

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD072621\  
 Data File : VD069859.D  
 Acq On : 26 Jul 2021 20:39  
 Operator : VA/SY  
 Sample : VSTDCCC050  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 LabSampleId :  
 VSTDCCC050

Quant Time: Jul 27 05:14:23 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D072221S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jul 23 04:51:13 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   | 107   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 0.526 | 0.434 | 17.5  | 99    | 0.00     |
| 3 P   | Chloromethane               | 0.763 | 0.661 | 13.4  | 104   | 0.00     |
| 4 C   | Vinyl Chloride              | 0.803 | 0.706 | 12.1# | 101   | 0.00     |
| 5 T   | Bromomethane                | 0.526 | 0.475 | 9.7   | 111   | 0.00     |
| 6 T   | Chloroethane                | 0.520 | 0.484 | 6.9   | 107   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 0.991 | 0.873 | 11.9  | 102   | 0.00     |
| 8 T   | Diethyl Ether               | 0.279 | 0.307 | -10.0 | 122   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 0.630 | 0.558 | 11.4  | 104   | 0.00     |
| 10 T  | Methyl Iodide               | 0.550 | 0.598 | -8.7  | 107   | 0.00     |
| 11 T  | Tert butyl alcohol          | 0.030 | 0.031 | -3.3  | 126   | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 0.572 | 0.547 | 4.4#  | 106   | 0.00     |
| 13 T  | Acrolein                    | 0.042 | 0.043 | -2.4  | 119   | 0.00     |
| 14 T  | Allyl chloride              | 0.839 | 0.853 | -1.7  | 110   | 0.00     |
| 15 T  | Acrylonitrile               | 0.131 | 0.140 | -6.9  | 121   | 0.00     |
| 16 T  | Acetone                     | 0.104 | 0.094 | 9.6   | 97    | 0.00     |
| 17 T  | Carbon Disulfide            | 2.045 | 1.841 | 10.0  | 102   | 0.00     |
| 18 T  | Methyl Acetate              | 0.301 | 0.303 | -0.7  | 124   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 1.185 | 1.377 | -16.2 | 126   | 0.00     |
| 20 T  | Methylene Chloride          | 0.946 | 0.800 | 15.4  | 114   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 0.674 | 0.673 | 0.1   | 109   | 0.00     |
| 22 T  | Diisopropyl ether           | 1.823 | 2.001 | -9.8  | 116   | 0.00     |
| 23 T  | Vinyl Acetate               | 0.873 | 0.999 | -14.4 | 117   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 1.259 | 1.249 | 0.8   | 112   | 0.00     |
| 25 T  | 2-Butanone                  | 0.141 | 0.151 | -7.1  | 117   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 0.957 | 0.924 | 3.4   | 108   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 0.719 | 0.764 | -6.3  | 118   | 0.00     |
| 28 T  | Bromochloromethane          | 0.478 | 0.472 | 1.3   | 108   | 0.00     |
| 29 T  | Tetrahydrofuran             | 0.091 | 0.104 | -14.3 | 122   | 0.00     |
| 30 C  | Chloroform                  | 1.266 | 1.257 | 0.7#  | 114   | 0.00     |
| 31 T  | Cyclohexane                 | 1.124 | 0.996 | 11.4  | 101   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 1.048 | 1.011 | 3.5   | 108   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 0.575 | 0.561 | 2.4   | 117   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0   | 113   | 0.00     |
| 35 S  | Dibromofluoromethane        | 0.315 | 0.307 | 2.5   | 115   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 0.540 | 0.497 | 8.0   | 106   | 0.00     |
| 37 T  | Ethyl Acetate               | 0.196 | 0.196 | 0.0   | 116   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 0.493 | 0.450 | 8.7   | 107   | 0.00     |
| 39 T  | Methylcyclohexane           | 0.618 | 0.568 | 8.1   | 101   | 0.00     |
| 40 TM | Benzene                     | 1.563 | 1.512 | 3.3   | 113   | 0.00     |
| 41 T  | Methacrylonitrile           | 0.103 | 0.104 | -1.0  | 122   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 0.413 | 0.408 | 1.2   | 117   | 0.00     |
| 43 T  | Isopropyl Acetate           | 0.352 | 0.374 | -6.3  | 124   | 0.00     |
| 44 TM | Trichloroethene             | 0.385 | 0.363 | 5.7   | 112   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 0.411 | 0.393 | 4.4#  | 114   | 0.00     |
| 46 T  | Dibromomethane              | 0.202 | 0.200 | 1.0   | 118   | 0.00     |
| 47 T  | Bromodichloromethane        | 0.524 | 0.521 | 0.6   | 117   | 0.00     |
| 48 T  | Methyl methacrylate         | 0.169 | 0.185 | -9.5  | 120   | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD072621\  
 Data File : VD069859.D  
 Acq On : 26 Jul 2021 20:39  
 Operator : VA/SY  
 Sample : VSTDCCC050  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 LabSampleId :  
 VSTDCCC050

Quant Time: Jul 27 05:14:23 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D072221S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jul 23 04:51:13 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   | 127   | 0.00     |
| 50 S  | Toluene-d8                  | 1.215 | 1.149 | 5.4   | 111   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 0.183 | 0.196 | -7.1  | 120   | 0.00     |
| 52 CM | Toluene                     | 0.948 | 0.943 | 0.5#  | 112   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 0.440 | 0.452 | -2.7  | 121   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 0.533 | 0.536 | -0.6  | 120   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 0.285 | 0.280 | 1.8   | 118   | 0.00     |
| 56 T  | Ethyl methacrylate          | 0.312 | 0.350 | -12.2 | 126   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 0.482 | 0.494 | -2.5  | 120   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 0.134 | 0.159 | -18.7 | 124   | 0.00     |
| 59 T  | 2-Hexanone                  | 0.121 | 0.133 | -9.9  | 120   | 0.00     |
| 60 T  | Dibromochloromethane        | 0.323 | 0.328 | -1.5  | 120   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 0.257 | 0.261 | -1.6  | 120   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 0.406 | 0.401 | 1.2   | 116   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 1.000 | 1.000 | 0.0   | 113   | 0.00     |
| 64 T  | Tetrachloroethene           | 0.319 | 0.297 | 6.9   | 108   | 0.00     |
| 65 PM | Chlorobenzene               | 1.036 | 1.027 | 0.9   | 117   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 0.373 | 0.370 | 0.8   | 116   | 0.00     |
| 67 C  | Ethyl Benzene               | 1.824 | 1.868 | -2.4# | 114   | 0.00     |
| 68 T  | m/p-Xylenes                 | 0.707 | 0.722 | -2.1  | 112   | 0.00     |
| 69 T  | o-Xylene                    | 0.643 | 0.674 | -4.8  | 116   | 0.00     |
| 70 T  | Styrene                     | 1.114 | 1.186 | -6.5  | 116   | 0.00     |
| 71 P  | Bromoform                   | 0.181 | 0.186 | -2.8  | 120   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0   | 112   | 0.00     |
| 73 T  | Isopropylbenzene            | 3.593 | 3.751 | -4.4  | 112   | 0.00     |
| 74 T  | N-amyl acetate              | 0.739 | 0.806 | -9.1  | 121   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 0.717 | 0.723 | -0.8  | 119   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 0.531 | 0.497 | 6.4   | 119   | 0.00     |
| 77 T  | Bromobenzene                | 0.809 | 0.847 | -4.7  | 119   | 0.00     |
| 78 T  | n-propylbenzene             | 4.614 | 4.725 | -2.4  | 109   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 2.680 | 2.768 | -3.3  | 114   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 3.073 | 3.205 | -4.3  | 111   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 0.175 | 0.190 | -8.6  | 119   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 2.802 | 2.862 | -2.1  | 112   | 0.00     |
| 83 T  | tert-Butylbenzene           | 2.499 | 2.602 | -4.1  | 112   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 3.032 | 3.208 | -5.8  | 114   | 0.00     |
| 85 T  | sec-Butylbenzene            | 3.950 | 4.008 | -1.5  | 109   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 3.209 | 3.300 | -2.8  | 110   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 1.699 | 1.682 | 1.0   | 114   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 1.693 | 1.661 | 1.9   | 115   | 0.00     |
| 89 T  | n-Butylbenzene              | 3.167 | 3.117 | 1.6   | 106   | 0.00     |
| 90 T  | Hexachloroethane            | 0.680 | 0.669 | 1.6   | 115   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 1.466 | 1.473 | -0.5  | 115   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 0.103 | 0.106 | -2.9  | 118   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 0.791 | 0.834 | -5.4  | 119   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 0.484 | 0.465 | 3.9   | 108   | 0.00     |
| 95 T  | Naphthalene                 | 1.412 | 1.629 | -15.4 | 127   | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD072621\  
Data File : VD069859.D  
Acq On : 26 Jul 2021 20:39  
Operator : VA/SY  
Sample : VSTDCCC050  
Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
LabSampleId :  
VSTDCCC050

Quant Time: Jul 27 05:14:23 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D072221S.M  
Quant Title : SW846 8260  
QLast Update : Fri Jul 23 04:51:13 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 | 0.684 | 0.752 | -9.9 | 122   | 0.00     |

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