Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081423\
Data File : VY015093.D
Acq On : 14 Aug 2023 20:43
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 30 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**LabSampleId :**
VSTDCCC050

Quant Time: Aug 15 02:25:58 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
Quant Title : SW846 8260
QLast Update : Mon Aug 14 12:43:26 2023
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 | 86 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.253 | 0.198 | 21.7 | 79 | 0.00 |
| 3 | P | Chloromethane | 0.347 | 0.264 | 23.9 | 75 | 0.00 |
| 4 | C | Vinyl Chloride | 0.398 | 0.319 | 19.8# | 72 | 0.00 |
| 5 | T | Bromomethane | 0.291 | 0.264 | 9.3 | 78 | 0.00 |
| 6 | T | Chloroethane | 0.289 | 0.245 | 15.2 | 74 | 0.00 |
| 7 | T | Trichlorofluoromethane | 0.670 | 0.616 | 8.1 | 83 | 0.00 |
| 8 | T | Diethyl Ether | 0.263 | 0.295 | -12.2 | 100 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.417 | 0.393 | 5.8 | 85 | 0.00 |
| 10 | T | Methyl Iodide | 0.409 | 0.367 | 10.3 | 73 | 0.00 |
| 11 | T | Tert butyl alcohol | 0.116 | 0.114 | 1.7 | 100 | 0.01 |
| 12 | CM | 1,1-Dichloroethene | 0.348 | 0.330 | 5.2# | 83 | 0.00 |
| 13 | T | Acrolein | 0.056 | 0.044 | 21.4 | 108 | 0.00 |
| 14 | T | Allyl chloride | 0.617 | 0.642 | -4.1 | 90 | 0.00 |
| 15 | T | Acrylonitrile | 0.178 | 0.221 | -24.2 | 107 | 0.00 |
| 16 | T | Acetone | 0.196 | 0.187 | 4.6 | 79 | 0.00 |
| 17 | T | Carbon Disulfide | 0.612 | 0.585 | 4.4 | 81 | 0.00 |
| 18 | T | Methyl Acetate | 0.719 | 0.910 | -26.6# | 109 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 1.479 | 1.633 | -10.4 | 96 | 0.00 |
| 20 | T | Methylene Chloride | 0.570 | 0.561 | 1.6 | 101 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 0.392 | 0.394 | -0.5 | 88 | 0.00 |
| 22 | T | Diisopropyl ether | 1.539 | 1.647 | -7.0 | 93 | 0.00 |
| 23 | T | Vinyl Acetate | 0.918 | 1.012 | -10.2 | 94 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 0.833 | 0.848 | -1.8 | 89 | 0.00 |
| 25 | T | 2-Butanone | 0.278 | 0.317 | -14.0 | 99 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 0.803 | 0.676 | 15.8 | 76 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 0.536 | 0.544 | -1.5 | 89 | 0.00 |
| 28 | T | Bromochloromethane | 0.383 | 0.411 | -7.3 | 95 | 0.00 |
| 29 | T | Tetrahydrofuran | 0.166 | 0.206 | -24.1 | 108 | 0.00 |
| 30 | C | Chloroform | 0.934 | 0.944 | -1.1# | 89 | 0.00 |
| 31 | T | Cyclohexane | 0.597 | 0.531 | 11.1 | 83 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 0.795 | 0.767 | 3.5 | 85 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.600 | 0.751 | -25.2# | 106 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 87 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.322 | 0.402 | -24.8 | 107 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.356 | 0.336 | 5.6 | 84 | 0.00 |
| 37 | T | Ethyl Acetate | 0.332 | 0.389 | -17.2 | 106 | 0.00 |
| 38 | T | Carbon Tetrachloride | 0.421 | 0.391 | 7.1 | 83 | 0.00 |
| 39 | T | Methylcyclohexane | 0.399 | 0.377 | 5.5 | 84 | 0.00 |
| 40 | TM | Benzene | 1.076 | 1.068 | 0.7 | 88 | 0.00 |
| 41 | T | Methacrylonitrile | 0.171 | 0.179 | -4.7 | 87 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 0.391 | 0.405 | -3.6 | 91 | 0.00 |
| 43 | T | Isopropyl Acetate | 0.604 | 0.689 | -14.1 | 101 | 0.00 |
| 44 | TM | Trichloroethene | 0.310 | 0.305 | 1.6 | 88 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.303 | 0.305 | -0.7# | 90 | 0.00 |
| 46 | T | Dibromomethane | 0.191 | 0.209 | -9.4 | 95 | 0.00 |
| 47 | T | Bromodichloromethane | 0.457 | 0.470 | -2.8 | 90 | 0.00 |
| 48 | T | Methyl methacrylate | 0.258 | 0.307 | -19.0 | 102 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 49 | T | 1,4-Dioxane | 0.004 | 0.005 | -25.0 | 108 | 0.00 |
| 50 | S | Toluene-d8 | 1.197 | 1.465 | -22.4 | 105 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.350 | 0.419 | -19.7 | 104 | 0.00 |
| 52 | CM | Toluene | 0.709 | 0.700 | 1.3# | 87 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.480 | 0.490 | -2.1 | 90 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.505 | 0.514 | -1.8 | 90 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.291 | 0.320 | -10.0 | 98 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.426 | 0.490 | -15.0 | 99 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.475 | 0.511 | -7.6 | 95 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.198 | 0.237 | -19.7 | 108 | 0.00 |
| 59 | T | 2-Hexanone | 0.259 | 0.309 | -19.3 | 103 | 0.00 |
| 60 | T | Dibromochloromethane | 0.347 | 0.367 | -5.8 | 92 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.276 | 0.299 | -8.3 | 96 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.437 | 0.554 | -26.8# | 111 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 89 | 0.00 |
| 64 | T | Tetrachloroethene | 0.348 | 0.367 | -5.5 | 95 | 0.00 |
| 65 | PM | Chlorobenzene | 0.911 | 0.896 | 1.6 | 88 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.370 | 0.384 | -3.8 | 93 | 0.00 |
| 67 | C | Ethyl Benzene | 1.596 | 1.548 | 3.0# | 88 | 0.00 |
| 68 | T | m/p-Xylenes | 0.606 | 0.589 | 2.8 | 87 | 0.00 |
| 69 | T | o-Xylene | 0.604 | 0.603 | 0.2 | 90 | 0.00 |
| 70 | T | Styrene | 1.045 | 1.063 | -1.7 | 91 | 0.00 |
| 71 | P | Bromoform | 0.268 | 0.293 | -9.3 | 97 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 91 | 0.00 |
| 73 | T | Isopropylbenzene | 3.215 | 3.031 | 5.7 | 89 | 0.00 |
| 74 | T | N-amyl acetate | 1.161 | 1.282 | -10.4 | 100 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 0.837 | 0.914 | -9.2 | 100 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 0.607 | 0.653 | -7.6 | 102 | 0.00 |
| 77 | T | Bromobenzene | 0.784 | 0.758 | 3.3 | 91 | 0.00 |
| 78 | T | n-propylbenzene | 3.818 | 3.563 | 6.7 | 88 | 0.00 |
| 79 | T | 2-Chlorotoluene | 2.203 | 2.089 | 5.2 | 89 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 2.680 | 2.526 | 5.7 | 88 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.277 | 0.302 | -9.0 | 98 | 0.00 |
| 82 | T | 4-Chlorotoluene | 2.275 | 2.192 | 3.6 | 90 | 0.00 |
| 83 | T | tert-Butylbenzene | 2.451 | 2.339 | 4.6 | 89 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 2.678 | 2.581 | 3.6 | 89 | 0.00 |
| 85 | T | sec-Butylbenzene | 3.592 | 3.386 | 5.7 | 88 | 0.00 |
| 86 | T | p-Isopropyltoluene | 2.978 | 2.791 | 6.3 | 87 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.554 | 1.477 | 5.0 | 89 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.559 | 1.485 | 4.7 | 89 | 0.00 |
| 89 | T | n-Butylbenzene | 2.808 | 2.671 | 4.9 | 88 | 0.00 |
| 90 | T | Hexachloroethane | 0.591 | 0.574 | 2.9 | 92 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.452 | 1.446 | 0.4 | 92 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.162 | 0.188 | -16.0 | 106 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 0.932 | 0.926 | 0.6 | 92 | 0.00 |
| 94 | T | Hexachlorobutadiene | 0.507 | 0.483 | 4.7 | 91 | 0.00 |
| 95 | T | Naphthalene | 2.322 | 2.648 | -14.0 | 107 | 0.00 |

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|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 0.842 | 0.875 | -3.9 | 97 | 0.00 |

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