

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY121124\  
 Data File : VY020580.D  
 Acq On : 11 Dec 2024 11:11  
 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: Dec 11 22:09:56 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y120224S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Dec 03 01:39:23 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   | 111   | -0.01    |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 43.607  | 12.8  | 90    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 47.847  | 4.3   | 100   | -0.01    |
| 4 C   | Vinyl Chloride              | 50.000  | 47.656  | 4.7#  | 99    | -0.01    |
| 5 T   | Bromomethane                | 50.000  | 47.242  | 5.5   | 101   | -0.02    |
| 6 T   | Chloroethane                | 50.000  | 47.216  | 5.6   | 102   | -0.01    |
| 7 T   | Trichlorofluoromethane      | 50.000  | 42.447  | 15.1  | 92    | -0.02    |
| 8 T   | Diethyl Ether               | 50.000  | 45.371  | 9.3   | 101   | -0.02    |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 45.004  | 10.0  | 100   | -0.02    |
| 10 T  | Methyl Iodide               | 50.000  | 44.452  | 11.1  | 92    | -0.02    |
| 11 T  | Tert butyl alcohol          | 250.000 | 267.140 | -6.9  | 117   | -0.02    |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 44.347  | 11.3# | 96    | -0.02    |
| 13 T  | Acrolein                    | 250.000 | 179.893 | 28.0# | 89    | -0.02    |
| 14 T  | Allyl chloride              | 50.000  | 46.213  | 7.6   | 101   | -0.02    |
| 15 T  | Acrylonitrile               | 250.000 | 245.115 | 2.0   | 105   | -0.02    |
| 16 T  | Acetone                     | 250.000 | 257.524 | -3.0  | 99    | -0.02    |
| 17 T  | Carbon Disulfide            | 50.000  | 44.850  | 10.3  | 89    | -0.02    |
| 18 T  | Methyl Acetate              | 50.000  | 50.895  | -1.8  | 109   | -0.02    |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 45.716  | 8.6   | 99    | -0.02    |
| 20 T  | Methylene Chloride          | 50.000  | 46.621  | 6.8   | 104   | -0.02    |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 44.721  | 10.6  | 99    | -0.02    |
| 22 T  | Diisopropyl ether           | 50.000  | 47.386  | 5.2   | 105   | -0.01    |
| 23 T  | Vinyl Acetate               | 250.000 | 243.428 | 2.6   | 103   | -0.02    |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 45.332  | 9.3   | 102   | -0.02    |
| 25 T  | 2-Butanone                  | 250.000 | 254.599 | -1.8  | 101   | -0.02    |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 43.364  | 13.3  | 98    | -0.02    |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 45.065  | 9.9   | 100   | -0.01    |
| 28 T  | Bromochloromethane          | 50.000  | 54.989  | -10.0 | 114   | -0.02    |
| 29 T  | Tetrahydrofuran             | 250.000 | 248.038 | 0.8   | 103   | -0.02    |
| 30 C  | Chloroform                  | 50.000  | 44.581  | 10.8# | 102   | -0.01    |
| 31 T  | Cyclohexane                 | 50.000  | 42.430  | 15.1  | 95    | -0.01    |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 42.696  | 14.6  | 96    | -0.02    |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 52.112  | -4.2  | 106   | -0.01    |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 113   | -0.01    |
| 35 S  | Dibromofluoromethane        | 50.000  | 53.666  | -7.3  | 110   | -0.02    |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 43.846  | 12.3  | 96    | -0.01    |
| 37 T  | Ethyl Acetate               | 50.000  | 49.063  | 1.9   | 107   | -0.02    |
| 38 T  | Carbon Tetrachloride        | 50.000  | 42.642  | 14.7  | 94    | -0.01    |
| 39 T  | Methylcyclohexane           | 50.000  | 44.375  | 11.3  | 96    | -0.01    |
| 40 TM | Benzene                     | 50.000  | 44.218  | 11.6  | 99    | -0.01    |
| 41 T  | Methacrylonitrile           | 50.000  | 47.753  | 4.5   | 97    | -0.01    |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 45.172  | 9.7   | 98    | -0.01    |
| 43 T  | Isopropyl Acetate           | 50.000  | 48.045  | 3.9   | 103   | -0.01    |
| 44 TM | Trichloroethene             | 50.000  | 44.553  | 10.9  | 100   | -0.01    |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 44.888  | 10.2# | 103   | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 46.630  | 6.7   | 104   | -0.01    |
| 47 T  | Bromodichloromethane        | 50.000  | 44.752  | 10.5  | 102   | -0.01    |
| 48 T  | Methyl methacrylate         | 50.000  | 48.921  | 2.2   | 104   | -0.01    |

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 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 LabSampleId :  
 VSTDCCC050

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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y120224S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Dec 03 01:39:23 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) |
|-------|-----------------------------|----------|----------|-------|-------|----------|
| 49 T  | 1,4-Dioxane                 | 1000.000 | 1090.364 | -9.0  | 113   | -0.02    |
| 50 S  | Toluene-d8                  | 50.000   | 51.824   | -3.6  | 106   | -0.01    |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 251.664  | -0.7  | 106   | -0.01    |
| 52 CM | Toluene                     | 50.000   | 44.321   | 11.4# | 99    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 45.629   | 8.7   | 100   | -0.01    |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 46.380   | 7.2   | 103   | -0.01    |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 46.602   | 6.8   | 103   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 47.807   | 4.4   | 100   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 46.340   | 7.3   | 103   | -0.01    |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 252.242  | -0.9  | 92    | -0.01    |
| 59 T  | 2-Hexanone                  | 250.000  | 248.265  | 0.7   | 99    | -0.01    |
| 60 T  | Dibromochloromethane        | 50.000   | 45.507   | 9.0   | 100   | -0.01    |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 46.453   | 7.1   | 103   | -0.01    |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 52.470   | -4.9  | 110   | -0.01    |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0   | 115   | -0.01    |
| 64 T  | Tetrachloroethene           | 50.000   | 42.863   | 14.3  | 99    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 43.537   | 12.9  | 102   | -0.01    |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 43.406   | 13.2  | 102   | -0.01    |
| 67 C  | Ethyl Benzene               | 50.000   | 43.670   | 12.7# | 100   | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 87.724   | 12.3  | 102   | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 44.151   | 11.7  | 101   | -0.01    |
| 70 T  | Styrene                     | 50.000   | 44.640   | 10.7  | 102   | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 45.119   | 9.8   | 102   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0   | 121   | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 39.818   | 20.4  | 102   | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 44.549   | 10.9  | 103   | -0.01    |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 42.683   | 14.6  | 105   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 41.700   | 16.6  | 122   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 40.671   | 18.7  | 103   | -0.01    |
| 78 T  | n-propylbenzene             | 50.000   | 40.514   | 19.0  | 103   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 39.983   | 20.0  | 103   | -0.01    |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 40.302   | 19.4  | 102   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 41.257   | 17.5  | 99    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 40.408   | 19.2  | 103   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 40.753   | 18.5  | 105   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 41.082   | 17.8  | 104   | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 40.977   | 18.0  | 105   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 41.416   | 17.2  | 105   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 41.867   | 16.3  | 106   | -0.01    |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 42.044   | 15.9  | 107   | -0.01    |
| 89 T  | n-Butylbenzene              | 50.000   | 42.170   | 15.7  | 107   | -0.01    |
| 90 T  | Hexachloroethane            | 50.000   | 41.382   | 17.2  | 107   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 42.706   | 14.6  | 108   | -0.01    |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 43.101   | 13.8  | 102   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 45.974   | 8.1   | 112   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 42.966   | 14.1  | 104   | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 45.437   | 9.1   | 102   | 0.00     |

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ALS Vial : 2 Sample Multiplier: 1

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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 | 46.058 | 7.9  | 110   | 0.00     |

(#) = Out of Range

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