# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN080320\
Data File : VN062725.D
Acq On : 3 Aug 2020 9:21
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Aug 04 04:09:06 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072120W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 21 18:48:59 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 | 72 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.596 | 0.577 | 3.2 | 73 | 0.00 |
| 3 | P | Chloromethane | 0.809 | 0.608 | 24.8 | 58 | 0.00 |
| 4 | C | Vinyl Chloride | 0.701 | 0.583 | 16.8# | 61 | 0.00 |
| 5 | T | Bromomethane | 0.311 | 0.350 | -12.5 | 86 | -0.02 |
| 6 | T | Chloroethane | 0.317 | 0.349 | -10.1 | 79 | 0.00 |
| 7 | T | Trichlorofluoromethane | 0.823 | 1.000 | -21.5 | 87 | 0.00 |
| 8 | T | Diethyl Ether | 0.385 | 0.353 | 8.3 | 66 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.528 | 0.544 | -3.0 | 77 | 0.00 |
| 10 | T | Methyl Iodide | 0.675 | 0.684 | -1.3 | 72 | 0.00 |
| 11 | T | Tert butyl alcohol | 0.124 | 0.103 | 16.9 | 62 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 0.535 | 0.504 | 5.8# | 69 | 0.00 |
| 13 | T | Acrolein | 0.120 | 0.083 | 30.8# | 46# | 0.00 |
| 14 | T | Allyl chloride | 1.158 | 0.975 | 15.8 | 61 | 0.00 |
| 15 | T | Acrylonitrile | 0.331 | 0.292 | 11.8 | 62 | 0.00 |
| 16 | T | Acetone | 0.292 | 0.388 | -32.9# | 98 | 0.00 |
| 17 | T | Carbon Disulfide | 1.759 | 1.451 | 17.5 | 63 | 0.00 |
| 18 | T | Methyl Acetate | 0.740 | 0.685 | 7.4 | 68 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 1.970 | 2.006 | -1.8 | 72 | 0.00 |
| 20 | T | Methylene Chloride | 0.701 | 0.616 | 12.1 | 67 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 0.594 | 0.560 | 5.7 | 69 | 0.00 |
| 22 | T | Diisopropyl ether | 2.302 | 2.018 | 12.3 | 62 | 0.00 |
| 23 | T | Vinyl Acetate | 1.886 | 1.695 | 10.1 | 62 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 1.240 | 1.165 | 6.0 | 68 | 0.00 |
| 25 | T | 2-Butanone | 0.445 | 0.436 | 2.0 | 69 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 1.018 | 1.104 | -8.4 | 81 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 0.678 | 0.648 | 4.4 | 70 | 0.00 |
| 28 | T | Bromochloromethane | 0.610 | 0.538 | 11.8 | 62 | 0.00 |
| 29 | T | Tetrahydrofuran | 0.301 | 0.252 | 16.3 | 58 | 0.00 |
| 30 | C | Chloroform | 1.179 | 1.191 | -1.0# | 74 | 0.00 |
| 31 | T | Cyclohexane | 1.144 | 0.970 | 15.2 | 64 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 0.984 | 1.083 | -10.1 | 80 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.777 | 0.767 | 1.3 | 72 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 69 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.328 | 0.325 | 0.9 | 68 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.533 | 0.565 | -6.0 | 73 | 0.00 |
| 37 | T | Ethyl Acetate | 0.574 | 0.521 | 9.2 | 60 | 0.00 |
| 38 | T | Carbon Tetrachloride | 0.512 | 0.618 | -20.7 | 81 | 0.00 |
| 39 | T | Methylcyclohexane | 0.574 | 0.618 | -7.7 | 73 | 0.00 |
| 40 | TM | Benzene | 1.613 | 1.578 | 2.2 | 67 | 0.00 |
| 41 | T | Methacrylonitrile | 0.246 | 0.220 | 10.6 | 63 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 0.590 | 0.680 | -15.3 | 78 | 0.00 |
| 43 | T | Isopropyl Acetate | 0.926 | 0.897 | 3.1 | 63 | 0.00 |
| 44 | TM | Trichloroethene | 0.364 | 0.378 | -3.8 | 71 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.453 | 0.432 | 4.6# | 65 | 0.00 |

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

Quant Time: Aug 04 04:09:06 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072120W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 21 18:48:59 2020
Response via : Initial Calibration

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Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 46 | T | Dibromomethane | 0.262 | 0.279 | -6.5 | 72 | 0.00 |
| 47 | T | Bromodichloromethane | 0.567 | 0.619 | -9.2 | 74 | 0.00 |
| 48 | T | Methyl methacrylate | 0.440 | 0.445 | -1.1 | 66 | 0.00 |
| 49 | T | 1,4-Dioxane | 0.007 | 0.007 | 0.0 | 63 | 0.00 |
| 50 | S | Toluene-d8 | 1.310 | 1.285 | 1.9 | 68 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.554 | 0.539 | 2.7 | 63 | 0.00 |
| 52 | CM | Toluene | 0.937 | 1.000 | -6.7# | 71 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.631 | 0.698 | -10.6 | 73 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.678 | 0.728 | -7.4 | 71 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.363 | 0.391 | -7.7 | 72 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.581 | 0.630 | -8.4 | 68 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.666 | 0.700 | -5.1 | 70 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.166 | 0.198 | -19.3 | 75 | 0.00 |
| 59 | T | 2-Hexanone | 0.393 | 0.422 | -7.4 | 67 | 0.00 |
| 60 | T | Dibromochloromethane | 0.405 | 0.456 | -12.6 | 74 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.378 | 0.398 | -5.3 | 70 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.479 | 0.497 | -3.8 | 71 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 69 | 0.00 |
| 64 | T | Tetrachloroethene | 0.325 | 0.335 | -3.1 | 74 | 0.00 |
| 65 | PM | Chlorobenzene | 1.048 | 1.089 | -3.9 | 72 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.394 | 0.436 | -10.7 | 77 | 0.00 |
| 67 | C | Ethyl Benzene | 1.922 | 2.067 | -7.5# | 73 | 0.00 |
| 68 | T | m/p-Xylenes | 0.691 | 0.753 | -9.0 | 73 | 0.00 |
| 69 | T | o-Xylene | 0.656 | 0.722 | -10.1 | 74 | 0.00 |
| 70 | T | Styrene | 1.108 | 1.272 | -14.8 | 75 | 0.00 |
| 71 | P | Bromoform | 0.296 | 0.337 | -13.9 | 76 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 75 | 0.00 |
| 73 | T | Isopropylbenzene | 3.954 | 4.013 | -1.5 | 77 | 0.00 |
| 74 | T | N-amyl acetate | 1.766 | 1.650 | 6.6 | 64 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 1.374 | 1.189 | 13.5 | 68 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 1.273 | 1.170 | 8.1 | 70 | 0.00 |
| 77 | T | Bromobenzene | 0.950 | 0.928 | 2.3 | 76 | 0.00 |
| 78 | T | n-propylbenzene | 4.631 | 4.714 | -1.8 | 76 | 0.00 |
| 79 | T | 2-Chlorotoluene | 2.854 | 2.855 | -0.0 | 76 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 3.279 | 3.588 | -9.4 | 79 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.457 | 0.447 | 2.2 | 73 | 0.00 |
| 82 | T | 4-Chlorotoluene | 2.971 | 3.011 | -1.3 | 77 | 0.00 |
| 83 | T | tert-Butylbenzene | 2.723 | 2.903 | -6.6 | 78 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 3.217 | 3.554 | -10.5 | 81 | 0.00 |
| 85 | T | sec-Butylbenzene | 3.646 | 3.967 | -8.8 | 80 | 0.00 |
| 86 | T | p-Isopropyltoluene | 3.136 | 3.635 | -15.9 | 84 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.667 | 1.735 | -4.1 | 80 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.641 | 1.692 | -3.1 | 78 | 0.00 |
| 89 | T | n-Butylbenzene | 2.694 | 3.152 | -17.0 | 86 | 0.00 |

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**LabSampleId :** VSTDCCC050

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Response via : Initial Calibration

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Max. RRF Dev : 25% Max. Rel. Area : 150%

| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 90 T | Hexachloroethane | 0.668 | 0.669 | -0.1 | 79 | 0.00 |
| 91 T | 1,2-Dichlorobenzene | 1.594 | 1.655 | -3.8 | 78 | 0.00 |
| 92 T | 1,2-Dibromo-3-Chloropropane | 0.249 | 0.267 | -7.2 | 80 | 0.00 |
| 93 T | 1,2,4-Trichlorobenzene | 0.740 | 0.846 | -14.3 | 82 | 0.00 |
| 94 T | Hexachlorobutadiene | 0.474 | 0.567 | -19.6 | 97 | 0.00 |
| 95 T | Naphthalene | 2.031 | 2.109 | -3.8 | 78 | 0.00 |
| 96 T | 1,2,3-Trichlorobenzene | 0.751 | 0.849 | -13.0 | 83 | 0.00 |

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