# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN111218\
Data File : BN003512.D
Acq On : 12 Nov 2018 18:26
Operator : MJ/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** BNA_N
**LabSampleId :** SSTDCCC040

Quant Time: Nov 13 00:35:48 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-BN111218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 12 15:59:25 2018
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 | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 87 | 0.00 |
| 2 | | 1,4-Dioxane | 0.429 | 0.420 | 2.1 | 86 | 0.00 |
| 3 | | Pyridine | 1.281 | 1.264 | 1.3 | 85 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.391 | 0.390 | 0.3 | 86 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.109 | 1.119 | -0.9 | 86 | 0.00 |
| 6 | | Aniline | 1.901 | 1.938 | -1.9 | 87 | 0.00 |
| 7 | S | Phenol-d6 | 1.538 | 1.565 | -1.8 | 87 | 0.00 |
| 8 | | 2-Chlorophenol | 1.404 | 1.424 | -1.4 | 87 | 0.00 |
| 9 | | Benzaldehyde | 1.053 | 1.055 | -0.2 | 85 | 0.00 |
| 10 | C | Phenol | 1.659 | 1.672 | -0.8 | 86 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.316 | 1.333 | -1.3 | 87 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.584 | 1.579 | 0.3 | 86 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.618 | 1.633 | -0.9 | 87 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.565 | 1.577 | -0.8 | 88 | 0.00 |
| 15 | | Benzyl Alcohol | 1.146 | 1.165 | -1.7 | 87 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.687 | 1.692 | -0.3 | 87 | 0.01 |
| 17 | | 2-Methylphenol | 1.145 | 1.169 | -2.1 | 87 | 0.00 |
| 18 | | Hexachloroethane | 0.527 | 0.542 | -2.8 | 87 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.035 | 1.049 | -1.4 | 88 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.594 | 1.637 | -2.7 | 87 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 87 | 0.00 |
| 22 | | Acetophenone | 0.456 | 0.467 | -2.4 | 87 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.318 | 0.330 | -3.8 | 87 | 0.00 |
| 24 | | Nitrobenzene | 0.326 | 0.336 | -3.1 | 87 | 0.00 |
| 25 | | Isophorone | 0.550 | 0.561 | -2.0 | 87 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.185 | 0.192 | -3.8 | 88 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.265 | 0.273 | -3.0 | 87 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.383 | 0.392 | -2.3 | 87 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.312 | 0.326 | -4.5 | 88 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.355 | 0.362 | -2.0 | 88 | 0.00 |
| 31 | | Naphthalene | 0.974 | 0.980 | -0.6 | 87 | 0.00 |
| 32 | | Benzoic acid | 0.226 | 0.232 | -2.7 | 87 | -0.01 |
| 33 | | 4-Chloroaniline | 0.434 | 0.448 | -3.2 | 88 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.213 | 0.219 | -2.8 | 88 | 0.00 |
| 35 | | Caprolactam | 0.110 | 0.112 | -1.8 | 87 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.330 | 0.336 | -1.8 | 88 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.695 | 0.702 | -1.0 | 87 | 0.00 |
| 38 | | 1-Methylnaphthalene | 0.673 | 0.685 | -1.8 | 88 | 0.00 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 88 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.719 | 0.725 | -0.8 | 88 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 0.341 | 0.359 | -5.3 | 90 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 0.298 | 0.316 | -6.0 | 87 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 0.446 | 0.468 | -4.9 | 87 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 0.476 | 0.494 | -3.8 | 87 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | S | 2-Fluorobiphenyl | 1.498 | 1.504 | -0.4 | 87 | 0.00 |
| 46 | | 1,1'-Biphenyl | 1.771 | 1.793 | -1.2 | 88 | 0.00 |
| 47 | | 2-Chloronaphthalene | 1.333 | 1.342 | -0.7 | 87 | 0.00 |
| 48 | | 2-Nitroaniline | 0.332 | 0.340 | -2.4 | 88 | 0.00 |
| 49 | | Acenaphthylene | 1.966 | 2.008 | -2.1 | 88 | 0.00 |
| 50 | | Dimethylphthalate | 1.567 | 1.595 | -1.8 | 87 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 0.366 | 0.371 | -1.4 | 88 | 0.00 |
| 52 | C | Acenaphthene | 1.192 | 1.205 | -1.1 | 88 | 0.00 |
| 53 | | 3-Nitroaniline | 0.391 | 0.394 | -0.8 | 87 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 0.165 | 0.170 | -3.0 | 88 | 0.00 |
| 55 | | Dibenzofuran | 1.964 | 1.978 | -0.7 | 88 | 0.00 |
| 56 | P | 4-Nitrophenol | 0.299 | 0.307 | -2.7 | 88 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 0.494 | 0.503 | -1.8 | 87 | 0.00 |
| 58 | | Fluorene | 1.451 | 1.479 | -1.9 | 88 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.430 | 0.454 | -5.6 | 88 | 0.00 |
| 60 | | Diethylphthalate | 1.658 | 1.644 | 0.8 | 88 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 0.854 | 0.867 | -1.5 | 88 | 0.00 |
| 62 | | 4-Nitroaniline | 0.392 | 0.403 | -2.8 | 88 | 0.00 |
| 63 | | Azobenzene | 1.353 | 1.361 | -0.6 | 87 | 0.00 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 86 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.127 | 0.133 | -4.7 | 87 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 0.633 | 0.650 | -2.7 | 88 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 0.252 | 0.260 | -3.2 | 88 | 0.00 |
| 68 | | Hexachlorobenzene | 0.294 | 0.302 | -2.7 | 89 | 0.00 |
| 69 | | Atrazine | 0.237 | 0.245 | -3.4 | 88 | 0.00 |
| 70 | C | Pentachlorophenol | 0.196 | 0.201 | -2.6 | 86 | 0.00 |
| 71 | | Phenanthrene | 1.045 | 1.060 | -1.4 | 87 | 0.00 |
| 72 | | Anthracene | 1.021 | 1.052 | -3.0 | 87 | 0.00 |
| 73 | | Carbazole | 1.002 | 1.044 | -4.2 | 87 | 0.00 |
| 74 | | Di-n-butylphthalate | 1.183 | 1.230 | -4.0 | 88 | 0.00 |
| 75 | C | Fluoranthene | 1.126 | 1.147 | -1.9 | 87 | 0.00 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 85 | 0.00 |
| 77 | | Benzidine | 0.692 | 0.727 | -5.1 | 84 | 0.00 |
| 78 | | Pyrene | 1.350 | 1.402 | -3.9 | 86 | 0.00 |
| 79 | S | Terphenyl-d14 | 1.016 | 1.075 | -5.8 | 88 | 0.00 |
| 80 | | Butylbenzylphthalate | 0.579 | 0.617 | -6.6 | 89 | 0.00 |
| 81 | | Benzo(a)anthracene | 1.138 | 1.173 | -3.1 | 87 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 0.474 | 0.484 | -2.1 | 85 | 0.00 |
| 83 | | Chrysene | 1.088 | 1.112 | -2.2 | 86 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.839 | 0.903 | -7.6 | 89 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 1.246 | 1.329 | -6.7 | 87 | 0.00 |
| 86 | | Indeno(1,2,3-cd)pyrene | 1.149 | 1.182 | -2.9 | 86 | 0.00 |
| 87 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 84 | 0.00 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(b)fluoranthene | 1.114 | 1.158 | -3.9 | 86 | 0.00 |
| 89 | Benzo(k)fluoranthene | 1.108 | 1.125 | -1.5 | 84 | 0.00 |
| 90 C | Benzo(a)pyrene | 1.032 | 1.067 | -3.4 | 85 | 0.00 |
| 91 | Dibenzo(a,h)anthracene | 1.051 | 1.100 | -4.7 | 86 | 0.00 |
| 92 | Benzo(g,h,i)perylene | 1.022 | 1.062 | -3.9 | 85 | 0.00 |

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