   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 47.656  | 4.7   | 98    | -0.01    |
| 10 T  | Methyl Iodide               | 50.000  | 50.449  | -0.9  | 94    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 240.672 | 3.7   | 100   | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 47.416  | 5.2#  | 96    | -0.01    |
| 13 T  | Acrolein                    | 250.000 | 238.970 | 4.4   | 97    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 47.929  | 4.1   | 97    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 262.157 | -4.9  | 109   | 0.00     |
| 16 T  | Acetone                     | 250.000 | 278.433 | -11.4 | 98    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 47.064  | 5.9   | 95    | -0.01    |
| 18 T  | Methyl Acetate              | 50.000  | 52.258  | -4.5  | 110   | -0.01    |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 49.373  | 1.3   | 101   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 48.263  | 3.5   | 97    | -0.01    |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 46.729  | 6.5   | 96    | -0.01    |
| 22 T  | Diisopropyl ether           | 50.000  | 46.630  | 6.7   | 96    | -0.01    |
| 23 T  | Vinyl Acetate               | 250.000 | 247.661 | 0.9   | 101   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 46.928  | 6.1   | 97    | -0.01    |
| 25 T  | 2-Butanone                  | 250.000 | 265.733 | -6.3  | 100   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 46.622  | 6.8   | 95    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 47.956  | 4.1   | 98    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 48.964  | 2.1   | 100   | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 262.812 | -5.1  | 106   | -0.01    |
| 30 C  | Chloroform                  | 50.000  | 46.518  | 7.0#  | 96    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 44.537  | 10.9  | 95    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 47.558  | 4.9   | 97    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 49.266  | 1.5   | 101   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 101   | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 49.090  | 1.8   | 102   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 46.797  | 6.4   | 96    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 50.966  | -1.9  | 106   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 46.891  | 6.2   | 94    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 47.114  | 5.8   | 95    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 46.726  | 6.5   | 95    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 47.939  | 4.1   | 90    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 47.907  | 4.2   | 98    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 52.043  | -4.1  | 105   | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 47.174  | 5.7   | 96    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 46.589  | 6.8#  | 96    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 48.730  | 2.5   | 99    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 47.303  | 5.4   | 95    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 51.594  | -3.2  | 103   | 0.00     |

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 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 LabSampleId :  
 VSTDCCC050

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 Quant Title : SW846 8260  
 QLast Update : Thu Feb 03 04:36:48 2022  
 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 | 1195.685 | -19.6 | 111   | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 49.722   | 0.6   | 102   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 263.777  | -5.5  | 106   | 0.00     |
| 52 CM | Toluene                     | 50.000   | 46.925   | 6.2#  | 95    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 48.711   | 2.6   | 97    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 47.990   | 4.0   | 96    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 48.871   | 2.3   | 99    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 51.194   | -2.4  | 102   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 48.709   | 2.6   | 100   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 247.304  | 1.1   | 99    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 268.441  | -7.4  | 101   | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 48.832   | 2.3   | 99    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 49.927   | 0.1   | 101   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 49.015   | 2.0   | 103   | 0.00     |
|       |                             |          |          |       |       |          |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0   | 101   | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 47.631   | 4.7   | 96    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 47.298   | 5.4   | 96    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 47.829   | 4.3   | 97    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 47.112   | 5.8#  | 96    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 94.709   | 5.3   | 95    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 47.720   | 4.6   | 95    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 48.216   | 3.6   | 96    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 51.144   | -2.3  | 102   | 0.00     |
|       |                             |          |          |       |       |          |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0   | 103   | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 46.163   | 7.7   | 97    | 0.00     |
| 74 T  | N-ethyl acetate             | 50.000   | 51.742   | -3.5  | 105   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 50.009   | -0.0  | 104   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 51.459   | -2.9  | 102   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 46.489   | 7.0   | 97    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 47.005   | 6.0   | 96    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 46.319   | 7.4   | 96    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 46.808   | 6.4   | 96    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 51.607   | -3.2  | 102   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 46.511   | 7.0   | 96    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 46.911   | 6.2   | 97    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 46.811   | 6.4   | 96    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 46.732   | 6.5   | 97    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 47.449   | 5.1   | 97    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 47.572   | 4.9   | 98    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 46.655   | 6.7   | 97    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 47.518   | 5.0   | 97    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 47.243   | 5.5   | 97    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 46.934   | 6.1   | 99    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 52.972   | -5.9  | 110   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 48.868   | 2.3   | 100   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 48.476   | 3.0   | 99    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 54.603   | -9.2  | 109   | 0.00     |

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ALS Vial : 2 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 | 50.961 | -1.9 | 105   | 0.00     |

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