

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD012921\  
 Data File : VD068234.D  
 Acq On : 29 Jan 2021 12:24  
 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: Jan 30 00:00:44 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D011921S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 19 13:19:08 2021  
 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                    | AvgRF | CCRF  | %Dev  | Area% | Dev(min) |
|-------|-----------------------------|-------|-------|-------|-------|----------|
| 1 I   | Pentafluorobenzene          | 1.000 | 1.000 | 0.0   | 62    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 0.594 | 0.527 | 11.3  | 57    | 0.00     |
| 3 P   | Chloromethane               | 0.640 | 0.613 | 4.2   | 62    | 0.00     |
| 4 C   | Vinyl Chloride              | 0.711 | 0.746 | -4.9# | 65    | 0.00     |
| 5 T   | Bromomethane                | 0.488 | 0.481 | 1.4   | 63    | 0.00     |
| 6 T   | Chloroethane                | 0.435 | 0.465 | -6.9  | 66    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 0.934 | 0.888 | 4.9   | 60    | 0.00     |
| 8 T   | Diethyl Ether               | 0.275 | 0.247 | 10.2  | 56    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 0.545 | 0.540 | 0.9   | 62    | 0.00     |
| 10 T  | Methyl Iodide               | 0.527 | 0.540 | -2.5  | 54    | 0.00     |
| 11 T  | Tert butyl alcohol          | 0.065 | 0.029 | 55.4# | 43#   | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 0.548 | 0.532 | 2.9#  | 60    | 0.00     |
| 13 T  | Acrolein                    | 0.038 | 0.036 | 5.3   | 63    | 0.00     |
| 14 T  | Allyl chloride              | 0.797 | 0.729 | 8.5   | 56    | 0.00     |
| 15 T  | Acrylonitrile               | 0.109 | 0.103 | 5.5   | 56    | 0.00     |
| 16 T  | Acetone                     | 0.085 | 0.099 | -16.5 | 70    | 0.00     |
| 17 T  | Carbon Disulfide            | 1.764 | 1.627 | 7.8   | 57    | 0.00     |
| 18 T  | Methyl Acetate              | 0.222 | 0.219 | 1.4   | 60    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 1.266 | 1.153 | 8.9   | 55    | 0.00     |
| 20 T  | Methylene Chloride          | 0.684 | 0.585 | 14.5  | 60    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 0.629 | 0.597 | 5.1   | 59    | 0.00     |
| 22 T  | Diisopropyl ether           | 1.608 | 1.518 | 5.6   | 57    | 0.00     |
| 23 T  | Vinyl Acetate               | 0.857 | 0.802 | 6.4   | 55    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 1.042 | 1.016 | 2.5   | 60    | 0.00     |
| 25 T  | 2-Butanone                  | 0.129 | 0.121 | 6.2   | 58    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 0.986 | 0.925 | 6.2   | 58    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 0.683 | 0.662 | 3.1   | 59    | 0.00     |
| 28 T  | Bromochloromethane          | 0.355 | 0.317 | 10.7  | 60    | 0.00     |
| 29 T  | Tetrahydrofuran             | 0.083 | 0.075 | 9.6   | 54    | 0.00     |
| 30 C  | Chloroform                  | 1.053 | 1.027 | 2.5#  | 60    | 0.00     |
| 31 T  | Cyclohexane                 | 1.036 | 0.940 | 9.3   | 58    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 0.949 | 0.920 | 3.1   | 60    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 0.478 | 0.405 | 15.3  | 56    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0   | 62    | 0.00     |
| 35 S  | Dibromofluoromethane        | 0.276 | 0.252 | 8.7   | 58    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 0.504 | 0.489 | 3.0   | 60    | 0.00     |
| 37 T  | Ethyl Acetate               | 0.178 | 0.161 | 9.6   | 55    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 0.472 | 0.465 | 1.5   | 60    | 0.00     |
| 39 T  | Methylcyclohexane           | 0.659 | 0.634 | 3.8   | 59    | 0.00     |
| 40 TM | Benzene                     | 1.410 | 1.371 | 2.8   | 60    | 0.00     |
| 41 T  | Methacrylonitrile           | 0.108 | 0.107 | 0.9   | 58    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 0.377 | 0.357 | 5.3   | 58    | 0.00     |
| 43 T  | Isopropyl Acetate           | 0.372 | 0.328 | 11.8  | 54    | 0.00     |
| 44 TM | Trichloroethene             | 0.387 | 0.372 | 3.9   | 59    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 0.345 | 0.333 | 3.5#  | 59    | 0.00     |
| 46 T  | Dibromomethane              | 0.175 | 0.167 | 4.6   | 57    | 0.00     |
| 47 T  | Bromodichloromethane        | 0.472 | 0.453 | 4.0   | 58    | 0.00     |
| 48 T  | Methyl methacrylate         | 0.185 | 0.165 | 10.8  | 53    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD012921\  
 Data File : VD068234.D  
 Acq On : 29 Jan 2021 12:24  
 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: Jan 30 00:00:44 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D011921S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 19 13:19:08 2021  
 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                    | AvgRF | CCRF  | %Dev | Area% | Dev(min) |
|-------|-----------------------------|-------|-------|------|-------|----------|
| 49 T  | 1,4-Dioxane                 | 0.002 | 0.002 | 0.0  | 56    | 0.00     |
| 50 S  | Toluene-d8                  | 1.106 | 0.937 | 15.3 | 58    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 0.173 | 0.161 | 6.9  | 56    | 0.00     |
| 52 CM | Toluene                     | 0.919 | 0.876 | 4.7# | 59    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 0.478 | 0.441 | 7.7  | 56    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 0.569 | 0.523 | 8.1  | 56    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 0.248 | 0.237 | 4.4  | 58    | 0.00     |
| 56 T  | Ethyl methacrylate          | 0.330 | 0.296 | 10.3 | 54    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 0.437 | 0.412 | 5.7  | 57    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 0.152 | 0.147 | 3.3  | 63    | 0.00     |
| 59 T  | 2-Hexanone                  | 0.120 | 0.114 | 5.0  | 58    | 0.00     |
| 60 T  | Dibromochloromethane        | 0.311 | 0.291 | 6.4  | 57    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 0.245 | 0.226 | 7.8  | 56    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 0.398 | 0.334 | 16.1 | 55    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 1.000 | 1.000 | 0.0  | 61    | 0.00     |
| 64 T  | Tetrachloroethene           | 0.352 | 0.333 | 5.4  | 58    | 0.00     |
| 65 PM | Chlorobenzene               | 1.062 | 1.026 | 3.4  | 58    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 0.374 | 0.360 | 3.7  | 57    | 0.00     |
| 67 C  | Ethyl Benzene               | 1.967 | 1.930 | 1.9# | 59    | 0.00     |
| 68 T  | m/p-Xylenes                 | 0.743 | 0.720 | 3.1  | 58    | 0.00     |
| 69 T  | o-Xylene                    | 0.690 | 0.669 | 3.0  | 58    | 0.00     |
| 70 T  | Styrene                     | 1.177 | 1.128 | 4.2  | 57    | 0.00     |
| 71 P  | Bromoform                   | 0.189 | 0.176 | 6.9  | 55    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0  | 62    | 0.00     |
| 73 T  | Isopropylbenzene            | 4.160 | 4.073 | 2.1  | 59    | 0.00     |
| 74 T  | N-amyl acetate              | 0.865 | 0.764 | 11.7 | 53    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 0.662 | 0.634 | 4.2  | 57    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 0.483 | 0.405 | 16.1 | 46#   | 0.00     |
| 77 T  | Bromobenzene                | 0.892 | 0.834 | 6.5  | 56    | 0.00     |
| 78 T  | n-propylbenzene             | 4.922 | 4.836 | 1.7  | 60    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 2.764 | 2.639 | 4.5  | 58    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 3.465 | 3.301 | 4.7  | 58    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 0.239 | 0.211 | 11.7 | 53    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 2.874 | 2.726 | 5.1  | 58    | 0.00     |
| 83 T  | tert-Butylbenzene           | 2.936 | 2.850 | 2.9  | 58    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 3.439 | 3.253 | 5.4  | 58    | 0.00     |
| 85 T  | sec-Butylbenzene            | 4.107 | 4.053 | 1.3  | 60    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 3.736 | 3.620 | 3.1  | 59    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 1.715 | 1.639 | 4.4  | 58    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 1.690 | 1.618 | 4.3  | 58    | 0.00     |
| 89 T  | n-Butylbenzene              | 3.585 | 3.523 | 1.7  | 60    | 0.00     |
| 90 T  | Hexachloroethane            | 0.675 | 0.655 | 3.0  | 58    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 1.469 | 1.387 | 5.6  | 56    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 0.108 | 0.094 | 13.0 | 52    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 1.007 | 0.946 | 6.1  | 56    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 0.558 | 0.533 | 4.5  | 58    | 0.00     |
| 95 T  | Naphthalene                 | 1.888 | 1.732 | 8.3  | 55    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD012921\  
Data File : VD068234.D  
Acq On : 29 Jan 2021 12:24  
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: Jan 30 00:00:44 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D011921S.M  
Quant Title : SW846 8260  
QLast Update : Tue Jan 19 13:19:08 2021  
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               | AvgRF | CCRF  | %Dev | Area% | Dev(min) |
|------|------------------------|-------|-------|------|-------|----------|
| 96 T | 1,2,3-Trichlorobenzene | 0.849 | 0.801 | 5.7  | 56    | 0.00     |

(#) = Out of Range

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