Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092823\
Data File : VY015742.D
Acq On : 28 Sep 2023 10:53
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

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

Quant Time: Sep 29 01:23:19 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091923S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 20 01:39:40 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 | 90 | 0.02 |
| 2 | T | Dichlorodifluoromethane | 0.330 | 0.329 | 0.3 | 83 | 0.01 |
| 3 | P | Chloromethane | 0.416 | 0.413 | 0.7 | 83 | 0.01 |
| 4 | C | Vinyl Chloride | 0.475 | 0.497 | -4.6# | 87 | 0.01 |
| 5 | T | Bromomethane | 0.361 | 0.370 | -2.5 | 82 | 0.02 |
| 6 | T | Chloroethane | 0.352 | 0.374 | -6.3 | 89 | 0.01 |
| 7 | T | Trichlorofluoromethane | 0.797 | 0.811 | -1.8 | 88 | 0.02 |
| 8 | T | Diethyl Ether | 0.340 | 0.332 | 2.4 | 84 | 0.02 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.499 | 0.511 | -2.4 | 88 | 0.01 |
| 10 | T | Methyl Iodide | 0.519 | 0.560 | -7.9 | 83 | 0.02 |
| 11 | T | Tert butyl alcohol | 0.174 | 0.097 | 44.3# | 82 | 0.04 |
| 12 | CM | 1,1-Dichloroethene | 0.440 | 0.437 | 0.7# | 86 | 0.02 |
| 13 | T | Acrolein | 0.084 | 0.065 | 22.6 | 69 | 0.02 |
| 14 | T | Allyl chloride | 0.804 | 0.788 | 2.0 | 83 | 0.02 |
| 15 | T | Acrylonitrile | 0.249 | 0.218 | 12.4 | 78 | 0.02 |
| 16 | T | Acetone | 0.294 | 0.251 | 14.6 | 80 | 0.03 |
| 17 | T | Carbon Disulfide | 0.855 | 0.814 | 4.8 | 77 | 0.02 |
| 18 | T | Methyl Acetate | 0.988 | 0.887 | 10.2 | 80 | 0.02 |
| 19 | T | Methyl tert-butyl Ether | 1.792 | 1.746 | 2.6 | 84 | 0.02 |
| 20 | T | Methylene Chloride | 0.779 | 0.680 | 12.7 | 94 | 0.02 |
| 21 | T | trans-1,2-Dichloroethene | 0.503 | 0.510 | -1.4 | 84 | 0.02 |
| 22 | T | Diisopropyl ether | 1.936 | 1.927 | 0.5 | 84 | 0.02 |
| 23 | T | Vinyl Acetate | 1.195 | 1.132 | 5.3 | 81 | 0.02 |
| 24 | P | 1,1-Dichloroethane | 1.055 | 1.047 | 0.8 | 85 | 0.02 |
| 25 | T | 2-Butanone | 0.416 | 0.339 | 18.5 | 78 | 0.02 |
| 26 | T | 2,2-Dichloropropane | 0.964 | 0.952 | 1.2 | 92 | 0.02 |
| 27 | T | cis-1,2-Dichloroethene | 0.667 | 0.666 | 0.1 | 85 | 0.02 |
| 28 | T | Bromochloromethane | 0.286 | 0.257 | 10.1 | 79 | 0.02 |
| 29 | T | Tetrahydrofuran | 0.235 | 0.200 | 14.9 | 77 | 0.02 |
| 30 | C | Chloroform | 1.130 | 1.126 | 0.4# | 87 | 0.02 |
| 31 | T | Cyclohexane | 0.762 | 0.710 | 6.8 | 83 | 0.01 |
| 32 | T | 1,1,1-Trichloroethane | 0.933 | 0.960 | -2.9 | 89 | 0.02 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.550 | 0.506 | 8.0 | 91 | 0.01 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 88 | 0.01 |
| 35 | S | Dibromofluoromethane | 0.299 | 0.293 | 2.0 | 91 | 0.01 |
| 36 | T | 1,1-Dichloropropene | 0.442 | 0.451 | -2.0 | 87 | 0.02 |
| 37 | T | Ethyl Acetate | 0.441 | 0.402 | 8.8 | 81 | 0.02 |
| 38 | T | Carbon Tetrachloride | 0.480 | 0.508 | -5.8 | 89 | 0.02 |
| 39 | T | Methylcyclohexane | 0.489 | 0.487 | 0.4 | 83 | 0.01 |
| 40 | TM | Benzene | 1.349 | 1.369 | -1.5 | 85 | 0.02 |
| 41 | T | Methacrylonitrile | 0.238 | 0.219 | 8.0 | 91 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 0.462 | 0.454 | 1.7 | 84 | 0.01 |
| 43 | T | Isopropyl Acetate | 0.754 | 0.697 | 7.6 | 80 | 0.02 |
| 44 | TM | Trichloroethene | 0.377 | 0.383 | -1.6 | 86 | 0.01 |
| 45 | C | 1,2-Dichloropropane | 0.376 | 0.384 | -2.1# | 85 | 0.00 |
| 46 | T | Dibromomethane | 0.241 | 0.234 | 2.9 | 82 | 0.02 |
| 47 | T | Bromodichloromethane | 0.537 | 0.548 | -2.0 | 86 | 0.01 |
| 48 | T | Methyl methacrylate | 0.331 | 0.308 | 6.9 | 80 | 0.01 |

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

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 49 | T | 1,4-Dioxane | 0.005 | 0.004 | 20.0 | 81 | 0.03 |
| 50 | S | Toluene-d8 | 1.015 | 1.039 | -2.4 | 101 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.467 | 0.422 | 9.6 | 79 | 0.00 |
| 52 | CM | Toluene | 0.870 | 0.886 | -1.8# | 85 | 0.01 |
| 53 | T | t-1,3-Dichloropropene | 0.575 | 0.588 | -2.3 | 85 | 0.01 |
| 54 | T | cis-1,3-Dichloropropene | 0.619 | 0.629 | -1.6 | 85 | 0.01 |
| 55 | T | 1,1,2-Trichloroethane | 0.353 | 0.354 | -0.3 | 86 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.520 | 0.515 | 1.0 | 82 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.592 | 0.584 | 1.4 | 84 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.165 | 0.129 | 21.8 | 71 | 0.01 |
| 59 | T | 2-Hexanone | 0.359 | 0.323 | 10.0 | 79 | 0.00 |
| 60 | T | Dibromochloromethane | 0.412 | 0.418 | -1.5 | 86 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.345 | 0.338 | 2.0 | 85 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.398 | 0.379 | 4.8 | 91 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 86 | 0.00 |
| 64 | T | Tetrachloroethene | 0.429 | 0.441 | -2.8 | 85 | 0.01 |
| 65 | PM | Chlorobenzene | 1.091 | 1.121 | -2.7 | 86 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.424 | 0.447 | -5.4 | 87 | 0.00 |
| 67 | C | Ethyl Benzene | 1.908 | 1.997 | -4.7# | 86 | 0.01 |
| 68 | T | m/p-Xylenes | 0.725 | 0.763 | -5.2 | 86 | 0.00 |
| 69 | T | o-Xylene | 0.711 | 0.743 | -4.5 | 85 | 0.00 |
| 70 | T | Styrene | 1.217 | 1.284 | -5.5 | 85 | 0.00 |
| 71 | P | Bromoform | 0.307 | 0.317 | -3.3 | 85 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 88 | 0.00 |
| 73 | T | Isopropylbenzene | 3.751 | 3.813 | -1.7 | 87 | 0.01 |
| 74 | T | N-amyl acetate | 1.410 | 1.336 | 5.2 | 80 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 1.044 | 0.997 | 4.5 | 85 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 0.798 | 0.723 | 9.4 | 77 | 0.00 |
| 77 | T | Bromobenzene | 0.921 | 0.914 | 0.8 | 86 | 0.00 |
| 78 | T | n-propylbenzene | 4.557 | 4.674 | -2.6 | 86 | 0.00 |
| 79 | T | 2-Chlorotoluene | 2.597 | 2.627 | -1.2 | 85 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 3.140 | 3.196 | -1.8 | 86 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.354 | 0.333 | 5.9 | 81 | 0.00 |
| 82 | T | 4-Chlorotoluene | 2.712 | 2.715 | -0.1 | 84 | 0.01 |
| 83 | T | tert-Butylbenzene | 2.750 | 2.842 | -3.3 | 87 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 3.142 | 3.202 | -1.9 | 85 | 0.00 |
| 85 | T | sec-Butylbenzene | 4.116 | 4.223 | -2.6 | 86 | 0.00 |
| 86 | T | p-Isopropyltoluene | 3.438 | 3.543 | -3.1 | 86 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.827 | 1.837 | -0.5 | 86 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.827 | 1.839 | -0.7 | 86 | 0.00 |
| 89 | T | n-Butylbenzene | 3.256 | 3.327 | -2.2 | 86 | 0.00 |
| 90 | T | Hexachloroethane | 0.664 | 0.682 | -2.7 | 87 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.686 | 1.703 | -1.0 | 86 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.207 | 0.182 | 12.1 | 80 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 1.062 | 1.071 | -0.8 | 85 | 0.00 |
| 94 | T | Hexachlorobutadiene | 0.544 | 0.544 | 0.0 | 83 | 0.00 |
| 95 | T | Naphthalene | 2.768 | 2.708 | 2.2 | 82 | 0.00 |

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|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 0.980 | 0.982 | -0.2 | 85 | 0.00 |

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