Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121024\
Data File : VY020578.D
Acq On : 10 Dec 2024 18:53
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 20 Sample Multiplier: 1

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

Quant Time: Dec 11 00:53:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120224S.M
Quant Title : SW846 8260
QLast Update : Tue Dec 03 01:39:23 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 | 81 | -0.01 |
| 2 | T | Dichlorodifluoromethane | 0.488 | 0.470 | 3.7 | 72 | -0.01 |
| 3 | P | Chloromethane | 0.494 | 0.511 | -3.4 | 79 | -0.01 |
| 4 | C | Vinyl Chloride | 0.503 | 0.499 | 0.8# | 75 | -0.01 |
| 5 | T | Bromomethane | 0.295 | 0.309 | -4.7 | 81 | -0.02 |
| 6 | T | Chloroethane | 0.309 | 0.318 | -2.9 | 81 | -0.01 |
| 7 | T | Trichlorofluoromethane | 0.943 | 0.894 | 5.2 | 74 | -0.01 |
| 8 | T | Diethyl Ether | 0.267 | 0.311 | -16.5 | 94 | -0.02 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.549 | 0.525 | 4.4 | 77 | -0.01 |
| 10 | T | Methyl Iodide | 0.617 | 0.660 | -7.0 | 80 | -0.01 |
| 11 | T | Tert butyl alcohol | 0.033 | 0.051 | -54.5# | 124 | -0.02 |
| 12 | CM | 1,1-Dichloroethene | 0.519 | 0.516 | 0.6# | 78 | -0.01 |
| 13 | T | Acrolein | 0.031 | 0.022 | 29.0# | 65 | -0.01 |
| 14 | T | Allyl chloride | 0.926 | 0.962 | -3.9 | 82 | -0.02 |
| 15 | T | Acrylonitrile | 0.111 | 0.150 | -35.1# | 105 | -0.01 |
| 16 | T | Acetone | 0.126 | 0.131 | -4.0 | 72 | -0.02 |
| 17 | T | Carbon Disulfide | 1.486 | 1.507 | -1.4 | 73 | -0.02 |
| 18 | T | Methyl Acetate | 0.269 | 0.379 | -40.9# | 110 | -0.01 |
| 19 | T | Methyl tert-butyl Ether | 1.326 | 1.609 | -21.3 | 96 | -0.02 |
| 20 | T | Methylene Chloride | 0.538 | 0.627 | -16.5 | 94 | -0.02 |
| 21 | T | trans-1,2-Dichloroethene | 0.576 | 0.601 | -4.3 | 84 | -0.02 |
| 22 | T | Diisopropyl ether | 1.841 | 2.131 | -15.8 | 93 | -0.01 |
| 23 | T | Vinyl Acetate | 0.974 | 1.189 | -22.1 | 94 | -0.01 |
| 24 | P | 1,1-Dichloroethane | 1.108 | 1.189 | -7.3 | 88 | -0.02 |
| 25 | T | 2-Butanone | 0.160 | 0.200 | -25.0# | 90 | -0.02 |
| 26 | T | 2,2-Dichloropropane | 1.048 | 0.885 | 15.6 | 69 | -0.02 |
| 27 | T | cis-1,2-Dichloroethene | 0.673 | 0.732 | -8.8 | 88 | -0.01 |
| 28 | T | Bromochloromethane | 0.414 | 0.517 | -24.9 | 94 | -0.01 |
| 29 | T | Tetrahydrofuran | 0.091 | 0.127 | -39.6# | 105 | -0.01 |
| 30 | C | Chloroform | 1.137 | 1.243 | -9.3# | 90 | -0.01 |
| 31 | T | Cyclohexane | 1.002 | 0.926 | 7.6 | 75 | -0.01 |
| 32 | T | 1,1,1-Trichloroethane | 1.095 | 1.080 | 1.4 | 81 | -0.02 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.509 | 0.543 | -6.7 | 79 | -0.01 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 87 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.315 | 0.311 | 1.3 | 78 | -0.01 |
| 36 | T | 1,1-Dichloropropene | 0.532 | 0.505 | 5.1 | 80 | -0.01 |
| 37 | T | Ethyl Acetate | 0.211 | 0.275 | -30.3# | 109 | -0.01 |
| 38 | T | Carbon Tetrachloride | 0.634 | 0.591 | 6.8 | 79 | -0.01 |
| 39 | T | Methylcyclohexane | 0.660 | 0.610 | 7.6 | 76 | 0.00 |
| 40 | TM | Benzene | 1.567 | 1.582 | -1.0 | 86 | -0.01 |
| 41 | T | Methacrylonitrile | 0.120 | 0.143 | -19.2 | 92 | -0.01 |
| 42 | TM | 1,2-Dichloroethane | 0.412 | 0.460 | -11.7 | 93 | -0.01 |
| 43 | T | Isopropyl Acetate | 0.425 | 0.533 | -25.4# | 102 | -0.01 |
| 44 | TM | Trichloroethene | 0.386 | 0.382 | 1.0 | 85 | -0.01 |
| 45 | C | 1,2-Dichloropropane | 0.367 | 0.389 | -6.0# | 94 | 0.00 |
| 46 | T | Dibromomethane | 0.182 | 0.212 | -16.5 | 100 | 0.00 |
| 47 | T | Bromodichloromethane | 0.535 | 0.580 | -8.4 | 95 | -0.01 |
| 48 | T | Methyl methacrylate | 0.198 | 0.247 | -24.7 | 101 | -0.01 |

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**Instrument :**
MSVOA_Y
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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 | 0.003 | -50.0# | 120 | -0.01 |
| 50 | S | Toluene-d8 | 1.199 | 1.118 | 6.8 | 73 | -0.01 |
| 51 | T | 4-Methyl-2-Pentanone | 0.210 | 0.281 | -33.8# | 108 | -0.01 |
| 52 | CM | Toluene | 0.978 | 0.999 | -2.1# | 87 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.480 | 0.526 | -9.6 | 92 | -0.01 |
| 54 | T | cis-1,3-Dichloropropene | 0.568 | 0.611 | -7.6 | 91 | -0.01 |
| 55 | T | 1,1,2-Trichloroethane | 0.242 | 0.287 | -18.6 | 101 | -0.01 |
| 56 | T | Ethyl methacrylate | 0.343 | 0.433 | -26.2# | 101 | -0.01 |
| 57 | T | 1,3-Dichloropropane | 0.434 | 0.515 | -18.7 | 101 | -0.01 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.160 | 0.198 | -23.8 | 86 | -0.01 |
| 59 | T | 2-Hexanone | 0.152 | 0.193 | -27.0# | 97 | -0.01 |
| 60 | T | Dibromochloromethane | 0.337 | 0.389 | -15.4 | 97 | -0.01 |
| 61 | T | 1,2-Dibromoethane | 0.222 | 0.263 | -18.5 | 100 | -0.01 |
| 62 | S | 4-Bromofluorobenzene | 0.419 | 0.421 | -0.5 | 81 | -0.01 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 94 | -0.01 |
| 64 | T | Tetrachloroethene | 0.422 | 0.440 | -4.3 | 98 | 0.00 |
| 65 | PM | Chlorobenzene | 1.253 | 1.210 | 3.4 | 92 | -0.01 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.444 | 0.436 | 1.8 | 94 | -0.01 |
| 67 | C | Ethyl Benzene | 2.349 | 2.196 | 6.5# | 88 | 0.00 |
| 68 | T | m/p-Xylenes | 0.860 | 0.811 | 5.7 | 89 | 0.00 |
| 69 | T | o-Xylene | 0.806 | 0.781 | 3.1 | 91 | -0.01 |
| 70 | T | Styrene | 1.344 | 1.350 | -0.4 | 94 | 0.00 |
| 71 | P | Bromoform | 0.226 | 0.256 | -13.3 | 104 | -0.01 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 103 | 0.00 |
| 73 | T | Isopropylbenzene | 4.838 | 3.967 | 18.0 | 89 | -0.01 |
| 74 | T | N-amyl acetate | 0.948 | 1.045 | -10.2 | 108 | -0.01 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 0.696 | 0.718 | -3.2 | 108 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 0.509 | 0.495 | 2.8 | 121 | 0.00 |
| 77 | T | Bromobenzene | 1.002 | 0.904 | 9.8 | 97 | -0.01 |
| 78 | T | n-propylbenzene | 5.728 | 4.744 | 17.2 | 89 | -0.01 |
| 79 | T | 2-Chlorotoluene | 3.232 | 2.759 | 14.6 | 93 | -0.01 |
| 80 | T | 1,3,5-Trimethylbenzene | 3.877 | 3.290 | 15.1 | 91 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.248 | 0.242 | 2.4 | 99 | 0.00 |
| 82 | T | 4-Chlorotoluene | 3.298 | 2.856 | 13.4 | 94 | -0.01 |
| 83 | T | tert-Butylbenzene | 3.505 | 2.966 | 15.4 | 92 | -0.01 |
| 84 | T | 1,2,4-Trimethylbenzene | 3.768 | 3.289 | 12.7 | 94 | 0.00 |
| 85 | T | sec-Butylbenzene | 5.023 | 4.221 | 16.0 | 91 | 0.00 |
| 86 | T | p-Isopropyltoluene | 4.151 | 3.569 | 14.0 | 92 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.932 | 1.775 | 8.1 | 99 | -0.01 |
| 88 | T | 1,4-Dichlorobenzene | 1.891 | 1.771 | 6.3 | 101 | -0.01 |
| 89 | T | n-Butylbenzene | 3.850 | 3.347 | 13.1 | 93 | -0.01 |
| 90 | T | Hexachloroethane | 0.809 | 0.706 | 12.7 | 96 | -0.01 |
| 91 | T | 1,2-Dichlorobenzene | 1.639 | 1.599 | 2.4 | 104 | -0.01 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.105 | 0.114 | -8.6 | 108 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 0.921 | 0.971 | -5.4 | 109 | -0.01 |
| 94 | T | Hexachlorobutadiene | 0.645 | 0.592 | 8.2 | 94 | 0.00 |
| 95 | T | Naphthalene | 1.491 | 1.818 | -21.9 | 117 | 0.00 |

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|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 0.743 | 0.842 | -13.3 | 114 | -0.01 |

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