

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD051321\  
 Data File : VD069166.D  
 Acq On : 13 May 2021 19:25  
 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 14 01:24:24 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D051221S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 13 04:01:29 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   | 109   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 0.532 | 0.480 | 9.8   | 98    | 0.00     |
| 3 P   | Chloromethane               | 0.611 | 0.588 | 3.8   | 109   | 0.00     |
| 4 C   | Vinyl Chloride              | 0.805 | 0.721 | 10.4# | 94    | 0.00     |
| 5 T   | Bromomethane                | 0.606 | 0.594 | 2.0   | 114   | 0.00     |
| 6 T   | Chloroethane                | 0.518 | 0.545 | -5.2  | 110   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 0.982 | 0.889 | 9.5   | 100   | 0.00     |
| 8 T   | Diethyl Ether               | 0.224 | 0.260 | -16.1 | 117   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 0.557 | 0.523 | 6.1   | 101   | 0.00     |
| 10 T  | Methyl Iodide               | 0.531 | 0.522 | 1.7   | 91    | 0.00     |
| 11 T  | Tert butyl alcohol          | 0.034 | 0.033 | 2.9   | 132   | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 0.500 | 0.500 | 0.0   | 103   | 0.00     |
| 13 T  | Acrolein                    | 0.041 | 0.041 | 0.0   | 102   | 0.00     |
| 14 T  | Allyl chloride              | 0.549 | 0.592 | -7.8  | 112   | 0.00     |
| 15 T  | Acrylonitrile               | 0.084 | 0.095 | -13.1 | 116   | 0.00     |
| 16 T  | Acetone                     | 0.077 | 0.071 | 7.8   | 92    | 0.00     |
| 17 T  | Carbon Disulfide            | 1.658 | 1.596 | 3.7   | 103   | 0.00     |
| 18 T  | Methyl Acetate              | 0.187 | 0.206 | -10.2 | 112   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 0.908 | 1.091 | -20.2 | 118   | 0.00     |
| 20 T  | Methylene Chloride          | 0.813 | 0.688 | 15.4  | 109   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 0.593 | 0.615 | -3.7  | 108   | 0.00     |
| 22 T  | Diisopropyl ether           | 1.096 | 1.246 | -13.7 | 112   | 0.00     |
| 23 T  | Vinyl Acetate               | 0.647 | 0.766 | -18.4 | 112   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 0.947 | 1.005 | -6.1  | 112   | 0.00     |
| 25 T  | 2-Butanone                  | 0.104 | 0.116 | -11.5 | 112   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 0.885 | 0.851 | 3.8   | 101   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 0.644 | 0.693 | -7.6  | 114   | 0.00     |
| 28 T  | Bromochloromethane          | 0.338 | 0.361 | -6.8  | 114   | 0.00     |
| 29 T  | Tetrahydrofuran             | 0.057 | 0.066 | -15.8 | 113   | 0.00     |
| 30 C  | Chloroform                  | 1.066 | 1.104 | -3.6# | 109   | 0.00     |
| 31 T  | Cyclohexane                 | 0.743 | 0.697 | 6.2   | 104   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 0.967 | 0.951 | 1.7   | 104   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 0.501 | 0.513 | -2.4  | 119   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0   | 114   | 0.00     |
| 35 S  | Dibromofluoromethane        | 0.325 | 0.322 | 0.9   | 116   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 0.486 | 0.481 | 1.0   | 106   | 0.00     |
| 37 T  | Ethyl Acetate               | 0.156 | 0.152 | 2.6   | 104   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 0.543 | 0.509 | 6.3   | 102   | 0.00     |
| 39 T  | Methylcyclohexane           | 0.513 | 0.508 | 1.0   | 103   | 0.00     |
| 40 TM | Benzene                     | 1.392 | 1.420 | -2.0  | 111   | 0.00     |
| 41 T  | Methacrylonitrile           | 0.083 | 0.076 | 8.4   | 102   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 0.380 | 0.393 | -3.4  | 110   | 0.00     |
| 43 T  | Isopropyl Acetate           | 0.284 | 0.322 | -13.4 | 118   | 0.00     |
| 44 TM | Trichloroethene             | 0.389 | 0.388 | 0.3   | 107   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 0.329 | 0.341 | -3.6# | 113   | 0.00     |
| 46 T  | Dibromomethane              | 0.196 | 0.205 | -4.6  | 111   | 0.00     |
| 47 T  | Bromodichloromethane        | 0.500 | 0.512 | -2.4  | 108   | 0.00     |
| 48 T  | Methyl methacrylate         | 0.131 | 0.146 | -11.5 | 115   | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD051321\  
 Data File : VD069166.D  
 Acq On : 13 May 2021 19:25  
 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 14 01:24:24 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D051221S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 13 04:01:29 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   | 109   | 0.00     |
| 50 S  | Toluene-d8                  | 1.196 | 1.212 | -1.3  | 118   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 0.146 | 0.167 | -14.4 | 115   | 0.00     |
| 52 CM | Toluene                     | 0.899 | 0.931 | -3.6# | 107   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 0.439 | 0.467 | -6.4  | 111   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 0.525 | 0.541 | -3.0  | 111   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 0.265 | 0.278 | -4.9  | 112   | 0.00     |
| 56 T  | Ethyl methacrylate          | 0.264 | 0.317 | -20.1 | 117   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 0.428 | 0.459 | -7.2  | 112   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 0.131 | 0.146 | -11.5 | 112   | 0.00     |
| 59 T  | 2-Hexanone                  | 0.097 | 0.112 | -15.5 | 114   | 0.00     |
| 60 T  | Dibromochloromethane        | 0.340 | 0.356 | -4.7  | 112   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 0.262 | 0.271 | -3.4  | 108   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 0.385 | 0.402 | -4.4  | 120   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 1.000 | 1.000 | 0.0   | 115   | 0.00     |
| 64 T  | Tetrachloroethene           | 0.347 | 0.334 | 3.7   | 104   | 0.00     |
| 65 PM | Chlorobenzene               | 1.036 | 1.049 | -1.3  | 110   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 0.391 | 0.396 | -1.3  | 111   | 0.00     |
| 67 C  | Ethyl Benzene               | 1.783 | 1.840 | -3.2# | 108   | 0.00     |
| 68 T  | m/p-Xylenes                 | 0.699 | 0.723 | -3.4  | 108   | 0.00     |
| 69 T  | o-Xylene                    | 0.622 | 0.664 | -6.8  | 108   | 0.00     |
| 70 T  | Styrene                     | 1.085 | 1.165 | -7.4  | 110   | 0.00     |
| 71 P  | Bromoform                   | 0.203 | 0.209 | -3.0  | 111   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0   | 110   | 0.00     |
| 73 T  | Isopropylbenzene            | 3.495 | 3.716 | -6.3  | 106   | 0.00     |
| 74 T  | N-amyl acetate              | 0.572 | 0.665 | -16.3 | 115   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 0.633 | 0.665 | -5.1  | 107   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 0.376 | 0.438 | -16.5 | 111   | 0.00     |
| 77 T  | Bromobenzene                | 0.829 | 0.899 | -8.4  | 111   | 0.00     |
| 78 T  | n-propylbenzene             | 4.217 | 4.460 | -5.8  | 105   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 2.346 | 2.507 | -6.9  | 109   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 2.881 | 3.134 | -8.8  | 107   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 0.186 | 0.196 | -5.4  | 109   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 2.499 | 2.610 | -4.4  | 107   | 0.00     |
| 83 T  | tert-Butylbenzene           | 2.401 | 2.658 | -10.7 | 109   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 2.899 | 3.108 | -7.2  | 105   | 0.00     |
| 85 T  | sec-Butylbenzene            | 3.611 | 3.818 | -5.7  | 104   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 3.172 | 3.383 | -6.7  | 104   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 1.678 | 1.730 | -3.1  | 106   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 1.662 | 1.711 | -2.9  | 109   | 0.00     |
| 89 T  | n-Butylbenzene              | 2.956 | 3.093 | -4.6  | 101   | 0.00     |
| 90 T  | Hexachloroethane            | 0.594 | 0.587 | 1.2   | 103   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 1.441 | 1.534 | -6.5  | 108   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 0.098 | 0.100 | -2.0  | 111   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 0.883 | 0.943 | -6.8  | 109   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 0.530 | 0.508 | 4.2   | 100   | 0.00     |
| 95 T  | Naphthalene                 | 1.480 | 1.758 | -18.8 | 112   | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD051321\  
Data File : VD069166.D  
Acq On : 13 May 2021 19:25  
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 14 01:24:24 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D051221S.M  
Quant Title : SW846 8260  
QLast Update : Thu May 13 04:01:29 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 | 0.756 | 0.823 | -8.9 | 108   | 0.00     |

(#) = Out of Range                      SPCC's out = 0    CCC's out = 5