

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY110624\  
 Data File : VY020174.D  
 Acq On : 06 Nov 2024 11:45  
 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: Nov 07 00:22:30 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y103024S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 31 15:23:13 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    | 91    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 46.136  | 7.7    | 102   | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 55.220  | -10.4  | 113   | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 53.940  | -7.9#  | 107   | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 51.505  | -3.0   | 107   | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 52.495  | -5.0   | 104   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 52.377  | -4.8   | 103   | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 56.141  | -12.3  | 114   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 52.283  | -4.6   | 105   | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 52.902  | -5.8   | 102   | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 234.651 | 6.1    | 116   | 0.01     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 51.907  | -3.8#  | 103   | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 186.802 | 25.3#  | 76    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 54.678  | -9.4   | 106   | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 291.182 | -16.5  | 116   | 0.00     |
| 16 T  | Acetone                     | 250.000 | 298.826 | -19.5  | 113   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 50.910  | -1.8   | 99    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 56.321  | -12.6  | 110   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 57.532  | -15.1  | 115   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 48.662  | 2.7    | 104   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 52.912  | -5.8   | 104   | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 56.324  | -12.6  | 109   | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 293.044 | -17.2  | 115   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 54.189  | -8.4   | 108   | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 291.261 | -16.5  | 116   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 54.021  | -8.0   | 109   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 54.681  | -9.4   | 108   | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 56.596  | -13.2  | 112   | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 291.044 | -16.4  | 116   | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 55.216  | -10.4# | 109   | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 49.332  | 1.3    | 103   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 54.288  | -8.6   | 105   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 55.594  | -11.2  | 108   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0    | 90    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 55.995  | -12.0  | 105   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 54.017  | -8.0   | 106   | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 56.663  | -13.3  | 113   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 56.127  | -12.3  | 108   | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 53.822  | -7.6   | 104   | 0.00     |
| 40 TM | Benzene                     | 50.000  | 55.468  | -10.9  | 108   | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 55.185  | -10.4  | 98    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 56.955  | -13.9  | 112   | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 59.082  | -18.2  | 116   | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 55.154  | -10.3  | 107   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 55.719  | -11.4# | 108   | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 56.724  | -13.4  | 111   | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 57.665  | -15.3  | 112   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 60.062  | -20.1  | 114   | 0.00     |

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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 Title : SW846 8260  
 QLast Update : Thu Oct 31 15:23:13 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) |
|-------|-----------------------------|----------|----------|--------|-------|----------|
| 49 T  | 1,4-Dioxane                 | 1000.000 | 1136.984 | -13.7  | 112   | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 55.667   | -11.3  | 104   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 307.447  | -23.0  | 117   | 0.00     |
| 52 CM | Toluene                     | 50.000   | 56.985   | -14.0# | 109   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 57.937   | -15.9  | 112   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 57.807   | -15.6  | 110   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 57.548   | -15.1  | 111   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 62.248   | -24.5  | 118   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 57.730   | -15.5  | 112   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 269.756  | -7.9   | 99    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 315.140  | -26.1# | 120   | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 58.361   | -16.7  | 114   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 57.275   | -14.5  | 113   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 57.739   | -15.5  | 107   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0    | 92    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 54.853   | -9.7   | 109   | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 55.192   | -10.4  | 109   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 56.788   | -13.6  | 112   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 55.219   | -10.4# | 108   | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 111.472  | -11.5  | 108   | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 55.637   | -11.3  | 109   | 0.00     |
| 70 T  | Styrene                     | 50.000   | 57.823   | -15.6  | 111   | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 61.017   | -22.0  | 119   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0    | 92    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 54.253   | -8.5   | 108   | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 59.414   | -18.8  | 118   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 56.261   | -12.5  | 115   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 48.657   | 2.7    | 98    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 54.613   | -9.2   | 109   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 54.688   | -9.4   | 109   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 54.332   | -8.7   | 109   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 55.337   | -10.7  | 109   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 58.136   | -16.3  | 118   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 55.652   | -11.3  | 110   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 55.575   | -11.2  | 107   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 55.610   | -11.2  | 110   | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 55.054   | -10.1  | 109   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 55.591   | -11.2  | 109   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 55.965   | -11.9  | 112   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 55.383   | -10.8  | 112   | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 55.882   | -11.8  | 109   | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 55.301   | -10.6  | 110   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 56.486   | -13.0  | 113   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 56.464   | -12.9  | 120   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 56.476   | -13.0  | 114   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 54.672   | -9.3   | 108   | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 59.774   | -19.5  | 118   | 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 | 55.824 | -11.6 | 116   | 0.00     |

(#) = Out of Range

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