

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD011922\  
 Data File : VD071736.D  
 Acq On : 19 Jan 2022 09:33  
 Operator : VA/SY  
 Sample : VSTDCCC050  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 LabSampleId :  
 VSTDCCC050

Quant Time: Jan 20 04:55:21 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D010722S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jan 07 15:39:14 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                    | AvgRF | CCRF  | %Dev  | Area% | Dev(min) |
|-------|-----------------------------|-------|-------|-------|-------|----------|
| 1 I   | Pentafluorobenzene          | 1.000 | 1.000 | 0.0   | 97    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 0.411 | 0.350 | 14.8  | 94    | 0.00     |
| 3 P   | Chloromethane               | 0.541 | 0.446 | 17.6  | 91    | 0.00     |
| 4 C   | Vinyl Chloride              | 0.622 | 0.532 | 14.5# | 92    | 0.00     |
| 5 T   | Bromomethane                | 0.467 | 0.374 | 19.9  | 97    | 0.00     |
| 6 T   | Chloroethane                | 0.443 | 0.389 | 12.2  | 96    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 0.881 | 0.798 | 9.4   | 100   | 0.00     |
| 8 T   | Diethyl Ether               | 0.232 | 0.193 | 16.8  | 87    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 0.515 | 0.478 | 7.2   | 99    | 0.00     |
| 10 T  | Methyl Iodide               | 0.493 | 0.394 | 20.1  | 78    | 0.00     |
| 11 T  | Tert butyl alcohol          | 0.061 | 0.025 | 59.0# | 77    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 0.447 | 0.391 | 12.5# | 93    | 0.00     |
| 13 T  | Acrolein                    | 0.063 | 0.040 | 36.5# | 61    | 0.00     |
| 14 T  | Allyl chloride              | 0.886 | 0.802 | 9.5   | 98    | 0.00     |
| 15 T  | Acrylonitrile               | 0.122 | 0.106 | 13.1  | 90    | 0.00     |
| 16 T  | Acetone                     | 0.149 | 0.145 | 2.7   | 98    | 0.00     |
| 17 T  | Carbon Disulfide            | 1.186 | 0.947 | 20.2  | 87    | 0.00     |
| 18 T  | Methyl Acetate              | 0.465 | 0.374 | 19.6  | 90    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 1.180 | 1.000 | 15.3  | 88    | 0.00     |
| 20 T  | Methylene Chloride          | 0.652 | 0.482 | 26.1# | 92    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 0.510 | 0.448 | 12.2  | 93    | 0.00     |
| 22 T  | Diisopropyl ether           | 1.908 | 1.731 | 9.3   | 92    | 0.00     |
| 23 T  | Vinyl Acetate               | 0.891 | 0.808 | 9.3   | 90    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 1.089 | 0.985 | 9.6   | 95    | 0.00     |
| 25 T  | 2-Butanone                  | 0.175 | 0.155 | 11.4  | 93    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 0.915 | 0.887 | 3.1   | 102   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 0.602 | 0.553 | 8.1   | 94    | 0.00     |
| 28 T  | Bromochloromethane          | 0.531 | 0.485 | 8.7   | 90    | 0.00     |
| 29 T  | Tetrahydrofuran             | 0.101 | 0.086 | 14.9  | 88    | 0.00     |
| 30 C  | Chloroform                  | 1.114 | 1.049 | 5.8#  | 99    | 0.00     |
| 31 T  | Cyclohexane                 | 0.959 | 0.797 | 16.9  | 93    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 0.982 | 0.941 | 4.2   | 101   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 0.643 | 0.673 | -4.7  | 97    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0   | 93    | 0.00     |
| 35 S  | Dibromofluoromethane        | 0.330 | 0.370 | -12.1 | 103   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 0.471 | 0.456 | 3.2   | 98    | 0.00     |
| 37 T  | Ethyl Acetate               | 0.219 | 0.201 | 8.2   | 91    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 0.477 | 0.486 | -1.9  | 102   | 0.00     |
| 39 T  | Methylcyclohexane           | 0.509 | 0.474 | 6.9   | 92    | 0.00     |
| 40 TM | Benzene                     | 1.299 | 1.235 | 4.9   | 95    | 0.00     |
| 41 T  | Methacrylonitrile           | 0.143 | 0.114 | 20.3  | 97    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 0.440 | 0.402 | 8.6   | 92    | 0.00     |
| 43 T  | Isopropyl Acetate           | 0.412 | 0.383 | 7.0   | 92    | 0.00     |
| 44 TM | Trichloroethene             | 0.334 | 0.314 | 6.0   | 95    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 0.351 | 0.344 | 2.0#  | 97    | 0.00     |
| 46 T  | Dibromomethane              | 0.180 | 0.168 | 6.7   | 92    | 0.00     |
| 47 T  | Bromodichloromethane        | 0.493 | 0.491 | 0.4   | 97    | 0.00     |
| 48 T  | Methyl methacrylate         | 0.208 | 0.177 | 14.9  | 91    | 0.00     |

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 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 LabSampleID :  
 VSTDCCC050

Quant Time: Jan 20 04:55:21 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D010722S.M  
 Quant Title : SW846 8260  
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 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   | 87    | 0.00     |
| 50 S  | Toluene-d8                  | 1.237 | 1.404 | -13.5 | 100   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 0.218 | 0.206 | 5.5   | 92    | 0.00     |
| 52 CM | Toluene                     | 0.817 | 0.809 | 1.0#  | 97    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 0.433 | 0.432 | 0.2   | 100   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 0.510 | 0.489 | 4.1   | 95    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 0.236 | 0.234 | 0.8   | 96    | 0.00     |
| 56 T  | Ethyl methacrylate          | 0.289 | 0.272 | 5.9   | 89    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 0.435 | 0.416 | 4.4   | 96    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 0.159 | 0.144 | 9.4   | 87    | 0.00     |
| 59 T  | 2-Hexanone                  | 0.152 | 0.153 | -0.7  | 96    | 0.00     |
| 60 T  | Dibromochloromethane        | 0.300 | 0.297 | 1.0   | 96    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 0.225 | 0.207 | 8.0   | 90    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 0.436 | 0.464 | -6.4  | 98    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 1.000 | 1.000 | 0.0   | 93    | 0.00     |
| 64 T  | Tetrachloroethene           | 0.294 | 0.284 | 3.4   | 97    | 0.00     |
| 65 PM | Chlorobenzene               | 0.957 | 0.898 | 6.2   | 94    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 0.363 | 0.352 | 3.0   | 100   | 0.00     |
| 67 C  | Ethyl Benzene               | 1.757 | 1.725 | 1.8#  | 95    | 0.00     |
| 68 T  | m/p-Xylenes                 | 0.653 | 0.664 | -1.7  | 98    | 0.00     |
| 69 T  | o-Xylene                    | 0.618 | 0.606 | 1.9   | 97    | 0.00     |
| 70 T  | Styrene                     | 1.060 | 1.050 | 0.9   | 95    | 0.00     |
| 71 P  | Bromoform                   | 0.177 | 0.174 | 1.7   | 96    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0   | 94    | 0.00     |
| 73 T  | Isopropylbenzene            | 3.593 | 3.469 | 3.5   | 96    | 0.00     |
| 74 T  | N-amyl acetate              | 0.881 | 0.804 | 8.7   | 91    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 0.637 | 0.579 | 9.1   | 94    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 0.483 | 0.503 | -4.1  | 117   | 0.00     |
| 77 T  | Bromobenzene                | 0.776 | 0.722 | 7.0   | 96    | 0.00     |
| 78 T  | n-propylbenzene             | 4.519 | 4.445 | 1.6   | 98    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 2.547 | 2.470 | 3.0   | 98    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 3.002 | 2.908 | 3.1   | 96    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 0.173 | 0.165 | 4.6   | 99    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 2.642 | 2.565 | 2.9   | 96    | 0.00     |
| 83 T  | tert-Butylbenzene           | 2.565 | 2.508 | 2.2   | 97    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 2.969 | 2.930 | 1.3   | 98    | 0.00     |
| 85 T  | sec-Butylbenzene            | 3.929 | 3.927 | 0.1   | 97    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 3.226 | 3.263 | -1.1  | 99    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 1.602 | 1.549 | 3.3   | 98    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 1.634 | 1.492 | 8.7   | 94    | 0.00     |
| 89 T  | n-Butylbenzene              | 3.231 | 3.227 | 0.1   | 98    | 0.00     |
| 90 T  | Hexachloroethane            | 0.638 | 0.640 | -0.3  | 103   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 1.373 | 1.307 | 4.8   | 96    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 0.102 | 0.094 | 7.8   | 98    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 0.791 | 0.766 | 3.2   | 96    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 0.464 | 0.455 | 1.9   | 100   | 0.00     |
| 95 T  | Naphthalene                 | 1.401 | 1.289 | 8.0   | 89    | 0.00     |

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Quant Title : SW846 8260  
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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 | 0.674 | 0.651 | 3.4  | 97    | 0.00     |

(#) = Out of Range

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