

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD050922\  
 Data File : VD072902.D  
 Acq On : 09 May 2022 20:41  
 Operator : VA/SY  
 Sample : VSTDCCC050  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 LabSampleId :  
 VSTDCCC050

Quant Time: May 10 01:38:07 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D050222S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 03 08:33:49 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   | 95    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 44.231  | 11.5  | 85    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 45.981  | 8.0   | 91    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 48.723  | 2.6#  | 91    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 53.524  | -7.0  | 100   | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 49.741  | 0.5   | 97    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 48.769  | 2.5   | 94    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 53.402  | -6.8  | 104   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 48.571  | 2.9   | 94    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 51.742  | -3.5  | 94    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 247.483 | 1.0   | 110   | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 50.201  | -0.4# | 96    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 205.799 | 17.7  | 80    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 55.604  | -11.2 | 104   | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 264.110 | -5.6  | 101   | 0.00     |
| 16 T  | Acetone                     | 250.000 | 243.129 | 2.7   | 80    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 46.293  | 7.4   | 88    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 52.873  | -5.7  | 101   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 55.799  | -11.6 | 102   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 53.685  | -7.4  | 101   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 51.273  | -2.5  | 96    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 56.711  | -13.4 | 104   | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 275.221 | -10.1 | 100   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 53.626  | -7.3  | 104   | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 254.358 | -1.7  | 94    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 51.940  | -3.9  | 98    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 53.303  | -6.6  | 102   | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 53.034  | -6.1  | 97    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 265.603 | -6.2  | 99    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 53.248  | -6.5# | 104   | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 47.210  | 5.6   | 89    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 52.323  | -4.6  | 99    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 51.508  | -3.0  | 102   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 99    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 52.600  | -5.2  | 104   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 51.622  | -3.2  | 97    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 51.469  | -2.9  | 97    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 50.502  | -1.0  | 97    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 49.266  | 1.5   | 93    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 52.264  | -4.5  | 101   | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 51.611  | -3.2  | 91    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 52.228  | -4.5  | 102   | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 54.374  | -8.7  | 102   | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 49.981  | 0.0   | 97    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 52.702  | -5.4# | 101   | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 51.452  | -2.9  | 100   | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 52.317  | -4.6  | 101   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 52.610  | -5.2  | 96    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD050922\  
 Data File : VD072902.D  
 Acq On : 09 May 2022 20:41  
 Operator : VA/SY  
 Sample : VSTDCCC050  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 LabSampleId :  
 VSTDCCC050

Quant Time: May 10 01:38:07 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D050222S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 03 08:33:49 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 | 1004.427 | -0.4   | 99    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 51.226   | -2.5   | 100   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 269.371  | -7.7   | 100   | 0.00     |
| 52 CM | Toluene                     | 50.000   | 55.048   | -10.1# | 102   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 53.077   | -6.2   | 100   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 53.752   | -7.5   | 103   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 51.816   | -3.6   | 100   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 54.773   | -9.5   | 97    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 52.398   | -4.8   | 102   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 286.729  | -14.7  | 102   | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 268.565  | -7.4   | 94    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 51.437   | -2.9   | 100   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 50.362   | -0.7   | 97    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 52.303   | -4.6   | 101   | 0.00     |
|       |                             |          |          |        |       |          |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0    | 97    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 48.520   | 3.0    | 94    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 52.177   | -4.4   | 100   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 52.936   | -5.9   | 100   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 54.754   | -9.5#  | 101   | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 108.059  | -8.1   | 98    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 54.756   | -9.5   | 99    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 55.491   | -11.0  | 100   | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 49.322   | 1.4    | 94    | 0.00     |
|       |                             |          |          |        |       |          |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0    | 93    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 56.299   | -12.6  | 100   | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 55.431   | -10.9  | 99    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 51.185   | -2.4   | 98    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 53.086   | -6.2   | 94    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 54.099   | -8.2   | 99    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 54.989   | -10.0  | 97    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 55.373   | -10.7  | 101   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 56.196   | -12.4  | 99    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 52.485   | -5.0   | 94    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 54.845   | -9.7   | 100   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 55.963   | -11.9  | 99    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 56.001   | -12.0  | 100   | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 55.177   | -10.4  | 98    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 55.415   | -10.8  | 97    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 52.271   | -4.5   | 98    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 51.964   | -3.9   | 98    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 54.090   | -8.2   | 95    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 53.051   | -6.1   | 99    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 52.465   | -4.9   | 97    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 50.383   | -0.8   | 95    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 52.723   | -5.4   | 94    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 48.777   | 2.4    | 91    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 56.765   | -13.5  | 98    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD050922\  
Data File : VD072902.D  
Acq On : 09 May 2022 20:41  
Operator : VA/SY  
Sample : VSTDCCC050  
Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
LabSampleId :  
VSTDCCC050

Quant Time: May 10 01:38:07 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D050222S.M  
Quant Title : SW846 8260  
QLast Update : Tue May 03 08:33:49 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 | 52.819 | -5.6 | 94    | 0.00     |

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