

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY121924\  
 Data File : VY020645.D  
 Acq On : 19 Dec 2024 09:43  
 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 20 00:45:12 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    | 122   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 52.037  | -4.1   | 128   | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 47.172  | 5.7    | 124   | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 48.655  | 2.7#   | 138   | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 46.509  | 7.0    | 137   | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 46.795  | 6.4    | 143   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 50.536  | -1.1   | 140   | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 52.658  | -5.3   | 139   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 55.617  | -11.2  | 145   | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 56.369  | -12.7  | 142   | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 225.962 | 9.6    | 127   | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 54.148  | -8.3#  | 140   | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 168.296 | 32.7#  | 123   | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 51.348  | -2.7   | 134   | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 274.269 | -9.7   | 131   | 0.00     |
| 16 T  | Acetone                     | 250.000 | 249.644 | 0.1    | 134   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 54.388  | -8.8   | 139   | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 50.850  | -1.7   | 132   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 56.315  | -12.6  | 133   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 51.663  | -3.3   | 139   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 55.973  | -11.9  | 135   | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 54.016  | -8.0   | 128   | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 273.086 | -9.2   | 128   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 55.396  | -10.8  | 133   | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 251.894 | -0.8   | 126   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 52.067  | -4.1   | 132   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 55.409  | -10.8  | 134   | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 55.679  | -11.4  | 121   | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 271.132 | -8.5   | 128   | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 54.569  | -9.1#  | 125   | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 52.174  | -4.3   | 132   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 55.522  | -11.0  | 135   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 52.284  | -4.6   | 123   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0    | 117   | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 56.450  | -12.9  | 130   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 56.915  | -13.8  | 135   | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 53.805  | -7.6   | 128   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 57.572  | -15.1  | 137   | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 55.640  | -11.3  | 131   | 0.00     |
| 40 TM | Benzene                     | 50.000  | 55.955  | -11.9  | 133   | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 52.143  | -4.3   | 127   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 54.747  | -9.5   | 128   | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 55.280  | -10.6  | 128   | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 57.447  | -14.9  | 136   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 55.786  | -11.6# | 133   | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 55.885  | -11.8  | 132   | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 56.001  | -12.0  | 131   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 55.418  | -10.8  | 128   | 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

Quant Time: Dec 20 00:45:12 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) |
|-------|-----------------------------|----------|----------|--------|-------|----------|
| 49 T  | 1,4-Dioxane                 | 1000.000 | 1164.626 | -16.5  | 136   | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 55.973   | -11.9  | 127   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 269.490  | -7.8   | 128   | 0.00     |
| 52 CM | Toluene                     | 50.000   | 56.356   | -12.7# | 133   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 57.330   | -14.7  | 131   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 56.364   | -12.7  | 130   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 57.107   | -14.2  | 136   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 58.883   | -17.8  | 134   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 56.787   | -13.6  | 132   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 284.827  | -13.9  | 146   | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 277.291  | -10.9  | 127   | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 57.418   | -14.8  | 132   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 56.781   | -13.6  | 132   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 53.472   | -6.9   | 126   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0    | 114   | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 57.159   | -14.3  | 135   | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 57.381   | -14.8  | 133   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 57.723   | -15.4  | 133   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 56.821   | -13.6# | 131   | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 114.405  | -14.4  | 131   | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 57.438   | -14.9  | 130   | 0.00     |
| 70 T  | Styrene                     | 50.000   | 58.035   | -16.1  | 132   | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 58.631   | -17.3  | 133   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0    | 113   | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 57.692   | -15.4  | 130   | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 56.850   | -13.7  | 122   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 58.846   | -17.7  | 132   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 58.557   | -17.1  | 131   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 57.720   | -15.4  | 130   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 56.859   | -13.7  | 127   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 57.255   | -14.5  | 130   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 56.716   | -13.4  | 127   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 62.383   | -24.8  | 135   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 56.500   | -13.0  | 128   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 57.066   | -14.1  | 128   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 57.121   | -14.2  | 126   | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 56.081   | -12.2  | 125   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 57.008   | -14.0  | 126   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 56.738   | -13.5  | 129   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 55.759   | -11.5  | 127   | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 56.308   | -12.6  | 123   | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 56.563   | -13.1  | 127   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 56.390   | -12.8  | 128   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 56.200   | -12.4  | 128   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 56.165   | -12.3  | 123   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 55.442   | -10.9  | 122   | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 58.518   | -17.0  | 126   | 0.00     |

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ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
LabSampleId :  
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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 | 56.223 | -12.4 | 122   | 0.00     |

(#) = Out of Range

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