

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY042921\  
 Data File : VY004653.D  
 Acq On : 29 Apr 2021 10:30  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.00G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 LabSampleId :  
 VSTDCCC050

Quant Time: Apr 30 04:31:38 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y041221S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 13 03:38:02 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   | 84    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 0.463 | 0.436 | 5.8   | 76    | 0.00     |
| 3 P   | Chloromethane               | 0.670 | 0.664 | 0.9   | 85    | 0.00     |
| 4 C   | Vinyl Chloride              | 0.707 | 0.686 | 3.0#  | 82    | 0.00     |
| 5 T   | Bromomethane                | 0.345 | 0.362 | -4.9  | 89    | 0.00     |
| 6 T   | Chloroethane                | 0.424 | 0.442 | -4.2  | 85    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 0.885 | 0.893 | -0.9  | 83    | 0.00     |
| 8 T   | Diethyl Ether               | 0.299 | 0.290 | 3.0   | 84    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 0.491 | 0.507 | -3.3  | 84    | 0.00     |
| 10 T  | Methyl Iodide               | 0.587 | 0.526 | 10.4  | 74    | 0.00     |
| 11 T  | Tert butyl alcohol          | 0.055 | 0.050 | 9.1   | 87    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 0.485 | 0.476 | 1.9#  | 81    | 0.00     |
| 13 T  | Acrolein                    | 0.061 | 0.048 | 21.3  | 72    | 0.00     |
| 14 T  | Allyl chloride              | 0.928 | 0.913 | 1.6   | 84    | 0.00     |
| 15 T  | Acrylonitrile               | 0.160 | 0.162 | -1.3  | 90    | 0.00     |
| 16 T  | Acetone                     | 0.133 | 0.111 | 16.5  | 82    | 0.00     |
| 17 T  | Carbon Disulfide            | 1.494 | 1.374 | 8.0   | 75    | 0.00     |
| 18 T  | Methyl Acetate              | 0.387 | 0.399 | -3.1  | 95    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 1.458 | 1.447 | 0.8   | 85    | 0.00     |
| 20 T  | Methylene Chloride          | 0.537 | 0.559 | -4.1  | 89    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 0.549 | 0.545 | 0.7   | 82    | 0.00     |
| 22 T  | Diisopropyl ether           | 1.962 | 2.022 | -3.1  | 86    | -0.01    |
| 23 T  | Vinyl Acetate               | 1.336 | 1.350 | -1.0  | 86    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 1.002 | 1.033 | -3.1  | 85    | 0.00     |
| 25 T  | 2-Butanone                  | 0.212 | 0.206 | 2.8   | 87    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 0.899 | 0.937 | -4.2  | 86    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 0.614 | 0.617 | -0.5  | 84    | 0.00     |
| 28 T  | Bromochloromethane          | 0.456 | 0.511 | -12.1 | 89    | -0.01    |
| 29 T  | Tetrahydrofuran             | 0.151 | 0.151 | 0.0   | 90    | 0.00     |
| 30 C  | Chloroform                  | 0.985 | 1.016 | -3.1# | 86    | 0.00     |
| 31 T  | Cyclohexane                 | 1.018 | 0.988 | 2.9   | 84    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 0.894 | 0.934 | -4.5  | 86    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 0.556 | 0.598 | -7.6  | 87    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0   | 82    | 0.00     |
| 35 S  | Dibromofluoromethane        | 0.277 | 0.298 | -7.6  | 83    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 0.497 | 0.524 | -5.4  | 84    | 0.00     |
| 37 T  | Ethyl Acetate               | 0.320 | 0.330 | -3.1  | 90    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 0.430 | 0.500 | -16.3 | 90    | 0.00     |
| 39 T  | Methylcyclohexane           | 0.612 | 0.629 | -2.8  | 81    | 0.00     |
| 40 TM | Benzene                     | 1.396 | 1.494 | -7.0  | 87    | 0.00     |
| 41 T  | Methacrylonitrile           | 0.194 | 0.181 | 6.7   | 73    | -0.02    |
| 42 TM | 1,2-Dichloroethane          | 0.438 | 0.470 | -7.3  | 89    | 0.00     |
| 43 T  | Isopropyl Acetate           | 0.607 | 0.643 | -5.9  | 89    | 0.00     |
| 44 TM | Trichloroethene             | 0.381 | 0.405 | -6.3  | 85    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 0.360 | 0.390 | -8.3# | 87    | 0.00     |
| 46 T  | Dibromomethane              | 0.196 | 0.207 | -5.6  | 88    | 0.00     |
| 47 T  | Bromodichloromethane        | 0.475 | 0.516 | -8.6  | 87    | 0.00     |
| 48 T  | Methyl methacrylate         | 0.279 | 0.300 | -7.5  | 89    | 0.00     |

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|-------|-----------------------------|-------|-------|-------|-------|----------|
| 49 T  | 1,4-Dioxane                 | 0.003 | 0.003 | 0.0   | 105   | 0.00     |
| 50 S  | Toluene-d8                  | 1.180 | 1.293 | -9.6  | 84    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 0.312 | 0.342 | -9.6  | 94    | 0.00     |
| 52 CM | Toluene                     | 0.904 | 0.934 | -3.3# | 84    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 0.524 | 0.559 | -6.7  | 88    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 0.595 | 0.636 | -6.9  | 87    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 0.270 | 0.295 | -9.3  | 91    | 0.00     |
| 56 T  | Ethyl methacrylate          | 0.392 | 0.417 | -6.4  | 88    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 0.482 | 0.517 | -7.3  | 89    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 0.201 | 0.229 | -13.9 | 90    | 0.00     |
| 59 T  | 2-Hexanone                  | 0.209 | 0.229 | -9.6  | 93    | 0.00     |
| 60 T  | Dibromochloromethane        | 0.321 | 0.351 | -9.3  | 89    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 0.261 | 0.279 | -6.9  | 88    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 0.401 | 0.437 | -9.0  | 85    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 1.000 | 1.000 | 0.0   | 84    | 0.00     |
| 64 T  | Tetrachloroethene           | 0.435 | 0.477 | -9.7  | 90    | 0.00     |
| 65 PM | Chlorobenzene               | 1.020 | 1.067 | -4.6  | 87    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 0.364 | 0.392 | -7.7  | 88    | 0.00     |
| 67 C  | Ethyl Benzene               | 1.909 | 2.024 | -6.0# | 87    | 0.00     |
| 68 T  | m/p-Xylenes                 | 0.709 | 0.753 | -6.2  | 87    | 0.00     |
| 69 T  | o-Xylene                    | 0.665 | 0.700 | -5.3  | 86    | 0.00     |
| 70 T  | Styrene                     | 1.101 | 1.191 | -8.2  | 87    | 0.00     |
| 71 P  | Bromoform                   | 0.216 | 0.228 | -5.6  | 90    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0   | 87    | 0.00     |
| 73 T  | Isopropylbenzene            | 3.864 | 4.046 | -4.7  | 87    | 0.00     |
| 74 T  | N-amyl acetate              | 1.301 | 1.349 | -3.7  | 90    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 0.731 | 0.735 | -0.5  | 89    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 0.537 | 0.557 | -3.7  | 89    | 0.00     |
| 77 T  | Bromobenzene                | 0.866 | 0.885 | -2.2  | 89    | 0.00     |
| 78 T  | n-propylbenzene             | 4.564 | 4.847 | -6.2  | 88    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 2.496 | 2.610 | -4.6  | 88    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 3.140 | 3.378 | -7.6  | 90    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 0.300 | 0.294 | 2.0   | 89    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 2.636 | 2.764 | -4.9  | 89    | 0.00     |
| 83 T  | tert-Butylbenzene           | 2.688 | 2.868 | -6.7  | 89    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 3.169 | 3.345 | -5.6  | 89    | 0.00     |
| 85 T  | sec-Butylbenzene            | 3.749 | 4.060 | -8.3  | 89    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 3.411 | 3.717 | -9.0  | 90    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 1.618 | 1.728 | -6.8  | 91    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 1.628 | 1.689 | -3.7  | 89    | 0.00     |
| 89 T  | n-Butylbenzene              | 3.255 | 3.558 | -9.3  | 91    | 0.00     |
| 90 T  | Hexachloroethane            | 0.458 | 0.553 | -20.7 | 100   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 1.436 | 1.507 | -4.9  | 91    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 0.131 | 0.127 | 3.1   | 92    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 0.949 | 0.977 | -3.0  | 90    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 0.496 | 0.542 | -9.3  | 91    | 0.00     |
| 95 T  | Naphthalene                 | 2.064 | 2.045 | 0.9   | 91    | 0.00     |

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Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound               | AvgRF | CCRF  | %Dev | Area% | Dev(min) |
|------|------------------------|-------|-------|------|-------|----------|
| 96 T | 1,2,3-Trichlorobenzene | 0.838 | 0.856 | -2.1 | 92    | 0.00     |

(#) = Out of Range

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