

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY011422\  
 Data File : VY007156.D  
 Acq On : 14 Jan 2022 09:33  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 LabSampleId :  
 VSTDCCC050

Quant Time: Jan 14 13:45:20 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y011322S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jan 14 05:48:29 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   | 100   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 0.175 | 0.186 | -6.3  | 104   | 0.00     |
| 3 P   | Chloromethane               | 0.368 | 0.330 | 10.3  | 98    | 0.00     |
| 4 C   | Vinyl Chloride              | 0.535 | 0.553 | -3.4# | 103   | 0.00     |
| 5 T   | Bromomethane                | 0.346 | 0.371 | -7.2  | 101   | 0.00     |
| 6 T   | Chloroethane                | 0.334 | 0.337 | -0.9  | 99    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 0.577 | 0.530 | 8.1   | 92    | 0.00     |
| 8 T   | Diethyl Ether               | 0.318 | 0.335 | -5.3  | 103   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 0.562 | 0.557 | 0.9   | 98    | 0.00     |
| 10 T  | Methyl Iodide               | 0.831 | 0.840 | -1.1  | 100   | 0.00     |
| 11 T  | Tert butyl alcohol          | 0.058 | 0.059 | -1.7  | 117   | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 0.566 | 0.563 | 0.5#  | 101   | 0.00     |
| 13 T  | Acrolein                    | 0.015 | 0.012 | 20.0  | 103   | 0.00     |
| 14 T  | Allyl chloride              | 0.907 | 0.944 | -4.1  | 103   | 0.00     |
| 15 T  | Acrylonitrile               | 0.153 | 0.169 | -10.5 | 108   | 0.00     |
| 16 T  | Acetone                     | 0.159 | 0.179 | -12.6 | 111   | 0.00     |
| 17 T  | Carbon Disulfide            | 1.571 | 1.571 | 0.0   | 101   | 0.00     |
| 18 T  | Methyl Acetate              | 0.567 | 0.578 | -1.9  | 108   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 1.114 | 1.170 | -5.0  | 103   | 0.00     |
| 20 T  | Methylene Chloride          | 0.658 | 0.621 | 5.6   | 102   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 0.613 | 0.616 | -0.5  | 101   | 0.00     |
| 22 T  | Diisopropyl ether           | 1.838 | 1.940 | -5.5  | 103   | 0.00     |
| 23 T  | Vinyl Acetate               | 1.081 | 1.219 | -12.8 | 107   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 1.118 | 1.149 | -2.8  | 102   | 0.00     |
| 25 T  | 2-Butanone                  | 0.206 | 0.235 | -14.1 | 113   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 0.815 | 0.816 | -0.1  | 101   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 0.696 | 0.710 | -2.0  | 102   | 0.00     |
| 28 T  | Bromochloromethane          | 0.404 | 0.480 | -18.8 | 107   | 0.00     |
| 29 T  | Tetrahydrofuran             | 0.132 | 0.151 | -14.4 | 112   | 0.00     |
| 30 C  | Chloroform                  | 1.162 | 1.209 | -4.0# | 103   | 0.00     |
| 31 T  | Cyclohexane                 | 1.037 | 0.999 | 3.7   | 102   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 0.993 | 1.023 | -3.0  | 102   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 0.614 | 0.619 | -0.8  | 103   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0   | 100   | 0.00     |
| 35 S  | Dibromofluoromethane        | 0.338 | 0.335 | 0.9   | 99    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 0.540 | 0.548 | -1.5  | 102   | 0.00     |
| 37 T  | Ethyl Acetate               | 0.277 | 0.312 | -12.6 | 108   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 0.568 | 0.580 | -2.1  | 102   | 0.00     |
| 39 T  | Methylcyclohexane           | 0.659 | 0.665 | -0.9  | 100   | 0.00     |
| 40 TM | Benzene                     | 1.440 | 1.485 | -3.1  | 101   | 0.00     |
| 41 T  | Methacrylonitrile           | 0.160 | 0.165 | -3.1  | 113   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 0.454 | 0.492 | -8.4  | 106   | 0.00     |
| 43 T  | Isopropyl Acetate           | 0.539 | 0.603 | -11.9 | 108   | 0.00     |
| 44 TM | Trichloroethene             | 0.390 | 0.400 | -2.6  | 100   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 0.366 | 0.381 | -4.1# | 103   | 0.00     |
| 46 T  | Dibromomethane              | 0.217 | 0.231 | -6.5  | 104   | 0.00     |
| 47 T  | Bromodichloromethane        | 0.532 | 0.569 | -7.0  | 104   | 0.00     |
| 48 T  | Methyl methacrylate         | 0.245 | 0.270 | -10.2 | 109   | 0.00     |

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 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 LabSampleId :  
 VSTDCCC050

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 Quant Title : SW846 8260  
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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 | 0.003 | -50.0# | 107   | 0.00     |
| 50 S  | Toluene-d8                  | 1.235 | 1.221 | 1.1    | 99    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 0.273 | 0.313 | -14.7  | 111   | 0.00     |
| 52 CM | Toluene                     | 0.913 | 0.950 | -4.1#  | 101   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 0.562 | 0.614 | -9.3   | 104   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 0.629 | 0.669 | -6.4   | 102   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 0.294 | 0.309 | -5.1   | 102   | 0.00     |
| 56 T  | Ethyl methacrylate          | 0.414 | 0.462 | -11.6  | 108   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 0.512 | 0.548 | -7.0   | 104   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 0.188 | 0.182 | 3.2    | 98    | 0.00     |
| 59 T  | 2-Hexanone                  | 0.186 | 0.214 | -15.1  | 113   | 0.00     |
| 60 T  | Dibromochloromethane        | 0.361 | 0.388 | -7.5   | 104   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 0.289 | 0.313 | -8.3   | 104   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 0.439 | 0.441 | -0.5   | 102   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 1.000 | 1.000 | 0.0    | 100   | 0.00     |
| 64 T  | Tetrachloroethene           | 0.360 | 0.357 | 0.8    | 100   | 0.00     |
| 65 PM | Chlorobenzene               | 1.093 | 1.122 | -2.7   | 101   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 0.405 | 0.419 | -3.5   | 100   | 0.00     |
| 67 C  | Ethyl Benzene               | 2.055 | 2.122 | -3.3#  | 102   | 0.00     |
| 68 T  | m/p-Xylenes                 | 0.764 | 0.783 | -2.5   | 101   | 0.00     |
| 69 T  | o-Xylene                    | 0.719 | 0.748 | -4.0   | 103   | 0.00     |
| 70 T  | Styrene                     | 1.213 | 1.290 | -6.3   | 103   | 0.00     |
| 71 P  | Bromoform                   | 0.234 | 0.256 | -9.4   | 105   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0    | 102   | 0.00     |
| 73 T  | Isopropylbenzene            | 4.319 | 4.392 | -1.7   | 102   | 0.00     |
| 74 T  | N-amyl acetate              | 1.155 | 1.322 | -14.5  | 112   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 0.840 | 0.913 | -8.7   | 108   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 0.570 | 0.755 | -32.5# | 115   | 0.00     |
| 77 T  | Bromobenzene                | 0.940 | 0.976 | -3.8   | 104   | 0.00     |
| 78 T  | n-propylbenzene             | 5.353 | 5.446 | -1.7   | 103   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 2.977 | 3.062 | -2.9   | 103   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 3.546 | 3.585 | -1.1   | 102   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 0.311 | 0.349 | -12.2  | 108   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 3.105 | 3.197 | -3.0   | 103   | 0.00     |
| 83 T  | tert-Butylbenzene           | 3.064 | 3.188 | -4.0   | 104   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 3.515 | 3.586 | -2.0   | 102   | 0.00     |
| 85 T  | sec-Butylbenzene            | 4.584 | 4.642 | -1.3   | 102   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 3.767 | 3.840 | -1.9   | 102   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 1.839 | 1.893 | -2.9   | 104   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 1.849 | 1.882 | -1.8   | 103   | 0.00     |
| 89 T  | n-Butylbenzene              | 3.709 | 3.835 | -3.4   | 104   | 0.00     |
| 90 T  | Hexachloroethane            | 0.736 | 0.757 | -2.9   | 102   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 1.637 | 1.669 | -2.0   | 103   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 0.145 | 0.150 | -3.4   | 106   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 0.995 | 1.046 | -5.1   | 106   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 0.513 | 0.516 | -0.6   | 104   | 0.00     |
| 95 T  | Naphthalene                 | 2.114 | 2.292 | -8.4   | 110   | 0.00     |

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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 | 0.895 | -5.4 | 108   | 0.00     |

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