Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021424\
Data File : VN081034.D
Acq On : 14 Feb 2024 18:55
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 19 Sample Multiplier: 1

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

Quant Time: Feb 15 08:05:51 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021424W.M
Quant Title : SW846 8260
QLast Update : Thu Feb 15 07:59:19 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 | 98 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.641 | 0.678 | -5.8 | 94 | 0.00 |
| 3 | P | Chloromethane | 0.872 | 0.730 | 16.3 | 94 | 0.00 |
| 4 | C | Vinyl Chloride | 0.673 | 0.662 | 1.6# | 97 | 0.00 |
| 5 | T | Bromomethane | 0.340 | 0.308 | 9.4 | 88 | 0.00 |
| 6 | T | Chloroethane | 0.433 | 0.397 | 8.3 | 94 | 0.00 |
| 7 | T | Trichlorofluoromethane | 0.948 | 0.921 | 2.8 | 98 | 0.00 |
| 8 | T | Diethyl Ether | 0.376 | 0.377 | -0.3 | 97 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.559 | 0.528 | 5.5 | 92 | 0.00 |
| 10 | T | Methyl Iodide | 0.568 | 0.504 | 11.3 | 83 | 0.00 |
| 11 | T | Tert butyl alcohol | 0.110 | 0.116 | -5.5 | 105 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 0.545 | 0.530 | 2.8# | 92 | 0.00 |
| 13 | T | Acrolein | 0.098 | 0.092 | 6.1 | 105 | 0.00 |
| 14 | T | Allyl chloride | 0.887 | 0.895 | -0.9 | 106 | 0.00 |
| 15 | T | Acrylonitrile | 0.283 | 0.287 | -1.4 | 101 | 0.00 |
| 16 | T | Acetone | 0.241 | 0.214 | 11.2 | 94 | 0.00 |
| 17 | T | Carbon Disulfide | 1.579 | 1.392 | 11.8 | 89 | 0.00 |
| 18 | T | Methyl Acetate | 0.634 | 0.685 | -8.0 | 109 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 1.901 | 1.937 | -1.9 | 100 | 0.00 |
| 20 | T | Methylene Chloride | 0.627 | 0.604 | 3.7 | 97 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 0.599 | 0.569 | 5.0 | 95 | 0.00 |
| 22 | T | Diisopropyl ether | 1.941 | 1.926 | 0.8 | 97 | 0.00 |
| 23 | T | Vinyl Acetate | 1.565 | 1.557 | 0.5 | 96 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 1.082 | 1.085 | -0.3 | 98 | 0.00 |
| 25 | T | 2-Butanone | 0.391 | 0.379 | 3.1 | 99 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 0.996 | 0.952 | 4.4 | 91 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 0.692 | 0.667 | 3.6 | 95 | 0.00 |
| 28 | T | Bromochloromethane | 0.437 | 0.419 | 4.1 | 97 | 0.00 |
| 29 | T | Tetrahydrofuran | 0.251 | 0.258 | -2.8 | 103 | 0.00 |
| 30 | C | Chloroform | 1.162 | 1.128 | 2.9# | 97 | 0.00 |
| 31 | T | Cyclohexane | 1.068 | 0.963 | 9.8 | 95 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 1.026 | 1.008 | 1.8 | 96 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.615 | 0.586 | 4.7 | 96 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 99 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.287 | 0.268 | 6.6 | 94 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.478 | 0.455 | 4.8 | 92 | 0.00 |
| 37 | T | Ethyl Acetate | 0.438 | 0.455 | -3.9 | 102 | 0.00 |
| 38 | T | Carbon Tetrachloride | 0.350 | 0.414 | -18.3 | 107 | 0.00 |
| 39 | T | Methylcyclohexane | 0.588 | 0.542 | 7.8 | 88 | 0.00 |
| 40 | TM | Benzene | 1.414 | 1.366 | 3.4 | 96 | 0.00 |
| 41 | T | Methacrylonitrile | 0.266 | 0.261 | 1.9 | 98 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 0.502 | 0.497 | 1.0 | 98 | 0.00 |
| 43 | T | Isopropyl Acetate | 0.820 | 0.808 | 1.5 | 99 | 0.00 |
| 44 | TM | Trichloroethene | 0.419 | 0.367 | 12.4 | 88 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.350 | 0.344 | 1.7# | 95 | 0.00 |
| 46 | T | Dibromomethane | 0.247 | 0.243 | 1.6 | 98 | 0.00 |
| 47 | T | Bromodichloromethane | 0.484 | 0.491 | -1.4 | 97 | 0.00 |
| 48 | T | Methyl methacrylate | 0.386 | 0.380 | 1.6 | 99 | 0.00 |

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ALS Vial : 19 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 | 0.009 | 0.007 | 22.2 | 94 | 0.00 |
| 50 | S | Toluene-d8 | 1.011 | 0.895 | 11.5 | 88 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.457 | 0.456 | 0.2 | 99 | 0.00 |
| 52 | CM | Toluene | 0.884 | 0.821 | 7.1# | 92 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.570 | 0.550 | 3.5 | 93 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.603 | 0.583 | 3.3 | 94 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.332 | 0.322 | 3.0 | 94 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.544 | 0.536 | 1.5 | 94 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.594 | 0.582 | 2.0 | 95 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.270 | 0.252 | 6.7 | 91 | 0.00 |
| 59 | T | 2-Hexanone | 0.336 | 0.337 | -0.3 | 99 | 0.00 |
| 60 | T | Dibromochloromethane | 0.316 | 0.329 | -4.1 | 98 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.349 | 0.334 | 4.3 | 94 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.344 | 0.312 | 9.3 | 92 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 95 | 0.00 |
| 64 | T | Tetrachloroethene | 0.510 | 0.437 | 14.3 | 81 | 0.00 |
| 65 | PM | Chlorobenzene | 1.048 | 0.996 | 5.0 | 90 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.361 | 0.362 | -0.3 | 95 | 0.00 |
| 67 | C | Ethyl Benzene | 1.977 | 1.901 | 3.8# | 89 | 0.00 |
| 68 | T | m/p-Xylenes | 0.729 | 0.689 | 5.5 | 89 | 0.00 |
| 69 | T | o-Xylene | 0.707 | 0.673 | 4.8 | 90 | 0.00 |
| 70 | T | Styrene | 1.127 | 1.098 | 2.6 | 91 | 0.00 |
| 71 | P | Bromoform | 0.184 | 0.220 | -19.6 | 108 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 99 | 0.00 |
| 73 | T | Isopropylbenzene | 5.052 | 4.603 | 8.9 | 89 | 0.00 |
| 74 | T | N-amyl acetate | 2.324 | 2.204 | 5.2 | 96 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 1.240 | 1.182 | 4.7 | 96 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 1.105 | 1.142 | -3.3 | 103 | 0.00 |
| 77 | T | Bromobenzene | 1.023 | 0.954 | 6.7 | 95 | 0.00 |
| 78 | T | n-propylbenzene | 5.765 | 5.378 | 6.7 | 91 | 0.00 |
| 79 | T | 2-Chlorotoluene | 3.330 | 3.100 | 6.9 | 93 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 3.919 | 3.688 | 5.9 | 94 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.475 | 0.460 | 3.2 | 96 | 0.00 |
| 82 | T | 4-Chlorotoluene | 3.218 | 3.034 | 5.7 | 94 | 0.00 |
| 83 | T | tert-Butylbenzene | 3.356 | 3.102 | 7.6 | 93 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 3.776 | 3.589 | 5.0 | 95 | 0.00 |
| 85 | T | sec-Butylbenzene | 4.605 | 4.418 | 4.1 | 92 | 0.00 |
| 86 | T | p-Isopropyltoluene | 3.703 | 3.618 | 2.3 | 95 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.740 | 1.646 | 5.4 | 94 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.798 | 1.637 | 9.0 | 93 | 0.00 |
| 89 | T | n-Butylbenzene | 3.389 | 3.171 | 6.4 | 93 | 0.00 |
| 90 | T | Hexachloroethane | 0.111 | 0.232 | -109.0# | 316# | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.687 | 1.576 | 6.6 | 93 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.294 | 0.257 | 12.6 | 104 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 1.010 | 0.913 | 9.6 | 86 | 0.00 |
| 94 | T | Hexachlorobutadiene | 0.418 | 0.364 | 12.9 | 83 | 0.00 |
| 95 | T | Naphthalene | 3.595 | 3.366 | 6.4 | 92 | 0.00 |

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|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 0.990 | 0.915 | 7.6 | 88 | 0.00 |

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