

Data Path : Z:\voasrv\HPCHEM1\MSVOA D\Data\VD061920\  
 Data File : VD065821.D  
 Acq On : 19 Jun 2020 11:28  
 Operator : VA/SY  
 Sample : VSTDCCC050  
 Misc : 5.00G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 LabSampleId :  
 VSTDCCC050

Quant Time: Jun 20 07:54:06 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D060520S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 05 13:07:30 2020  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 20% Max. Rel. Area : 150%

|       | Compound                    | Amount  | Calc.   | %Dev  | Area% | Dev(min) |
|-------|-----------------------------|---------|---------|-------|-------|----------|
| 1 I   | Pentafluorobenzene          | 50.000  | 50.000  | 0.0   | 88    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 41.505  | 17.0  | 75    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 47.507  | 5.0   | 80    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 43.437  | 13.1# | 80    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 42.039  | 15.9  | 80    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 45.053  | 9.9   | 83    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 43.267  | 13.5  | 81    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 42.516  | 15.0  | 74    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 44.257  | 11.5  | 82    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 43.076  | 13.8  | 73    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 200.203 | 19.9  | 73    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 43.818  | 12.4# | 80    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 215.556 | 13.8  | 83    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 43.895  | 12.2  | 78    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 211.129 | 15.5  | 73    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 279.350 | -11.7 | 101   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 41.032  | 17.9  | 75    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 45.694  | 8.6   | 79    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 43.686  | 12.6  | 76    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 48.860  | 2.3   | 85    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 43.320  | 13.4  | 78    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 45.890  | 8.2   | 79    | -0.01    |
| 23 T  | Vinyl Acetate               | 250.000 | 231.278 | 7.5   | 76    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 43.607  | 12.8  | 79    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 237.727 | 4.9   | 81    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 45.133  | 9.7   | 81    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 44.849  | 10.3  | 78    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 52.507  | -5.0  | 91    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 223.662 | 10.5  | 78    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 44.327  | 11.3# | 80    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 42.601  | 14.8  | 80    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 45.052  | 9.9   | 81    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 48.601  | 2.8   | 85    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 90    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 47.390  | 5.2   | 83    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 44.817  | 10.4  | 80    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 43.828  | 12.3  | 76    | -0.01    |
| 38 T  | Carbon Tetrachloride        | 50.000  | 46.499  | 7.0   | 83    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 45.259  | 9.5   | 80    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 44.682  | 10.6  | 80    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 46.238  | 7.5   | 72    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 43.389  | 13.2  | 77    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 43.766  | 12.5  | 76    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 43.434  | 13.1  | 78    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 44.200  | 11.6# | 78    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA D\Data\VD061920\  
 Data File : VD065821.D  
 Acq On : 19 Jun 2020 11:28  
 Operator : VA/SY  
 Sample : VSTDCCC050  
 Misc : 5.00G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 LabSampleId :  
 VSTDCCC050

Quant Time: Jun 20 07:54:06 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D060520S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 05 13:07:30 2020  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 20% Max. Rel. Area : 150%

|       | Compound                    | Amount   | Calc.   | %Dev | Area% | Dev(min) |
|-------|-----------------------------|----------|---------|------|-------|----------|
| 46 T  | Dibromomethane              | 50.000   | 44.314  | 11.4 | 78    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000   | 43.510  | 13.0 | 78    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000   | 46.473  | 7.1  | 78    | 0.00     |
| 49 T  | 1,4-Dioxane                 | 1000.000 | 825.283 | 17.5 | 69    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 49.889  | 0.2  | 85    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 226.023 | 9.6  | 78    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 45.480  | 9.0# | 80    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 44.408  | 11.2 | 77    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 45.302  | 9.4  | 78    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 44.162  | 11.7 | 77    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 45.032  | 9.9  | 76    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 44.064  | 11.9 | 77    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 265.374 | -6.1 | 90    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 240.969 | 3.6  | 81    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 45.658  | 8.7  | 79    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 43.819  | 12.4 | 76    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 49.229  | 1.5  | 85    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0  | 89    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 43.293  | 13.4 | 80    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 44.456  | 11.1 | 79    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 43.947  | 12.1 | 77    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 46.073  | 7.9# | 81    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 91.630  | 8.4  | 80    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 46.867  | 6.3  | 81    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 46.822  | 6.4  | 79    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 43.931  | 12.1 | 76    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0  | 88    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 47.422  | 5.2  | 82    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 44.245  | 11.5 | 76    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 44.128  | 11.7 | 79    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 46.348  | 7.3  | 89    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 44.040  | 11.9 | 75    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 47.359  | 5.3  | 82    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 46.694  | 6.6  | 81    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 47.410  | 5.2  | 81    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 45.846  | 8.3  | 79    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 46.473  | 7.1  | 82    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 47.899  | 4.2  | 82    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 47.838  | 4.3  | 82    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 48.252  | 3.5  | 83    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 48.717  | 2.6  | 83    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 45.477  | 9.0  | 81    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 44.804  | 10.4 | 79    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 48.300  | 3.4  | 84    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA D\Data\VD061920\  
Data File : VD065821.D  
Acq On : 19 Jun 2020 11:28  
Operator : VA/SY  
Sample : VSTDCCC050  
Misc : 5.00G/5.00ml/MSVOA D/SOIL  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
LabSampleId :  
VSTDCCC050

Quant Time: Jun 20 07:54:06 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D060520S.M  
Quant Title : SW846 8260  
QLast Update : Fri Jun 05 13:07:30 2020  
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
Max. RRF Dev : 20% Max. Rel. Area : 150%

|      | Compound                    | Amount | Calc.  | %Dev | Area% | Dev(min) |
|------|-----------------------------|--------|--------|------|-------|----------|
| 90 T | Hexachloroethane            | 50.000 | 46.979 | 6.0  | 82    | 0.00     |
| 91 T | 1,2-Dichlorobenzene         | 50.000 | 45.734 | 8.5  | 80    | 0.00     |
| 92 T | 1,2-Dibromo-3-Chloropropane | 50.000 | 44.370 | 11.3 | 79    | 0.00     |
| 93 T | 1,2,4-Trichlorobenzene      | 50.000 | 44.786 | 10.4 | 77    | 0.00     |
| 94 T | Hexachlorobutadiene         | 50.000 | 44.427 | 11.1 | 78    | 0.00     |
| 95 T | Naphthalene                 | 50.000 | 44.661 | 10.7 | 75    | 0.00     |
| 96 T | 1,2,3-Trichlorobenzene      | 50.000 | 44.972 | 10.1 | 76    | 0.00     |

(#) = Out of Range

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