

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY051122\  
 Data File : VY008696.D  
 Acq On : 11 May 2022 10:25  
 Operator : KP/MD  
 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 LabSampleId :  
 VSTDCCC050

Quant Time: May 11 13:19:10 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y050922S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon May 09 19:21:20 2022  
 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   | 87    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 42.893  | 14.2  | 92    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 46.833  | 6.3   | 93    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 50.096  | -0.2# | 84    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 50.139  | -0.3  | 94    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 48.460  | 3.1   | 92    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 45.562  | 8.9   | 90    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 48.683  | 2.6   | 95    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 45.208  | 9.6   | 87    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 46.406  | 7.2   | 88    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 303.135 | -21.3 | 111   | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 46.144  | 7.7#  | 87    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 234.446 | 6.2   | 90    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 47.615  | 4.8   | 93    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 266.878 | -6.8  | 104   | 0.00     |
| 16 T  | Acetone                     | 250.000 | 275.021 | -10.0 | 105   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 45.865  | 8.3   | 86    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 53.452  | -6.9  | 105   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 50.097  | -0.2  | 97    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 47.441  | 5.1   | 93    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 46.677  | 6.6   | 89    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 49.991  | 0.0   | 93    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 275.520 | -10.2 | 99    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 47.753  | 4.5   | 91    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 275.233 | -10.1 | 106   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 47.988  | 4.0   | 91    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 48.579  | 2.8   | 92    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 50.915  | -1.8  | 95    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 276.040 | -10.4 | 111   | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 48.488  | 3.0#  | 92    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 44.324  | 11.4  | 87    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 48.279  | 3.4   | 92    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 52.320  | -4.6  | 96    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 86    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 52.253  | -4.5  | 95    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 47.099  | 5.8   | 88    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 55.657  | -11.3 | 110   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 48.555  | 2.9   | 90    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 46.896  | 6.2   | 87    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 48.635  | 2.7   | 90    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 55.583  | -11.2 | 107   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 51.172  | -2.3  | 95    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 54.522  | -9.0  | 104   | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 47.559  | 4.9   | 87    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 49.763  | 0.5#  | 92    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 51.308  | -2.6  | 96    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 50.776  | -1.6  | 94    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 54.254  | -8.5  | 105   | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY051122\  
 Data File : VY008696.D  
 Acq On : 11 May 2022 10:25  
 Operator : KP/MD  
 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 LabSampleId :  
 VSTDCCC050

Quant Time: May 11 13:19:10 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y050922S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon May 09 19:21:20 2022  
 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 | 1087.597 | -8.8  | 103   | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 51.788   | -3.6  | 93    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 285.793  | -14.3 | 110   | 0.00     |
| 52 CM | Toluene                     | 50.000   | 48.682   | 2.6#  | 91    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 50.927   | -1.9  | 94    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 50.201   | -0.4  | 92    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 51.770   | -3.5  | 97    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 54.801   | -9.6  | 99    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 51.537   | -3.1  | 96    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 279.563  | -11.8 | 101   | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 293.028  | -17.2 | 111   | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 52.087   | -4.2  | 96    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 51.674   | -3.3  | 96    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 51.011   | -2.0  | 93    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0   | 87    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 46.524   | 7.0   | 89    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 48.711   | 2.6   | 91    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 50.270   | -0.5  | 94    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 48.566   | 2.9#  | 90    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 97.595   | 2.4   | 91    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 48.970   | 2.1   | 90    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 50.251   | -0.5  | 91    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 53.687   | -7.4  | 100   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0   | 89    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 47.437   | 5.1   | 91    | 0.00     |
| 74 T  | N-ethyl acetate             | 50.000   | 54.342   | -8.7  | 105   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 51.829   | -3.7  | 102   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 46.325   | 7.3   | 103   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 48.216   | 3.6   | 93    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 47.698   | 4.6   | 90    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 48.153   | 3.7   | 92    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 48.273   | 3.5   | 91    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 53.120   | -6.2  | 102   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 47.910   | 4.2   | 91    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 49.666   | 0.7   | 91    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 48.510   | 3.0   | 92    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 49.089   | 1.8   | 93    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 48.983   | 2.0   | 92    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 48.215   | 3.6   | 92    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 48.577   | 2.8   | 94    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 49.143   | 1.7   | 92    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 48.739   | 2.5   | 92    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 48.999   | 2.0   | 94    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 52.267   | -4.5  | 109   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 49.564   | 0.9   | 94    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 49.727   | 0.5   | 94    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 53.447   | -6.9  | 103   | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY051122\  
Data File : VY008696.D  
Acq On : 11 May 2022 10:25  
Operator : KP/MD  
Sample : VSTDCCC050  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
LabSampleId :  
VSTDCCC050

Quant Time: May 11 13:19:10 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y050922S.M  
Quant Title : SW846 8260  
QLast Update : Mon May 09 19:21:20 2022  
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 | 51.011 | -2.0 | 98    | 0.00     |

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