

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY010822\  
 Data File : VY007095.D  
 Acq On : 08 Jan 2022 21:51  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 LabSampleId :  
 VSTDCCC050

Quant Time: Jan 10 03:44:11 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y010822S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jan 10 03:29:44 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   | 179#  | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 0.173 | 0.107 | 38.2# | 104   | 0.00     |
| 3 P   | Chloromethane               | 0.362 | 0.193 | 46.7# | 101   | 0.00     |
| 4 C   | Vinyl Chloride              | 0.525 | 0.296 | 43.6# | 100   | 0.00     |
| 5 T   | Bromomethane                | 0.349 | 0.203 | 41.8# | 101   | 0.00     |
| 6 T   | Chloroethane                | 0.322 | 0.188 | 41.6# | 101   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 0.643 | 0.355 | 44.8# | 96    | 0.00     |
| 8 T   | Diethyl Ether               | 0.314 | 0.154 | 51.0# | 87    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 0.553 | 0.300 | 45.8# | 96    | 0.00     |
| 10 T  | Methyl Iodide               | 0.856 | 0.462 | 46.0# | 95    | 0.00     |
| 11 T  | Tert butyl alcohol          | 0.048 | 0.019 | 60.4# | 71    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 0.572 | 0.305 | 46.7# | 95    | 0.00     |
| 13 T  | Acrolein                    | 0.016 | 0.005 | 68.8# | 67    | 0.00     |
| 14 T  | Allyl chloride              | 0.868 | 0.480 | 44.7# | 98    | 0.00     |
| 15 T  | Acrylonitrile               | 0.144 | 0.061 | 57.6# | 73    | 0.00     |
| 16 T  | Acetone                     | 0.112 | 0.048 | 57.1# | 77    | 0.00     |
| 17 T  | Carbon Disulfide            | 1.637 | 0.901 | 45.0# | 98    | 0.00     |
| 18 T  | Methyl Acetate              | 0.515 | 0.213 | 58.6# | 78    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 1.136 | 0.552 | 51.4# | 86    | 0.00     |
| 20 T  | Methylene Chloride          | 0.674 | 0.317 | 53.0# | 92    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 0.617 | 0.327 | 47.0# | 95    | 0.00     |
| 22 T  | Diisopropyl ether           | 1.766 | 0.956 | 45.9# | 96    | 0.00     |
| 23 T  | Vinyl Acetate               | 1.023 | 0.503 | 50.8# | 84    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 1.078 | 0.593 | 45.0# | 97    | 0.00     |
| 25 T  | 2-Butanone                  | 0.173 | 0.075 | 56.6# | 78    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 0.836 | 0.438 | 47.6# | 95    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 0.694 | 0.366 | 47.3# | 94    | 0.00     |
| 28 T  | Bromochloromethane          | 0.402 | 0.226 | 43.8# | 88    | 0.00     |
| 29 T  | Tetrahydrofuran             | 0.124 | 0.054 | 56.5# | 75    | 0.00     |
| 30 C  | Chloroform                  | 1.135 | 0.609 | 46.3# | 95    | 0.00     |
| 31 T  | Cyclohexane                 | 1.030 | 0.553 | 46.3# | 100   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 0.987 | 0.546 | 44.7# | 98    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 0.598 | 0.573 | 4.2   | 181#  | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0   | 186#  | 0.00     |
| 35 S  | Dibromofluoromethane        | 0.333 | 0.318 | 4.5   | 186#  | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 0.528 | 0.278 | 47.3# | 96    | 0.00     |
| 37 T  | Ethyl Acetate               | 0.258 | 0.109 | 57.8# | 77    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 0.552 | 0.288 | 47.8# | 96    | 0.00     |
| 39 T  | Methylcyclohexane           | 0.660 | 0.341 | 48.3# | 95    | 0.00     |
| 40 TM | Benzene                     | 1.422 | 0.738 | 48.1# | 95    | 0.00     |
| 41 T  | Methacrylonitrile           | 0.147 | 0.058 | 60.5# | 78    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 0.434 | 0.209 | 51.8# | 88    | 0.00     |
| 43 T  | Isopropyl Acetate           | 0.501 | 0.221 | 55.9# | 80    | 0.00     |
| 44 TM | Trichloroethene             | 0.393 | 0.202 | 48.6# | 95    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 0.352 | 0.176 | 50.0# | 93    | 0.00     |
| 46 T  | Dibromomethane              | 0.210 | 0.094 | 55.2# | 82    | 0.00     |
| 47 T  | Bromodichloromethane        | 0.524 | 0.259 | 50.6# | 91    | 0.00     |
| 48 T  | Methyl methacrylate         | 0.226 | 0.103 | 54.4# | 80    | 0.00     |

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 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 LabSampleId :  
 VSTDCCC050

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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) |
|-------|-----------------------------|-------|-------|-------|-------|----------|
| 49 T  | 1,4-Dioxane                 | 0.002 | 0.001 | 50.0# | 77    | -0.01    |
| 50 S  | Toluene-d8                  | 1.231 | 1.193 | 3.1   | 190#  | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 0.247 | 0.107 | 56.7# | 77    | 0.00     |
| 52 CM | Toluene                     | 0.905 | 0.464 | 48.7# | 95    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 0.548 | 0.258 | 52.9# | 85    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 0.618 | 0.298 | 51.8# | 88    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 0.285 | 0.127 | 55.4# | 82    | 0.00     |
| 56 T  | Ethyl methacrylate          | 0.401 | 0.176 | 56.1# | 79    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 0.500 | 0.229 | 54.2# | 84    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 0.183 | 0.076 | 58.5# | 78    | 0.00     |
| 59 T  | 2-Hexanone                  | 0.160 | 0.068 | 57.5# | 76    | 0.00     |
| 60 T  | Dibromochloromethane        | 0.356 | 0.160 | 55.1# | 82    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 0.285 | 0.124 | 56.5# | 80    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 0.444 | 0.402 | 9.5   | 180#  | 0.00     |
| 63 I  | Chlorobenzene-d5            | 1.000 | 1.000 | 0.0   | 182#  | 0.00     |
| 64 T  | Tetrachloroethene           | 0.357 | 0.189 | 47.1# | 96    | 0.00     |
| 65 PM | Chlorobenzene               | 1.076 | 0.549 | 49.0# | 92    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 0.398 | 0.196 | 50.8# | 88    | 0.00     |
| 67 C  | Ethyl Benzene               | 2.021 | 1.045 | 48.3# | 93    | 0.00     |
| 68 T  | m/p-Xylenes                 | 0.756 | 0.389 | 48.5# | 93    | 0.00     |
| 69 T  | o-Xylene                    | 0.708 | 0.360 | 49.2# | 91    | 0.00     |
| 70 T  | Styrene                     | 1.196 | 0.606 | 49.3# | 90    | 0.00     |
| 71 P  | Bromoform                   | 0.228 | 0.100 | 56.1# | 77    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0   | 163#  | 0.00     |
| 73 T  | Isopropylbenzene            | 4.254 | 2.419 | 43.1# | 92    | 0.00     |
| 74 T  | N-amyl acetate              | 1.083 | 0.529 | 51.2# | 77    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 0.811 | 0.387 | 52.3# | 76    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 0.571 | 0.270 | 52.7# | 76    | 0.00     |
| 77 T  | Bromobenzene                | 0.940 | 0.499 | 46.9# | 85    | 0.00     |
| 78 T  | n-propylbenzene             | 5.197 | 2.937 | 43.5# | 90    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 2.957 | 1.655 | 44.0# | 90    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 3.500 | 1.929 | 44.9# | 89    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 0.304 | 0.137 | 54.9# | 71    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 3.053 | 1.679 | 45.0# | 88    | 0.00     |
| 83 T  | tert-Butylbenzene           | 3.082 | 1.700 | 44.8# | 89    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 3.440 | 1.861 | 45.9# | 87    | 0.00     |
| 85 T  | sec-Butylbenzene            | 4.491 | 2.440 | 45.7# | 88    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 3.677 | 1.965 | 46.6# | 87    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 1.813 | 0.945 | 47.9# | 84    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 1.805 | 0.920 | 49.0# | 83    | 0.00     |
| 89 T  | n-Butylbenzene              | 3.586 | 1.856 | 48.2# | 83    | 0.00     |
| 90 T  | Hexachloroethane            | 0.729 | 0.384 | 47.3# | 85    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 1.592 | 0.801 | 49.7# | 81    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 0.135 | 0.057 | 57.8# | 67    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 0.945 | 0.417 | 55.9# | 71    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 0.486 | 0.219 | 54.9# | 74    | 0.00     |
| 95 T  | Naphthalene                 | 1.981 | 0.804 | 59.4# | 64    | 0.00     |

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Quant Title : SW846 8260  
QLast Update : Mon Jan 10 03:29:44 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) |
|------|------------------------|-------|-------|-------|-------|----------|
| 96 T | 1,2,3-Trichlorobenzene | 0.797 | 0.333 | 58.2# | 66    | 0.00     |

(#) = Out of Range

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