Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022224\
Data File : VN081149.D
Acq On : 22 Feb 2024 20:47
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**LabSampleId :**
VSTDCCC050

Quant Time: Feb 23 04:33:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021624W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 16 23:45:20 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 | 82 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.647 | 0.646 | 0.2 | 77 | 0.00 |
| 3 | P | Chloromethane | 0.833 | 0.623 | 25.2# | 72 | 0.00 |
| 4 | C | Vinyl Chloride | 0.718 | 0.676 | 5.8# | 79 | 0.00 |
| 5 | T | Bromomethane | 0.510 | 0.408 | 20.0 | 69 | 0.00 |
| 6 | T | Chloroethane | 0.556 | 0.454 | 18.3 | 80 | 0.00 |
| 7 | T | Trichlorofluoromethane | 1.049 | 1.029 | 1.9 | 82 | 0.00 |
| 8 | T | Diethyl Ether | 0.384 | 0.376 | 2.1 | 81 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.585 | 0.569 | 2.7 | 81 | 0.00 |
| 10 | T | Methyl Iodide | 0.653 | 0.639 | 2.1 | 78 | 0.00 |
| 11 | T | Tert butyl alcohol | 0.113 | 0.129 | -14.2 | 104 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 0.565 | 0.543 | 3.9# | 81 | 0.00 |
| 13 | T | Acrolein | 0.060 | 0.059 | 1.7 | 88 | 0.00 |
| 14 | T | Allyl chloride | 0.839 | 0.786 | 6.3 | 79 | 0.00 |
| 15 | T | Acrylonitrile | 0.294 | 0.318 | -8.2 | 92 | 0.00 |
| 16 | T | Acetone | 0.241 | 0.223 | 7.5 | 81 | 0.00 |
| 17 | T | Carbon Disulfide | 1.577 | 1.355 | 14.1 | 74 | 0.00 |
| 18 | T | Methyl Acetate | 0.588 | 0.720 | -22.4 | 100 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 1.937 | 2.000 | -3.3 | 85 | 0.00 |
| 20 | T | Methylene Chloride | 0.693 | 0.640 | 7.6 | 85 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 0.631 | 0.595 | 5.7 | 82 | 0.00 |
| 22 | T | Diisopropyl ether | 1.903 | 1.980 | -4.0 | 86 | 0.00 |
| 23 | T | Vinyl Acetate | 1.544 | 1.544 | 0.0 | 82 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 1.100 | 1.128 | -2.5 | 85 | 0.00 |
| 25 | T | 2-Butanone | 0.390 | 0.399 | -2.3 | 89 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 1.031 | 0.883 | 14.4 | 70 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 0.733 | 0.708 | 3.4 | 81 | 0.00 |
| 28 | T | Bromochloromethane | 0.456 | 0.452 | 0.9 | 83 | 0.00 |
| 29 | T | Tetrahydrofuran | 0.260 | 0.276 | -6.2 | 92 | 0.00 |
| 30 | C | Chloroform | 1.170 | 1.189 | -1.6# | 85 | 0.00 |
| 31 | T | Cyclohexane | 1.058 | 0.956 | 9.6 | 81 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 1.065 | 1.067 | -0.2 | 84 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.613 | 0.569 | 7.2 | 81 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 82 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.283 | 0.273 | 3.5 | 81 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.484 | 0.465 | 3.9 | 81 | 0.00 |
| 37 | T | Ethyl Acetate | 0.437 | 0.461 | -5.5 | 88 | 0.00 |
| 38 | T | Carbon Tetrachloride | 0.490 | 0.511 | -4.3 | 83 | 0.00 |
| 39 | T | Methylcyclohexane | 0.565 | 0.551 | 2.5 | 79 | 0.00 |
| 40 | TM | Benzene | 1.402 | 1.437 | -2.5 | 84 | 0.00 |
| 41 | T | Methacrylonitrile | 0.249 | 0.258 | -3.6 | 94 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 0.489 | 0.498 | -1.8 | 85 | 0.00 |
| 43 | T | Isopropyl Acetate | 0.765 | 0.811 | -6.0 | 88 | 0.00 |
| 44 | TM | Trichloroethene | 0.373 | 0.370 | 0.8 | 85 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.351 | 0.362 | -3.1# | 86 | 0.00 |
| 46 | T | Dibromomethane | 0.256 | 0.259 | -1.2 | 86 | 0.00 |
| 47 | T | Bromodichloromethane | 0.484 | 0.516 | -6.6 | 84 | 0.00 |
| 48 | T | Methyl methacrylate | 0.356 | 0.366 | -2.8 | 88 | 0.00 |

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ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**LabSampleId :**
VSTDCCC050

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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 | 0.008 | 0.008 | 0.0 | 90 | 0.00 |
| 50 | S | Toluene-d8 | 1.004 | 0.902 | 10.2 | 78 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.440 | 0.491 | -11.6 | 92 | 0.00 |
| 52 | CM | Toluene | 0.888 | 0.910 | -2.5# | 83 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.538 | 0.558 | -3.7 | 80 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.581 | 0.590 | -1.5 | 81 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.341 | 0.361 | -5.9 | 84 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.522 | 0.567 | -8.6 | 86 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.590 | 0.623 | -5.6 | 87 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.262 | 0.269 | -2.7 | 84 | 0.00 |
| 59 | T | 2-Hexanone | 0.349 | 0.364 | -4.3 | 81 | 0.00 |
| 60 | T | Dibromochloromethane | 0.363 | 0.385 | -6.1 | 82 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.359 | 0.373 | -3.9 | 84 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.377 | 0.356 | 5.6 | 81 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 82 | 0.00 |
| 64 | T | Tetrachloroethene | 0.341 | 0.362 | -6.2 | 94 | 0.00 |
| 65 | PM | Chlorobenzene | 1.082 | 1.069 | 1.2 | 84 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.389 | 0.403 | -3.6 | 84 | 0.00 |
| 67 | C | Ethyl Benzene | 1.936 | 1.961 | -1.3# | 83 | 0.00 |
| 68 | T | m/p-Xylenes | 0.742 | 0.741 | 0.1 | 82 | 0.00 |
| 69 | T | o-Xylene | 0.736 | 0.734 | 0.3 | 82 | 0.00 |
| 70 | T | Styrene | 1.166 | 1.215 | -4.2 | 84 | 0.00 |
| 71 | P | Bromoform | 0.247 | 0.279 | -13.0 | 86 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 86 | 0.00 |
| 73 | T | Isopropylbenzene | 4.375 | 4.301 | 1.7 | 85 | 0.00 |
| 74 | T | N-amyl acetate | 1.849 | 1.830 | 1.0 | 84 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 1.230 | 1.250 | -1.6 | 90 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 1.136 | 1.165 | -2.6 | 94 | 0.00 |
| 77 | T | Bromobenzene | 0.975 | 0.963 | 1.2 | 88 | 0.00 |
| 78 | T | n-propylbenzene | 5.036 | 5.039 | -0.1 | 84 | 0.00 |
| 79 | T | 2-Chlorotoluene | 3.089 | 2.964 | 4.0 | 86 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 3.547 | 3.617 | -2.0 | 86 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.441 | 0.422 | 4.3 | 81 | 0.00 |
| 82 | T | 4-Chlorotoluene | 3.020 | 2.968 | 1.7 | 86 | 0.00 |
| 83 | T | tert-Butylbenzene | 3.067 | 3.204 | -4.5 | 90 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 3.534 | 3.608 | -2.1 | 87 | 0.00 |
| 85 | T | sec-Butylbenzene | 4.264 | 4.456 | -4.5 | 87 | 0.00 |
| 86 | T | p-Isopropyltoluene | 3.542 | 3.687 | -4.1 | 88 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.843 | 1.783 | 3.3 | 87 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.811 | 1.799 | 0.7 | 87 | 0.00 |
| 89 | T | n-Butylbenzene | 3.085 | 3.222 | -4.4 | 87 | 0.00 |
| 90 | T | Hexachloroethane | 0.585 | 0.653 | -11.6 | 90 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.778 | 1.733 | 2.5 | 87 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.256 | 0.258 | -0.8 | 89 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 0.992 | 1.008 | -1.6 | 86 | 0.00 |
| 94 | T | Hexachlorobutadiene | 0.370 | 0.362 | 2.2 | 84 | 0.00 |
| 95 | T | Naphthalene | 3.634 | 3.737 | -2.8 | 89 | 0.00 |

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|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 0.984 | 1.009 | -2.5 | 87 | 0.00 |

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