

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103124\
 Data File : VY020107.D
 Acq On : 31 Oct 2024 20:05
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 LabSampled :
 VSTDCCC050

Quant Time: Nov 01 03:53:11 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 15:23:13 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 | 89 | 0.00 |
| 2 T | Dichlorodifluoromethane | 0.463 | 0.396 | 14.5 | 93 | 0.00 |
| 3 P | Chloromethane | 0.767 | 0.793 | -3.4 | 104 | 0.00 |
| 4 C | Vinyl Chloride | 0.823 | 0.843 | -2.4# | 100 | 0.00 |
| 5 T | Bromomethane | 0.546 | 0.551 | -0.9 | 103 | 0.00 |
| 6 T | Chloroethane | 0.531 | 0.578 | -8.9 | 106 | 0.00 |
| 7 T | Trichlorofluoromethane | 1.005 | 0.990 | 1.5 | 96 | 0.00 |
| 8 T | Diethyl Ether | 0.280 | 0.331 | -18.2 | 118 | 0.00 |
| 9 T | 1,1,2-Trichlorotrifluoroeth | 0.564 | 0.533 | 5.5 | 94 | 0.00 |
| 10 T | Methyl Iodide | 0.544 | 0.611 | -12.3 | 106 | 0.00 |
| 11 T | Tert butyl alcohol | 0.045 | 0.046 | -2.2 | 125 | 0.00 |
| 12 CM | 1,1-Dichloroethene | 0.540 | 0.539 | 0.2# | 98 | 0.00 |
| 13 T | Acrolein | 0.056 | 0.044 | 21.4 | 80 | 0.00 |
| 14 T | Allyl chloride | 0.973 | 1.044 | -7.3 | 102 | 0.00 |
| 15 T | Acrylonitrile | 0.128 | 0.152 | -18.7 | 117 | 0.00 |
| 16 T | Acetone | 0.145 | 0.128 | 11.7 | 82 | 0.00 |
| 17 T | Carbon Disulfide | 1.796 | 1.861 | -3.6 | 99 | 0.00 |
| 18 T | Methyl Acetate | 0.340 | 0.459 | -35.0# | 129 | 0.00 |
| 19 T | Methyl tert-butyl Ether | 1.357 | 1.637 | -20.6 | 118 | 0.00 |
| 20 T | Methylene Chloride | 0.652 | 0.679 | -4.1 | 110 | 0.00 |
| 21 T | trans-1,2-Dichloroethene | 0.609 | 0.645 | -5.9 | 102 | 0.00 |
| 22 T | Diisopropyl ether | 2.020 | 2.420 | -19.8 | 114 | 0.00 |
| 23 T | Vinyl Acetate | 1.137 | 1.279 | -12.5 | 109 | 0.00 |
| 24 P | 1,1-Dichloroethane | 1.170 | 1.305 | -11.5 | 109 | 0.00 |
| 25 T | 2-Butanone | 0.197 | 0.211 | -7.1 | 106 | 0.00 |
| 26 T | 2,2-Dichloropropane | 0.973 | 0.785 | 19.3 | 80 | 0.00 |
| 27 T | cis-1,2-Dichloroethene | 0.700 | 0.795 | -13.6 | 110 | 0.00 |
| 28 T | Bromochloromethane | 0.548 | 0.636 | -16.1 | 113 | 0.00 |
| 29 T | Tetrahydrofuran | 0.114 | 0.142 | -24.6 | 122 | 0.00 |
| 30 C | Chloroform | 1.161 | 1.318 | -13.5# | 110 | 0.00 |
| 31 T | Cyclohexane | 1.132 | 1.055 | 6.8 | 96 | 0.00 |
| 32 T | 1,1,1-Trichloroethane | 1.013 | 1.068 | -5.4 | 101 | 0.00 |
| 33 S | 1,2-Dichloroethane-d4 | 0.624 | 0.707 | -13.3 | 108 | 0.00 |
| 34 I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 97 | 0.00 |
| 35 S | Dibromofluoromethane | 0.318 | 0.327 | -2.8 | 104 | 0.00 |
| 36 T | 1,1-Dichloropropene | 0.491 | 0.469 | 4.5 | 101 | 0.00 |
| 37 T | Ethyl Acetate | 0.234 | 0.257 | -9.8 | 118 | 0.00 |
| 38 T | Carbon Tetrachloride | 0.494 | 0.471 | 4.7 | 99 | 0.00 |
| 39 T | Methylcyclohexane | 0.623 | 0.567 | 9.0 | 95 | 0.00 |
| 40 TM | Benzene | 1.433 | 1.494 | -4.3 | 109 | 0.00 |
| 41 T | Methacrylonitrile | 0.117 | 0.132 | -12.8 | 108 | 0.00 |
| 42 TM | 1,2-Dichloroethane | 0.397 | 0.439 | -10.6 | 117 | 0.00 |
| 43 T | Isopropyl Acetate | 0.450 | 0.507 | -12.7 | 119 | 0.00 |
| 44 TM | Trichloroethene | 0.332 | 0.338 | -1.8 | 107 | 0.00 |
| 45 C | 1,2-Dichloropropane | 0.343 | 0.369 | -7.6# | 112 | 0.00 |
| 46 T | Dibromomethane | 0.186 | 0.203 | -9.1 | 115 | 0.00 |
| 47 T | Bromodichloromethane | 0.487 | 0.529 | -8.6 | 114 | 0.00 |
| 48 T | Methyl methacrylate | 0.209 | 0.239 | -14.4 | 117 | 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) |
|-------|-----------------------------|-------|-------|-------|-------|----------|
| 49 T | 1,4-Dioxane | 0.002 | 0.002 | 0.0 | 118 | 0.00 |
| 50 S | Toluene-d8 | 1.265 | 1.287 | -1.7 | 102 | 0.00 |
| 51 T | 4-Methyl-2-Pentanone | 0.232 | 0.272 | -17.2 | 120 | 0.00 |
| 52 CM | Toluene | 0.884 | 0.935 | -5.8# | 109 | 0.00 |
| 53 T | t-1,3-Dichloropropene | 0.430 | 0.447 | -4.0 | 108 | 0.00 |
| 54 T | cis-1,3-Dichloropropene | 0.513 | 0.533 | -3.9 | 107 | 0.00 |
| 55 T | 1,1,2-Trichloroethane | 0.231 | 0.264 | -14.3 | 119 | 0.00 |
| 56 T | Ethyl methacrylate | 0.331 | 0.388 | -17.2 | 119 | 0.00 |
| 57 T | 1,3-Dichloropropane | 0.423 | 0.471 | -11.3 | 116 | 0.00 |
| 58 T | 2-Chloroethyl Vinyl ether | 0.163 | 0.192 | -17.8 | 116 | 0.00 |
| 59 T | 2-Hexanone | 0.166 | 0.182 | -9.6 | 112 | 0.00 |
| 60 T | Dibromochloromethane | 0.295 | 0.330 | -11.9 | 117 | 0.00 |
| 61 T | 1,2-Dibromoethane | 0.215 | 0.244 | -13.5 | 121 | 0.00 |
| 62 S | 4-Bromofluorobenzene | 0.411 | 0.438 | -6.6 | 106 | 0.00 |
| 63 I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 101 | 0.00 |
| 64 T | Tetrachloroethene | 0.330 | 0.384 | -16.4 | 126 | 0.00 |
| 65 PM | Chlorobenzene | 1.065 | 1.104 | -3.7 | 112 | 0.00 |
| 66 T | 1,1,1,2-Tetrachloroethane | 0.340 | 0.357 | -5.0 | 113 | 0.00 |
| 67 C | Ethyl Benzene | 1.992 | 2.006 | -0.7# | 108 | 0.00 |
| 68 T | m/p-Xylenes | 0.729 | 0.741 | -1.6 | 108 | 0.00 |
| 69 T | o-Xylene | 0.690 | 0.716 | -3.8 | 111 | 0.00 |
| 70 T | Styrene | 1.141 | 1.236 | -8.3 | 114 | 0.00 |
| 71 P | Bromoform | 0.175 | 0.191 | -9.1 | 117 | 0.00 |
| 72 I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 102 | 0.00 |
| 73 T | Isopropylbenzene | 3.994 | 3.789 | 5.1 | 105 | 0.00 |
| 74 T | N-amyl acetate | 0.998 | 1.047 | -4.9 | 117 | 0.00 |
| 75 P | 1,1,2,2-Tetrachloroethane | 0.699 | 0.691 | 1.1 | 113 | 0.00 |
| 76 T | 1,2,3-Trichloropropane | 0.469 | 0.470 | -0.2 | 113 | 0.00 |
| 77 T | Bromobenzene | 0.808 | 0.814 | -0.7 | 112 | 0.00 |
| 78 T | n-propylbenzene | 4.971 | 4.695 | 5.6 | 105 | 0.00 |
| 79 T | 2-Chlorotoluene | 2.759 | 2.703 | 2.0 | 110 | 0.00 |
| 80 T | 1,3,5-Trimethylbenzene | 3.207 | 3.077 | 4.1 | 106 | 0.00 |
| 81 T | trans-1,4-Dichloro-2-butene | 0.218 | 0.196 | 10.1 | 102 | 0.00 |
| 82 T | 4-Chlorotoluene | 2.813 | 2.782 | 1.1 | 109 | 0.00 |
| 83 T | tert-Butylbenzene | 2.804 | 2.696 | 3.9 | 104 | 0.00 |
| 84 T | 1,2,4-Trimethylbenzene | 3.176 | 3.146 | 0.9 | 109 | 0.00 |
| 85 T | sec-Butylbenzene | 4.305 | 4.025 | 6.5 | 103 | 0.00 |
| 86 T | p-Isopropyltoluene | 3.454 | 3.244 | 6.1 | 103 | 0.00 |
| 87 T | 1,3-Dichlorobenzene | 1.641 | 1.637 | 0.2 | 111 | 0.00 |
| 88 T | 1,4-Dichlorobenzene | 1.634 | 1.625 | 0.6 | 112 | 0.00 |
| 89 T | n-Butylbenzene | 3.463 | 3.188 | 7.9 | 100 | 0.00 |
| 90 T | Hexachloroethane | 0.683 | 0.657 | 3.8 | 107 | 0.00 |
| 91 T | 1,2-Dichlorobenzene | 1.426 | 1.445 | -1.3 | 113 | 0.00 |
| 92 T | 1,2-Dibromo-3-Chloropropane | 0.106 | 0.107 | -0.9 | 120 | 0.00 |
| 93 T | 1,2,4-Trichlorobenzene | 0.766 | 0.732 | 4.4 | 108 | 0.00 |
| 94 T | Hexachlorobutadiene | 0.419 | 0.362 | 13.6 | 95 | 0.00 |
| 95 T | Naphthalene | 1.432 | 1.475 | -3.0 | 114 | 0.00 |

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| Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|-----------------------------|-------|-------|------|-------|----------|
| 96 T 1,2,3-Trichlorobenzene | 0.650 | 0.617 | 5.1 | 110 | 0.00 |

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