

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY092221\  
 Data File : VY006102.D  
 Acq On : 22 Sep 2021 13:36  
 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: Sep 22 18:13:02 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y091421S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Sep 15 05:01:47 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   | 110   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 44.447  | 11.1  | 104   | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 42.821  | 14.4  | 100   | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 44.390  | 11.2# | 102   | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 44.301  | 11.4  | 105   | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 44.776  | 10.4  | 101   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 45.746  | 8.5   | 103   | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 41.463  | 17.1  | 90    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 48.869  | 2.3   | 111   | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 47.410  | 5.2   | 102   | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 280.585 | -12.2 | 124   | -0.01    |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 47.771  | 4.5#  | 109   | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 284.385 | -13.8 | 120   | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 45.467  | 9.1   | 102   | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 247.967 | 0.8   | 103   | 0.00     |
| 16 T  | Acetone                     | 250.000 | 280.179 | -12.1 | 116   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 46.801  | 6.4   | 105   | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 46.527  | 6.9   | 100   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 40.224  | 19.6  | 86    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 53.138  | -6.3  | 117   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 46.797  | 6.4   | 104   | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 40.490  | 19.0  | 88    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 212.878 | 14.8  | 89    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 45.263  | 9.5   | 101   | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 252.677 | -1.1  | 104   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 46.378  | 7.2   | 106   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 45.688  | 8.6   | 100   | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 46.562  | 6.9   | 94    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 241.141 | 3.5   | 98    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 43.954  | 12.1# | 98    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 44.043  | 11.9  | 103   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 44.685  | 10.6  | 99    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 40.174  | 19.7  | 89    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 107   | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 46.197  | 7.6   | 99    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 48.676  | 2.6   | 103   | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 47.984  | 4.0   | 98    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 46.942  | 6.1   | 100   | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 48.735  | 2.5   | 103   | 0.00     |
| 40 TM | Benzene                     | 50.000  | 46.992  | 6.0   | 100   | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 52.354  | -4.7  | 100   | 0.01     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 41.683  | 16.6  | 86    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 44.512  | 11.0  | 89    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 49.366  | 1.3   | 104   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 45.136  | 9.7#  | 96    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 44.623  | 10.8  | 91    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 44.237  | 11.5  | 92    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 46.305  | 7.4   | 91    | 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 | 1115.579 | -11.6 | 109   | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 46.830   | 6.3   | 99    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 232.604  | 7.0   | 92    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 46.589   | 6.8#  | 99    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 43.902   | 12.2  | 90    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 44.837   | 10.3  | 94    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 44.910   | 10.2  | 91    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 43.174   | 13.7  | 86    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 44.125   | 11.8  | 91    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 226.114  | 9.6   | 93    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 252.441  | -1.0  | 97    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 44.724   | 10.6  | 92    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 45.850   | 8.3   | 93    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 44.523   | 11.0  | 96    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0   | 100   | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 51.514   | -3.0  | 105   | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 47.267   | 5.5   | 96    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 45.526   | 8.9   | 92    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 48.747   | 2.5#  | 98    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 97.218   | 2.8   | 98    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 47.680   | 4.6   | 95    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 47.578   | 4.8   | 94    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 48.733   | 2.5   | 94    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0   | 96    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 49.284   | 1.4   | 98    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 43.877   | 12.2  | 82    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 48.230   | 3.5   | 93    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 59.703   | -19.4 | 122   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 46.664   | 6.7   | 92    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 49.348   | 1.3   | 98    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 49.397   | 1.2   | 97    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 48.975   | 2.0   | 96    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 50.241   | -0.5  | 95    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 49.384   | 1.2   | 98    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 50.036   | -0.1  | 97    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 48.549   | 2.9   | 94    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 50.578   | -1.2  | 98    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 49.032   | 1.9   | 96    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 48.342   | 3.3   | 94    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 47.438   | 5.1   | 94    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 50.762   | -1.5  | 99    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 49.779   | 0.4   | 98    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 47.305   | 5.4   | 92    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 50.103   | -0.2  | 96    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 48.043   | 3.9   | 94    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 50.662   | -1.3  | 101   | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 51.322   | -2.6  | 95    | 0.00     |

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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 | 46.801 | 6.4  | 90    | 0.00     |

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