

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY072922\  
 Data File : VY009787.D  
 Acq On : 29 Jul 2022 20:56  
 Operator : KP/MD  
 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 LabSampleId :  
 VSTDCCC050

Quant Time: Aug 01 01:17:54 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y072622S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jul 27 04:24:58 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   | 62    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 0.445 | 0.395 | 11.2  | 59    | 0.00     |
| 3 P   | Chloromethane               | 0.545 | 0.591 | -8.4  | 67    | 0.00     |
| 4 C   | Vinyl Chloride              | 0.608 | 0.658 | -8.2# | 67    | 0.00     |
| 5 T   | Bromomethane                | 0.422 | 0.475 | -12.6 | 70    | 0.00     |
| 6 T   | Chloroethane                | 0.364 | 0.429 | -17.9 | 72    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 0.803 | 0.762 | 5.1   | 60    | 0.00     |
| 8 T   | Diethyl Ether               | 0.260 | 0.246 | 5.4   | 59    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 0.454 | 0.425 | 6.4   | 59    | 0.00     |
| 10 T  | Methyl Iodide               | 0.590 | 0.573 | 2.9   | 56    | 0.00     |
| 11 T  | Tert butyl alcohol          | 0.053 | 0.043 | 18.9  | 58    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 0.427 | 0.397 | 7.0#  | 57    | 0.00     |
| 13 T  | Acrolein                    | 0.009 | 0.009 | 0.0   | 78    | 0.00     |
| 14 T  | Allyl chloride              | 0.672 | 0.604 | 10.1  | 56    | 0.00     |
| 15 T  | Acrylonitrile               | 0.125 | 0.130 | -4.0  | 64    | 0.00     |
| 16 T  | Acetone                     | 0.120 | 0.098 | 18.3  | 43#   | 0.00     |
| 17 T  | Carbon Disulfide            | 1.314 | 1.215 | 7.5   | 56    | 0.00     |
| 18 T  | Methyl Acetate              | 0.347 | 0.308 | 11.2  | 65    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 1.166 | 1.163 | 0.3   | 60    | 0.00     |
| 20 T  | Methylene Chloride          | 0.789 | 0.568 | 28.0# | 63    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 0.496 | 0.478 | 3.6   | 59    | 0.00     |
| 22 T  | Diisopropyl ether           | 1.430 | 1.436 | -0.4  | 61    | 0.00     |
| 23 T  | Vinyl Acetate               | 0.886 | 0.945 | -6.7  | 61    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 0.829 | 0.817 | 1.4   | 62    | 0.00     |
| 25 T  | 2-Butanone                  | 0.176 | 0.171 | 2.8   | 55    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 0.788 | 0.654 | 17.0  | 53    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 0.557 | 0.548 | 1.6   | 61    | 0.00     |
| 28 T  | Bromochloromethane          | 0.299 | 0.322 | -7.7  | 68    | 0.00     |
| 29 T  | Tetrahydrofuran             | 0.112 | 0.118 | -5.4  | 63    | 0.00     |
| 30 C  | Chloroform                  | 0.867 | 0.868 | -0.1# | 63    | 0.00     |
| 31 T  | Cyclohexane                 | 0.796 | 0.697 | 12.4  | 56    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 0.778 | 0.757 | 2.7   | 60    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 0.384 | 0.345 | 10.2  | 67    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0   | 62    | 0.00     |
| 35 S  | Dibromofluoromethane        | 0.272 | 0.264 | 2.9   | 66    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 0.442 | 0.431 | 2.5   | 59    | 0.00     |
| 37 T  | Ethyl Acetate               | 0.262 | 0.267 | -1.9  | 62    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 0.474 | 0.474 | 0.0   | 61    | 0.00     |
| 39 T  | Methylcyclohexane           | 0.548 | 0.539 | 1.6   | 58    | 0.00     |
| 40 TM | Benzene                     | 1.311 | 1.324 | -1.0  | 62    | 0.00     |
| 41 T  | Methacrylonitrile           | 0.134 | 0.116 | 13.4  | 52    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 0.366 | 0.383 | -4.6  | 64    | 0.00     |
| 43 T  | Isopropyl Acetate           | 0.458 | 0.482 | -5.2  | 63    | 0.00     |
| 44 TM | Trichloroethene             | 0.376 | 0.371 | 1.3   | 61    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 0.318 | 0.337 | -6.0# | 64    | 0.00     |
| 46 T  | Dibromomethane              | 0.189 | 0.210 | -11.1 | 67    | 0.00     |
| 47 T  | Bromodichloromethane        | 0.435 | 0.486 | -11.7 | 67    | 0.00     |
| 48 T  | Methyl methacrylate         | 0.201 | 0.211 | -5.0  | 61    | 0.00     |

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 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 LabSampleId :  
 VSTDCCC050

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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# | 66    | 0.00     |
| 50 S  | Toluene-d8                  | 0.911 | 0.822 | 9.8    | 72    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 0.233 | 0.268 | -15.0  | 72    | 0.00     |
| 52 CM | Toluene                     | 0.821 | 0.902 | -9.9#  | 70    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 0.449 | 0.481 | -7.1   | 67    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 0.516 | 0.536 | -3.9   | 61    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 0.268 | 0.293 | -9.3   | 71    | 0.00     |
| 56 T  | Ethyl methacrylate          | 0.334 | 0.378 | -13.2  | 69    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 0.436 | 0.462 | -6.0   | 69    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 0.145 | 0.181 | -24.8  | 65    | 0.00     |
| 59 T  | 2-Hexanone                  | 0.166 | 0.186 | -12.0  | 66    | 0.00     |
| 60 T  | Dibromochloromethane        | 0.324 | 0.351 | -8.3   | 70    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 0.261 | 0.275 | -5.4   | 68    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 0.361 | 0.370 | -2.5   | 65    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 1.000 | 1.000 | 0.0    | 64    | 0.00     |
| 64 T  | Tetrachloroethene           | 0.394 | 0.406 | -3.0   | 68    | 0.00     |
| 65 PM | Chlorobenzene               | 1.003 | 0.963 | 4.0    | 62    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 0.373 | 0.373 | 0.0    | 64    | 0.00     |
| 67 C  | Ethyl Benzene               | 1.734 | 1.694 | 2.3#   | 61    | 0.00     |
| 68 T  | m/p-Xylenes                 | 0.688 | 0.686 | 0.3    | 62    | 0.00     |
| 69 T  | o-Xylene                    | 0.644 | 0.650 | -0.9   | 62    | 0.00     |
| 70 T  | Styrene                     | 1.082 | 1.122 | -3.7   | 63    | 0.00     |
| 71 P  | Bromoform                   | 0.238 | 0.253 | -6.3   | 66    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0    | 69    | 0.00     |
| 73 T  | Isopropylbenzene            | 3.324 | 3.039 | 8.6    | 61    | 0.00     |
| 74 T  | N-amyl acetate              | 0.859 | 0.835 | 2.8    | 61    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 0.654 | 0.634 | 3.1    | 65    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 0.464 | 0.438 | 5.6    | 62    | 0.00     |
| 77 T  | Bromobenzene                | 0.825 | 0.799 | 3.2    | 65    | 0.00     |
| 78 T  | n-propylbenzene             | 3.950 | 3.714 | 6.0    | 62    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 2.235 | 2.036 | 8.9    | 61    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 2.755 | 2.595 | 5.8    | 62    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 0.233 | 0.214 | 8.2    | 60    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 2.325 | 2.117 | 8.9    | 61    | 0.00     |
| 83 T  | tert-Butylbenzene           | 2.476 | 2.286 | 7.7    | 62    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 2.777 | 2.586 | 6.9    | 63    | 0.00     |
| 85 T  | sec-Butylbenzene            | 3.635 | 3.354 | 7.7    | 62    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 3.074 | 2.884 | 6.2    | 62    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 1.667 | 1.575 | 5.5    | 65    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 1.678 | 1.555 | 7.3    | 65    | 0.00     |
| 89 T  | n-Butylbenzene              | 2.816 | 2.591 | 8.0    | 61    | 0.00     |
| 90 T  | Hexachloroethane            | 0.605 | 0.549 | 9.3    | 64    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 1.489 | 1.408 | 5.4    | 65    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 0.110 | 0.105 | 4.5    | 65    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 0.939 | 0.864 | 8.0    | 63    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 0.569 | 0.522 | 8.3    | 65    | 0.00     |
| 95 T  | Naphthalene                 | 1.761 | 1.760 | 0.1    | 65    | 0.00     |

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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) |
|------|------------------------|-------|-------|------|-------|----------|
| 96 T | 1,2,3-Trichlorobenzene | 0.822 | 0.782 | 4.9  | 66    | 0.00     |

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