

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY102524\  
 Data File : VY020017.D  
 Acq On : 25 Oct 2024 11:04  
 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: Oct 26 00:17:19 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100924S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 16 05:44:48 2024  
 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    | 57    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 0.465 | 0.413 | 11.2   | 52    | 0.00     |
| 3 P   | Chloromethane               | 0.606 | 0.625 | -3.1   | 58    | 0.00     |
| 4 C   | Vinyl Chloride              | 0.667 | 0.735 | -10.2# | 61    | 0.00     |
| 5 T   | Bromomethane                | 0.422 | 0.468 | -10.9  | 62    | 0.00     |
| 6 T   | Chloroethane                | 0.448 | 0.521 | -16.3  | 65    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 0.992 | 1.064 | -7.3   | 61    | 0.00     |
| 8 T   | Diethyl Ether               | 0.301 | 0.324 | -7.6   | 59    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 0.577 | 0.630 | -9.2   | 62    | 0.01     |
| 10 T  | Methyl Iodide               | 0.584 | 0.553 | 5.3    | 50#   | 0.00     |
| 11 T  | Tert butyl alcohol          | 0.058 | 0.049 | 15.5   | 56    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 0.536 | 0.553 | -3.2#  | 58    | 0.01     |
| 13 T  | Acrolein                    | 0.045 | 0.023 | 48.9#  | 33#   | 0.01     |
| 14 T  | Allyl chloride              | 0.968 | 1.083 | -11.9  | 61    | 0.00     |
| 15 T  | Acrylonitrile               | 0.138 | 0.164 | -18.8  | 65    | 0.00     |
| 16 T  | Acetone                     | 0.160 | 0.201 | -25.6# | 67    | 0.00     |
| 17 T  | Carbon Disulfide            | 1.438 | 1.221 | 15.1   | 45#   | 0.00     |
| 18 T  | Methyl Acetate              | 0.345 | 0.429 | -24.3  | 70    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 1.541 | 1.752 | -13.7  | 64    | 0.00     |
| 20 T  | Methylene Chloride          | 0.647 | 0.661 | -2.2   | 61    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 0.584 | 0.607 | -3.9   | 57    | 0.01     |
| 22 T  | Diisopropyl ether           | 2.108 | 2.571 | -22.0  | 68    | 0.00     |
| 23 T  | Vinyl Acetate               | 1.209 | 1.436 | -18.8  | 64    | 0.01     |
| 24 P  | 1,1-Dichloroethane          | 1.172 | 1.370 | -16.9  | 65    | 0.00     |
| 25 T  | 2-Butanone                  | 0.215 | 0.260 | -20.9  | 67    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 1.044 | 1.168 | -11.9  | 64    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 0.721 | 0.817 | -13.3  | 63    | 0.00     |
| 28 T  | Bromochloromethane          | 0.516 | 0.602 | -16.7  | 65    | 0.00     |
| 29 T  | Tetrahydrofuran             | 0.122 | 0.141 | -15.6  | 63    | 0.00     |
| 30 C  | Chloroform                  | 1.195 | 1.438 | -20.3# | 67    | 0.00     |
| 31 T  | Cyclohexane                 | 1.029 | 1.047 | -1.7   | 59    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 1.047 | 1.216 | -16.1  | 65    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 0.616 | 0.590 | 4.2    | 58    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0    | 58    | 0.00     |
| 35 S  | Dibromofluoromethane        | 0.330 | 0.327 | 0.9    | 59    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 0.475 | 0.524 | -10.3  | 61    | 0.00     |
| 37 T  | Ethyl Acetate               | 0.248 | 0.285 | -14.9  | 64    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 0.510 | 0.578 | -13.3  | 63    | 0.00     |
| 39 T  | Methylcyclohexane           | 0.599 | 0.647 | -8.0   | 59    | 0.00     |
| 40 TM | Benzene                     | 1.439 | 1.651 | -14.7  | 64    | 0.00     |
| 41 T  | Methacrylonitrile           | 0.134 | 0.160 | -19.4  | 59    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 0.413 | 0.489 | -18.4  | 66    | 0.00     |
| 43 T  | Isopropyl Acetate           | 0.505 | 0.582 | -15.2  | 64    | 0.00     |
| 44 TM | Trichloroethene             | 0.348 | 0.380 | -9.2   | 60    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 0.360 | 0.433 | -20.3# | 68    | 0.00     |
| 46 T  | Dibromomethane              | 0.197 | 0.225 | -14.2  | 64    | 0.00     |
| 47 T  | Bromodichloromethane        | 0.522 | 0.638 | -22.2  | 68    | 0.00     |
| 48 T  | Methyl methacrylate         | 0.222 | 0.267 | -20.3  | 65    | 0.00     |

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 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 LabSampleId :  
 VSTDCCC050

Quant Time: Oct 26 00:17:19 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100924S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 16 05:44:48 2024  
 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    | 60    | 0.00     |
| 50 S  | Toluene-d8                  | 1.218 | 1.187 | 2.5    | 58    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 0.258 | 0.322 | -24.8  | 69    | 0.00     |
| 52 CM | Toluene                     | 0.898 | 1.061 | -18.2# | 65    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 0.470 | 0.557 | -18.5  | 65    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 0.554 | 0.656 | -18.4  | 66    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 0.259 | 0.307 | -18.5  | 66    | 0.00     |
| 56 T  | Ethyl methacrylate          | 0.372 | 0.439 | -18.0  | 63    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 0.455 | 0.543 | -19.3  | 66    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 0.173 | 0.196 | -13.3  | 66    | 0.00     |
| 59 T  | 2-Hexanone                  | 0.184 | 0.233 | -26.6# | 69    | 0.00     |
| 60 T  | Dibromochloromethane        | 0.333 | 0.394 | -18.3  | 66    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 0.234 | 0.265 | -13.2  | 62    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 0.440 | 0.430 | 2.3    | 58    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 1.000 | 1.000 | 0.0    | 59    | 0.00     |
| 64 T  | Tetrachloroethene           | 0.356 | 0.367 | -3.1   | 59    | 0.00     |
| 65 PM | Chlorobenzene               | 1.144 | 1.310 | -14.5  | 66    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 0.387 | 0.448 | -15.8  | 67    | 0.00     |
| 67 C  | Ethyl Benzene               | 2.077 | 2.436 | -17.3# | 66    | 0.00     |
| 68 T  | m/p-Xylenes                 | 0.767 | 0.892 | -16.3  | 66    | 0.00     |
| 69 T  | o-Xylene                    | 0.737 | 0.858 | -16.4  | 66    | 0.00     |
| 70 T  | Styrene                     | 1.244 | 1.472 | -18.3  | 67    | 0.00     |
| 71 P  | Bromoform                   | 0.207 | 0.238 | -15.0  | 64    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0    | 60    | 0.00     |
| 73 T  | Isopropylbenzene            | 4.206 | 4.826 | -14.7  | 68    | 0.00     |
| 74 T  | N-amyl acetate              | 1.114 | 1.278 | -14.7  | 65    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 0.747 | 0.886 | -18.6  | 70    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 0.979 | 0.649 | 33.7#  | 39#   | 0.00     |
| 77 T  | Bromobenzene                | 0.892 | 0.958 | -7.4   | 63    | 0.00     |
| 78 T  | n-propylbenzene             | 5.082 | 5.949 | -17.1  | 69    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 2.913 | 3.300 | -13.3  | 67    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 3.396 | 3.880 | -14.3  | 67    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 0.243 | 0.275 | -13.2  | 66    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 2.979 | 3.444 | -15.6  | 68    | 0.00     |
| 83 T  | tert-Butylbenzene           | 3.043 | 3.532 | -16.1  | 68    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 3.367 | 3.907 | -16.0  | 68    | 0.00     |
| 85 T  | sec-Butylbenzene            | 4.546 | 5.397 | -18.7  | 69    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 3.691 | 4.312 | -16.8  | 68    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 1.802 | 2.019 | -12.0  | 67    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 1.771 | 1.983 | -12.0  | 66    | 0.00     |
| 89 T  | n-Butylbenzene              | 3.605 | 4.388 | -21.7  | 69    | 0.00     |
| 90 T  | Hexachloroethane            | 0.719 | 0.843 | -17.2  | 69    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 1.584 | 1.772 | -11.9  | 66    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 0.119 | 0.136 | -14.3  | 68    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 0.888 | 0.964 | -8.6   | 60    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 0.494 | 0.530 | -7.3   | 60    | 0.00     |
| 95 T  | Naphthalene                 | 1.675 | 1.831 | -9.3   | 60    | 0.00     |

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LabSampleId :  
VSTDCCC050

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Quant Title : SW846 8260  
QLast Update : Wed Oct 16 05:44:48 2024  
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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 | 0.751 | 0.809 | -7.7 | 59    | 0.00     |

(#) = Out of Range

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