Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010421\
Data File : VN065376.D
Acq On : 4 Jan 2021 15:08
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA_N/wATER
ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: Jan 05 00:58:41 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122220w.M
Quant Title : SW846 8260
QLast Update : Tue Dec 22 15:42:18 2020
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 | 123 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.463 | 0.431 | 6.9 | 108 | 0.00 |
| 3 | P | Chloromethane | 0.527 | 0.538 | -2.1 | 121 | 0.00 |
| 4 | C | Vinyl Chloride | 0.548 | 0.580 | -5.8# | 124 | 0.00 |
| 5 | T | Bromomethane | 0.389 | 0.410 | -5.4 | 127 | 0.00 |
| 6 | T | Chloroethane | 0.354 | 0.372 | -5.1 | 123 | 0.00 |
| 7 | T | Trichlorofluoromethane | 0.820 | 0.770 | 6.1 | 112 | 0.00 |
| 8 | T | Diethyl Ether | 0.323 | 0.317 | 1.9 | 121 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.460 | 0.449 | 2.4 | 119 | 0.00 |
| 10 | T | Methyl Iodide | 0.694 | 0.689 | 0.7 | 115 | 0.00 |
| 11 | T | Tert butyl alcohol | 0.092 | 0.083 | 9.8 | 107 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 0.491 | 0.463 | 5.7# | 117 | 0.00 |
| 13 | T | Acrolein | 0.065 | 0.055 | 15.4 | 106 | 0.00 |
| 14 | T | Allyl chloride | 0.810 | 0.730 | 9.9 | 108 | 0.00 |
| 15 | T | Acrylonitrile | 0.223 | 0.222 | 0.4 | 117 | 0.00 |
| 16 | T | Acetone | 0.260 | 0.183 | 29.6# | 92 | 0.00 |
| 17 | T | Carbon Disulfide | 1.257 | 1.159 | 7.8 | 108 | 0.00 |
| 18 | T | Methyl Acetate | 0.507 | 0.505 | 0.4 | 119 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 1.560 | 1.473 | 5.6 | 114 | 0.00 |
| 20 | T | Methylene Chloride | 0.551 | 0.520 | 5.6 | 123 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 0.482 | 0.480 | 0.4 | 119 | 0.00 |
| 22 | T | Diisopropyl ether | 1.611 | 1.545 | 4.1 | 117 | 0.00 |
| 23 | T | Vinyl Acetate | 1.358 | 1.262 | 7.1 | 110 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 0.884 | 0.888 | -0.5 | 120 | 0.00 |
| 25 | T | 2-Butanone | 0.317 | 0.282 | 11.0 | 105 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 0.844 | 0.746 | 11.6 | 109 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 0.561 | 0.572 | -2.0 | 122 | 0.00 |
| 28 | T | Bromochloromethane | 0.379 | 0.363 | 4.2 | 118 | 0.00 |
| 29 | T | Tetrahydrofuran | 0.205 | 0.183 | 10.7 | 108 | 0.00 |
| 30 | C | Chloroform | 0.910 | 0.900 | 1.1# | 119 | 0.00 |
| 31 | T | Cyclohexane | 0.833 | 0.740 | 11.2 | 112 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 0.824 | 0.774 | 6.1 | 113 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.564 | 0.523 | 7.3 | 112 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 120 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.302 | 0.309 | -2.3 | 122 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.455 | 0.460 | -1.1 | 120 | 0.00 |
| 37 | T | Ethyl Acetate | 0.451 | 0.413 | 8.4 | 107 | 0.00 |
| 38 | T | Carbon Tetrachloride | 0.477 | 0.452 | 5.2 | 112 | 0.00 |
| 39 | T | Methylcyclohexane | 0.546 | 0.534 | 2.2 | 113 | 0.00 |
| 40 | TM | Benzene | 1.352 | 1.398 | -3.4 | 123 | 0.00 |
| 41 | T | Methacrylonitrile | 0.234 | 0.203 | 13.2 | 108 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 0.500 | 0.467 | 6.6 | 112 | 0.00 |
| 43 | T | Isopropyl Acetate | 0.777 | 0.696 | 10.4 | 104 | 0.00 |
| 44 | TM | Trichloroethene | 0.390 | 0.404 | -3.6 | 123 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.352 | 0.369 | -4.8# | 123 | 0.00 |
| 46 | T | Dibromomethane | 0.239 | 0.243 | -1.7 | 121 | 0.00 |
| 47 | T | Bromodichloromethane | 0.503 | 0.497 | 1.2 | 117 | 0.00 |
| 48 | T | Methyl methacrylate | 0.377 | 0.345 | 8.5 | 108 | 0.00 |
| 49 | T | 1,4-Dioxane | 0.006 | 0.007 | -16.7 | 127 | 0.00 |

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Sample : VSTDCCC050
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: Jan 05 00:58:41 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122220W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 22 15:42:18 2020
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) |
|---|---|---|---|---|---|---|---|
| 50 | S | Toluene-d8 | 1.131 | 1.177 | -4.1 | 124 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.437 | 0.410 | 6.2 | 110 | 0.00 |
| 52 | CM | Toluene | 0.852 | 0.901 | -5.8# | 125 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.567 | 0.561 | 1.1 | 116 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.603 | 0.604 | -0.2 | 120 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.337 | 0.356 | -5.6 | 124 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.522 | 0.525 | -0.6 | 118 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.557 | 0.592 | -6.3 | 124 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.227 | 0.212 | 6.6 | 112 | 0.00 |
| 59 | T | 2-Hexanone | 0.321 | 0.299 | 6.9 | 107 | 0.00 |
| 60 | T | Dibromochloromethane | 0.402 | 0.410 | -2.0 | 120 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.362 | 0.375 | -3.6 | 122 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.424 | 0.446 | -5.2 | 126 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 124 | 0.00 |
| 64 | T | Tetrachloroethene | 0.486 | 0.480 | 1.2 | 125 | 0.00 |
| 65 | PM | Chlorobenzene | 1.018 | 1.069 | -5.0 | 128 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.396 | 0.407 | -2.8 | 125 | 0.00 |
| 67 | C | Ethyl Benzene | 1.834 | 1.869 | -1.9# | 125 | 0.00 |
| 68 | T | m/p-Xylenes | 0.691 | 0.724 | -4.8 | 128 | 0.00 |
| 69 | T | o-Xylene | 0.671 | 0.697 | -3.9 | 127 | 0.00 |
| 70 | T | Styrene | 1.119 | 1.198 | -7.1 | 129 | 0.00 |
| 71 | P | Bromoform | 0.341 | 0.342 | -0.3 | 120 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 132 | 0.00 |
| 73 | T | Isopropylbenzene | 3.808 | 3.540 | 7.0 | 126 | 0.00 |
| 74 | T | N-amyl acetate | 1.516 | 1.291 | 14.8 | 110 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 1.027 | 0.992 | 3.4 | 130 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 1.020 | 1.007 | 1.3 | 139 | 0.00 |
| 77 | T | Bromobenzene | 0.995 | 0.983 | 1.2 | 133 | 0.00 |
| 78 | T | n-propylbenzene | 4.299 | 4.022 | 6.4 | 125 | 0.00 |
| 79 | T | 2-Chlorotoluene | 2.532 | 2.400 | 5.2 | 126 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 3.247 | 3.057 | 5.9 | 127 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.405 | 0.353 | 12.8 | 114 | 0.00 |
| 82 | T | 4-Chlorotoluene | 2.607 | 2.510 | 3.7 | 129 | 0.00 |
| 83 | T | tert-Butylbenzene | 2.767 | 2.621 | 5.3 | 128 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 3.162 | 3.068 | 3.0 | 130 | 0.00 |
| 85 | T | sec-Butylbenzene | 3.671 | 3.455 | 5.9 | 127 | 0.00 |
| 86 | T | p-Isopropyltoluene | 3.365 | 3.194 | 5.1 | 127 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.664 | 1.709 | -2.7 | 135 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.671 | 1.700 | -1.7 | 134 | 0.00 |
| 89 | T | n-Butylbenzene | 2.876 | 2.681 | 6.8 | 122 | 0.00 |
| 90 | T | Hexachloroethane | 0.579 | 0.555 | 4.1 | 124 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.598 | 1.682 | -5.3 | 137 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.212 | 0.190 | 10.4 | 114 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 0.806 | 0.965 | -19.7 | 134 | 0.00 |
| 94 | T | Hexachlorobutadiene | 0.631 | 0.583 | 7.6 | 129 | 0.00 |
| 95 | T | Naphthalene | 2.105 | 2.342 | -11.3 | 128 | 0.00 |
| 96 | T | 1,2,3-Trichlorobenzene | 0.764 | 0.877 | -14.8 | 135 | 0.02 |

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MSVOA_N
**LabSampleId :**
VSTDCCC050

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Quant Title : SW846 8260
QLast Update : Tue Dec 22 15:42:18 2020
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) |
|---|---|---|---|---|---|

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