Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022824\
Data File : VN081260.D
Acq On : 28 Feb 2024 22:05
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 26 Sample Multiplier: 1

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

Quant Time: Feb 28 23:34:26 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 | 54 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.647 | 0.720 | -11.3 | 56 | 0.00 |
| 3 | P | Chloromethane | 0.833 | 0.718 | 13.8 | 54 | 0.00 |
| 4 | C | Vinyl Chloride | 0.718 | 0.782 | -8.9# | 60 | 0.00 |
| 5 | T | Bromomethane | 0.510 | 0.458 | 10.2 | 51 | 0.00 |
| 6 | T | Chloroethane | 0.556 | 0.560 | -0.7 | 65 | 0.00 |
| 7 | T | Trichlorofluoromethane | 1.049 | 1.248 | -19.0 | 65 | 0.00 |
| 8 | T | Diethyl Ether | 0.384 | 0.441 | -14.8 | 62 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.585 | 0.708 | -21.0 | 66 | 0.00 |
| 10 | T | Methyl Iodide | 0.653 | 0.671 | -2.8 | 53 | 0.00 |
| 11 | T | Tert butyl alcohol | 0.113 | 0.131 | -15.9 | 69 | 0.01 |
| 12 | CM | 1,1-Dichloroethene | 0.565 | 0.637 | -12.7# | 62 | 0.00 |
| 13 | T | Acrolein | 0.060 | 0.058 | 3.3 | 57 | 0.00 |
| 14 | T | Allyl chloride | 0.839 | 0.920 | -9.7 | 60 | 0.01 |
| 15 | T | Acrylonitrile | 0.294 | 0.392 | -33.3# | 75 | 0.00 |
| 16 | T | Acetone | 0.241 | 0.288 | -19.5 | 69 | 0.00 |
| 17 | T | Carbon Disulfide | 1.577 | 1.520 | 3.6 | 54 | 0.00 |
| 18 | T | Methyl Acetate | 0.588 | 0.914 | -55.4# | 83 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 1.937 | 2.396 | -23.7 | 67 | 0.00 |
| 20 | T | Methylene Chloride | 0.693 | 0.772 | -11.4 | 67 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 0.631 | 0.701 | -11.1 | 63 | 0.00 |
| 22 | T | Diisopropyl ether | 1.903 | 2.420 | -27.2# | 69 | 0.00 |
| 23 | T | Vinyl Acetate | 1.544 | 1.898 | -22.9 | 66 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 1.100 | 1.386 | -26.0# | 69 | 0.00 |
| 25 | T | 2-Butanone | 0.390 | 0.501 | -28.5# | 73 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 1.031 | 1.068 | -3.6 | 56 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 0.733 | 0.877 | -19.6 | 66 | 0.00 |
| 28 | T | Bromochloromethane | 0.456 | 0.607 | -33.1# | 73 | 0.00 |
| 29 | T | Tetrahydrofuran | 0.260 | 0.330 | -26.9# | 72 | 0.00 |
| 30 | C | Chloroform | 1.170 | 1.531 | -30.9# | 72 | 0.00 |
| 31 | T | Cyclohexane | 1.058 | 1.129 | -6.7 | 63 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 1.065 | 1.297 | -21.8 | 67 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.613 | 0.765 | -24.8 | 71 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 55 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.283 | 0.347 | -22.6 | 70 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.484 | 0.551 | -13.8 | 65 | 0.00 |
| 37 | T | Ethyl Acetate | 0.437 | 0.559 | -27.9# | 73 | 0.00 |
| 38 | T | Carbon Tetrachloride | 0.490 | 0.592 | -20.8 | 65 | 0.00 |
| 39 | T | Methylcyclohexane | 0.565 | 0.621 | -9.9 | 61 | 0.00 |
| 40 | TM | Benzene | 1.402 | 1.703 | -21.5 | 68 | 0.00 |
| 41 | T | Methacrylonitrile | 0.249 | 0.314 | -26.1# | 78 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 0.489 | 0.607 | -24.1 | 70 | 0.00 |
| 43 | T | Isopropyl Acetate | 0.765 | 0.958 | -25.2# | 70 | 0.00 |
| 44 | TM | Trichloroethene | 0.373 | 0.432 | -15.8 | 67 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.351 | 0.434 | -23.6# | 69 | 0.00 |
| 46 | T | Dibromomethane | 0.256 | 0.315 | -23.0 | 71 | 0.00 |
| 47 | T | Bromodichloromethane | 0.484 | 0.619 | -27.9# | 69 | 0.00 |
| 48 | T | Methyl methacrylate | 0.356 | 0.458 | -28.7# | 74 | 0.00 |

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Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 26 Sample Multiplier: 1

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

Quant Time: Feb 28 23:34:26 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) |
|---|---|---|---|---|---|---|---|
| 49 | T | 1,4-Dioxane | 0.008 | 0.009 | -12.5 | 71 | 0.00 |
| 50 | S | Toluene-d8 | 1.004 | 1.112 | -10.8 | 65 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.440 | 0.596 | -35.5# | 76 | 0.00 |
| 52 | CM | Toluene | 0.888 | 1.082 | -21.8# | 67 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.538 | 0.646 | -20.1 | 63 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.581 | 0.693 | -19.3 | 65 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.341 | 0.449 | -31.7# | 71 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.522 | 0.662 | -26.8# | 68 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.590 | 0.757 | -28.3# | 72 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.262 | 0.345 | -31.7# | 73 | 0.00 |
| 59 | T | 2-Hexanone | 0.349 | 0.442 | -26.6# | 67 | 0.00 |
| 60 | T | Dibromochloromethane | 0.363 | 0.468 | -28.9# | 67 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.359 | 0.452 | -25.9# | 69 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.377 | 0.455 | -20.7 | 70 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 59 | 0.00 |
| 64 | T | Tetrachloroethene | 0.341 | 0.430 | -26.1# | 80 | 0.00 |
| 65 | PM | Chlorobenzene | 1.082 | 1.185 | -9.5 | 66 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.389 | 0.443 | -13.9 | 66 | 0.00 |
| 67 | C | Ethyl Benzene | 1.936 | 2.205 | -13.9# | 67 | 0.00 |
| 68 | T | m/p-Xylenes | 0.742 | 0.831 | -12.0 | 65 | 0.00 |
| 69 | T | o-Xylene | 0.736 | 0.818 | -11.1 | 65 | 0.00 |
| 70 | T | Styrene | 1.166 | 1.362 | -16.8 | 67 | 0.00 |
| 71 | P | Bromoform | 0.247 | 0.309 | -25.1# | 68 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 63 | 0.00 |
| 73 | T | Isopropylbenzene | 4.375 | 4.714 | -7.7 | 68 | 0.00 |
| 74 | T | N-amyl acetate | 1.849 | 1.953 | -5.6 | 66 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 1.230 | 1.428 | -16.1 | 75 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 1.136 | 1.140 | -0.4 | 67 | 0.00 |
| 77 | T | Bromobenzene | 0.975 | 1.050 | -7.7 | 70 | 0.00 |
| 78 | T | n-propylbenzene | 5.036 | 5.607 | -11.3 | 68 | 0.00 |
| 79 | T | 2-Chlorotoluene | 3.089 | 3.301 | -6.9 | 70 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 3.547 | 3.988 | -12.4 | 69 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.441 | 0.453 | -2.7 | 63 | 0.00 |
| 82 | T | 4-Chlorotoluene | 3.020 | 3.268 | -8.2 | 69 | 0.00 |
| 83 | T | tert-Butylbenzene | 3.067 | 3.439 | -12.1 | 70 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 3.534 | 4.007 | -13.4 | 70 | 0.00 |
| 85 | T | sec-Butylbenzene | 4.264 | 4.954 | -16.2 | 71 | 0.00 |
| 86 | T | p-Isopropyltoluene | 3.542 | 4.073 | -15.0 | 71 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.843 | 1.996 | -8.3 | 71 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.811 | 1.977 | -9.2 | 70 | 0.00 |
| 89 | T | n-Butylbenzene | 3.085 | 3.623 | -17.4 | 71 | 0.00 |
| 90 | T | Hexachloroethane | 0.585 | 0.705 | -20.5 | 71 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.778 | 1.928 | -8.4 | 70 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.256 | 0.292 | -14.1 | 74 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 0.992 | 1.046 | -5.4 | 65 | 0.00 |
| 94 | T | Hexachlorobutadiene | 0.370 | 0.376 | -1.6 | 64 | 0.00 |
| 95 | T | Naphthalene | 3.634 | 3.940 | -8.4 | 68 | 0.00 |

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| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 0.984 | 1.090 | -10.8 | 69 | 0.00 |

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