

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY120424\  
 Data File : VY020505.D  
 Acq On : 04 Dec 2024 10:07  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 LabSampleId :  
 VSTDCCC050

Quant Time: Dec 05 03:19:49 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   | 103   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 47.639  | 4.7   | 91    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 46.067  | 7.9   | 89    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 46.208  | 7.6#  | 89    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 46.730  | 6.5   | 93    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 45.047  | 9.9   | 90    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 44.765  | 10.5  | 90    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 46.598  | 6.8   | 96    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 43.702  | 12.6  | 90    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 46.167  | 7.7   | 89    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 257.637 | -3.1  | 105   | 0.01     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 44.840  | 10.3# | 90    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 211.405 | 15.4  | 97    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 44.368  | 11.3  | 90    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 241.043 | 3.6   | 96    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 273.210 | -9.3  | 97    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 47.023  | 6.0   | 87    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 47.976  | 4.0   | 95    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 47.309  | 5.4   | 95    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 45.704  | 8.6   | 94    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 44.390  | 11.2  | 91    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 45.061  | 9.9   | 92    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 238.658 | 4.5   | 93    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 43.669  | 12.7  | 91    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 257.190 | -2.9  | 95    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 43.581  | 12.8  | 91    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 45.184  | 9.6   | 93    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 53.659  | -7.3  | 103   | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 241.231 | 3.5   | 93    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 43.866  | 12.3# | 93    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 42.485  | 15.0  | 88    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 43.553  | 12.9  | 91    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 49.037  | 1.9   | 92    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 105   | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 49.043  | 1.9   | 93    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 43.750  | 12.5  | 88    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 48.269  | 3.5   | 97    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 44.159  | 11.7  | 90    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 44.690  | 10.6  | 89    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 43.939  | 12.1  | 91    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 46.802  | 6.4   | 88    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 47.057  | 5.9   | 95    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 47.877  | 4.2   | 94    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 43.981  | 12.0  | 92    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 43.713  | 12.6# | 93    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 46.810  | 6.4   | 96    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 44.948  | 10.1  | 95    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 48.474  | 3.1   | 95    | 0.00     |

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 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 LabSampleId :  
 VSTDCCC050

Quant Time: Dec 05 03:19:49 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) |
|-------|-----------------------------|----------|---------|-------|-------|----------|
| 49 T  | 1,4-Dioxane                 | 1000.000 | 898.547 | 10.1  | 86    | -0.01    |
| 50 S  | Toluene-d8                  | 50.000   | 48.152  | 3.7   | 91    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 244.543 | 2.2   | 95    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 45.070  | 9.9#  | 93    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 46.393  | 7.2   | 94    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 45.531  | 8.9   | 93    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 47.027  | 5.9   | 97    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 48.255  | 3.5   | 94    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 46.473  | 7.1   | 95    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 291.684 | -16.7 | 98    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 259.310 | -3.7  | 96    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 46.516  | 7.0   | 95    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 46.366  | 7.3   | 95    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 48.212  | 3.6   | 94    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0   | 107   | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 42.276  | 15.4  | 91    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 43.185  | 13.6  | 94    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 42.967  | 14.1  | 94    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 42.878  | 14.2# | 92    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 85.794  | 14.2  | 93    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 43.662  | 12.7  | 94    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 43.701  | 12.6  | 93    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 45.511  | 9.0   | 96    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0   | 105   | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 41.777  | 16.4  | 93    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 46.874  | 6.3   | 94    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 44.506  | 11.0  | 95    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 46.396  | 7.2   | 118   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 42.958  | 14.1  | 94    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 41.535  | 16.9  | 92    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 42.033  | 15.9  | 94    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 42.128  | 15.7  | 93    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 44.667  | 10.7  | 93    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 42.402  | 15.2  | 94    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 42.492  | 15.0  | 95    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 42.094  | 15.8  | 93    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 41.778  | 16.4  | 93    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 42.468  | 15.1  | 93    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 43.143  | 13.7  | 95    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 42.999  | 14.0  | 95    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 42.800  | 14.4  | 94    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 41.392  | 17.2  | 93    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 43.424  | 13.2  | 95    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 46.916  | 6.2   | 96    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 45.292  | 9.4   | 96    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 42.948  | 14.1  | 90    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 47.756  | 4.5   | 93    | 0.00     |

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ALS Vial : 3 Sample Multiplier: 1

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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 | 45.984 | 8.0  | 95    | 0.00     |

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