

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY121924\  
 Data File : VY020662.D  
 Acq On : 19 Dec 2024 17:56  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 LabSampleId :  
 VSTDCCC050

Quant Time: Dec 20 00:58:31 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y121724S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Dec 18 05:27:13 2024  
 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   | 182   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 19.537  | 60.9# | 72    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 20.223  | 59.6# | 80    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 20.104  | 59.8# | 85    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 20.866  | 58.3# | 92    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 19.932  | 60.1# | 91    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 19.091  | 61.8# | 79    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 20.764  | 58.5# | 82    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 20.664  | 58.7# | 81    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 24.986  | 50.0# | 95    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 41.062  | 83.6# | 56    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 21.885  | 56.2# | 85    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 55.648  | 77.7# | 61    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 22.407  | 55.2# | 87    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 87.534  | 65.0# | 62    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 83.445  | 66.6# | 71    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 22.232  | 55.5# | 85    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 19.310  | 61.4# | 75    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 21.584  | 56.8# | 76    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 23.204  | 53.6# | 93    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 22.803  | 54.4# | 82    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 24.389  | 51.2# | 87    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 100.483 | 59.8# | 70    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 24.037  | 51.9# | 86    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 82.027  | 67.2# | 62    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 13.836  | 72.3# | 53    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 23.640  | 52.7# | 85    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 24.867  | 50.3# | 81    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 87.132  | 65.1# | 62    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 21.191  | 57.6# | 84    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 19.618  | 60.8# | 75    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 22.530  | 54.9# | 82    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 48.981  | 2.0   | 172   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 201   | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 48.666  | 2.7   | 191   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 19.208  | 61.6# | 78    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 15.417  | 69.2# | 63    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 19.640  | 60.7# | 80    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 17.524  | 65.0# | 71    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 21.564  | 56.9# | 88    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 14.338  | 71.3# | 60    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 19.798  | 60.4# | 79    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 17.203  | 65.6# | 68    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 20.381  | 59.2# | 83    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 21.636  | 56.7# | 88    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 19.282  | 61.4# | 78    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 21.405  | 57.2# | 85    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 16.260  | 67.5# | 64    | 0.00     |

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 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 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 | 318.450 | 68.2# | 64    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 51.718  | -3.4  | 201   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 79.170  | 68.3# | 64    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 21.138  | 57.7# | 85    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 17.875  | 64.3# | 70    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 19.252  | 61.5# | 76    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 19.236  | 61.5# | 78    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 18.335  | 63.3# | 71    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 19.428  | 61.1# | 77    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 86.648  | 65.3# | 76    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 79.270  | 68.3# | 62    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 20.097  | 59.8# | 79    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 18.780  | 62.4# | 75    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 43.986  | 12.0  | 178   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0   | 197   | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 19.519  | 61.0# | 80    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 21.570  | 56.9# | 87    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 22.236  | 55.5# | 89    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 21.171  | 57.7# | 84    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 41.993  | 58.0# | 83    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 21.597  | 56.8# | 85    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 22.040  | 55.9# | 87    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 18.655  | 62.7# | 73    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0   | 165   | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 24.793  | 50.4# | 82    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 20.789  | 58.4# | 66    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 21.676  | 56.6# | 71    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 20.616  | 58.8# | 68    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 25.517  | 49.0# | 85    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 24.484  | 51.0# | 81    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 25.431  | 49.1# | 85    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 25.099  | 49.8# | 83    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 16.420  | 67.2# | 52    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 25.151  | 49.7# | 83    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 24.673  | 50.7# | 81    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 25.518  | 49.0# | 83    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 23.788  | 52.4# | 78    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 24.313  | 51.4# | 79    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 25.211  | 49.6# | 84    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 24.659  | 50.7# | 83    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 23.273  | 53.5# | 75    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 25.445  | 49.1# | 84    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 25.231  | 49.5# | 84    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 19.161  | 61.7# | 64    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 22.816  | 54.4# | 73    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 23.197  | 53.6# | 75    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 20.504  | 59.0# | 65    | 0.00     |

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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) |
|------|------------------------|--------|--------|-------|-------|----------|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 22.922 | 54.2# | 73    | 0.00     |

(#) = Out of Range

SPCC's out = 0 CCC's out = 6