# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA F\Data\BF031518\
Data File : BF103682.D
Acq On : 15 Mar 2018 21:36
Operator : JU/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** BNA_F
**LabSampleId :** SSTDCCC040

Quant Time: Mar 16 04:31:42 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 15 18:31:53 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 | 99 | 0.00 |
| 2 | | 1,4-Dioxane | 0.647 | 0.653 | -0.9 | 98 | 0.00 |
| 3 | | Pyridine | 1.781 | 1.780 | 0.1 | 99 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.657 | 0.652 | 0.8 | 98 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.315 | 1.326 | -0.8 | 99 | 0.00 |
| 6 | | Aniline | 2.297 | 2.341 | -1.9 | 100 | 0.00 |
| 7 | S | Phenol-d6 | 1.609 | 1.620 | -0.7 | 100 | 0.00 |
| 8 | | 2-Chlorophenol | 1.377 | 1.414 | -2.7 | 100 | 0.00 |
| 9 | | Benzaldehyde | 1.057 | 1.066 | -0.9 | 100 | 0.00 |
| 10 | C | Phenol | 1.709 | 1.719 | -0.6 | 100 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.411 | 1.419 | -0.6 | 100 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.569 | 1.584 | -1.0 | 100 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.576 | 1.574 | 0.1 | 99 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.463 | 1.477 | -1.0 | 101 | 0.00 |
| 15 | | Benzyl Alcohol | 1.246 | 1.279 | -2.6 | 101 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 2.007 | 2.005 | 0.1 | 99 | 0.00 |
| 17 | | 2-Methylphenol | 1.227 | 1.248 | -1.7 | 100 | 0.00 |
| 18 | | Hexachloroethane | 0.555 | 0.584 | -5.2 | 102 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.031 | 1.034 | -0.3 | 100 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.557 | 1.603 | -3.0 | 101 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 22 | | Acetophenone | 0.514 | 0.504 | 1.9 | 99 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.287 | 0.333 | -16.0 | 110 | 0.00 |
| 24 | | Nitrobenzene | 0.337 | 0.374 | -11.0 | 106 | 0.00 |
| 25 | | Isophorone | 0.664 | 0.652 | 1.8 | 100 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.110 | 0.152 | -38.2# | 135 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.284 | 0.292 | -2.8 | 103 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.402 | 0.398 | 1.0 | 100 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.259 | 0.269 | -3.9 | 101 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.300 | 0.300 | 0.0 | 100 | 0.00 |
| 31 | | Naphthalene | 1.010 | 0.994 | 1.6 | 100 | 0.00 |
| 32 | | Benzoic acid | 0.171 | 0.234 | -36.8# | 135 | 0.00 |
| 33 | | 4-Chloroaniline | 0.424 | 0.428 | -0.9 | 100 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.165 | 0.163 | 1.2 | 99 | 0.00 |
| 35 | | Caprolactam | 0.089 | 0.092 | -3.4 | 102 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.285 | 0.297 | -4.2 | 102 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.641 | 0.641 | 0.0 | 100 | 0.00 |
| 38 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 101 | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 0.571 | 0.581 | -1.8 | 103 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 0.294 | 0.333 | -13.3 | 108 | 0.00 |
| 41 | S | 2,4,6-Tribromophenol | 0.172 | 0.196 | -14.0 | 107 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 0.365 | 0.399 | -9.3 | 104 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 0.412 | 0.450 | -9.2 | 105 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 1.254 | 1.211 | 3.4 | 101 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 1.668 | 1.663 | 0.3 | 101 | 0.00 |
| 46 | | 2-Chloronaphthalene | 1.325 | 1.322 | 0.2 | 101 | 0.00 |
| 47 | | 2-Nitroaniline | 0.309 | 0.399 | -29.1# | 122 | 0.00 |
| 48 | | Acenaphthylene | 2.054 | 2.034 | 1.0 | 101 | 0.00 |
| 49 | | Dimethylphthalate | 1.526 | 1.519 | 0.5 | 101 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 0.274 | 0.323 | -17.9 | 112 | 0.00 |
| 51 | C | Acenaphthene | 1.220 | 1.239 | -1.6 | 103 | 0.00 |
| 52 | | 3-Nitroaniline | 0.331 | 0.388 | -17.2 | 111 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 0.057 | 0.089 | -56.1# | 174# | 0.00 |
| 54 | | Dibenzofuran | 1.742 | 1.726 | 0.9 | 101 | 0.00 |
| 55 | P | 4-Nitrophenol | 0.245 | 0.295 | -20.4 | 114 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 0.336 | 0.418 | -24.4 | 116 | 0.00 |
| 57 | | Fluorene | 1.352 | 1.329 | 1.7 | 100 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 0.292 | 0.334 | -14.4 | 107 | 0.00 |
| 59 | | Diethylphthalate | 1.514 | 1.511 | 0.2 | 101 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 0.618 | 0.616 | 0.3 | 102 | 0.00 |
| 61 | | 4-Nitroaniline | 0.319 | 0.373 | -16.9 | 110 | 0.00 |
| 62 | | Azobenzene | 1.540 | 1.512 | 1.8 | 99 | 0.00 |
| 63 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.065 | 0.095 | -46.2# | 147 | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 0.681 | 0.688 | -1.0 | 101 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 0.205 | 0.211 | -2.9 | 101 | 0.00 |
| 67 | | Hexachlorobenzene | 0.234 | 0.236 | -0.9 | 101 | 0.00 |
| 68 | | Atrazine | 0.211 | 0.216 | -2.4 | 101 | 0.00 |
| 69 | C | Pentachlorophenol | 0.135 | 0.152 | -12.6 | 106 | 0.00 |
| 70 | | Phenanthrene | 1.094 | 1.087 | 0.6 | 101 | 0.00 |
| 71 | | Anthracene | 1.111 | 1.094 | 1.5 | 100 | 0.00 |
| 72 | | Carbazole | 1.080 | 1.068 | 1.1 | 99 | 0.00 |
| 73 | | Di-n-butylphthalate | 1.296 | 1.324 | -2.2 | 101 | 0.00 |
| 74 | C | Fluoranthene | 1.127 | 1.106 | 1.9 | 98 | 0.00 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 94 | 0.00 |
| 76 | | Benzidine | 0.853 | 0.882 | -3.4 | 95 | 0.00 |
| 77 | | Pyrene | 1.469 | 1.511 | -2.9 | 99 | 0.00 |
| 78 | S | Terphenyl-d14 | 0.862 | 0.852 | 1.2 | 96 | 0.00 |
| 79 | | Butylbenzylphthalate | 0.651 | 0.703 | -8.0 | 98 | 0.00 |
| 80 | | Benzo(a)anthracene | 1.266 | 1.262 | 0.3 | 94 | 0.00 |
| 81 | | 3,3'-Dichlorobenzidine | 0.423 | 0.445 | -5.2 | 93 | 0.00 |
| 82 | | Chrysene | 1.207 | 1.208 | -0.1 | 95 | 0.00 |
| 83 | | Bis(2-ethylhexyl)phthalate | 0.930 | 1.007 | -8.3 | 97 | 0.00 |
| 84 | c | Di-n-octyl phthalate | 1.352 | 1.479 | -9.4 | 94 | 0.00 |
| 85 | | Indeno(1,2,3-cd)pyrene | 1.054 | 0.948 | 10.1 | 83 | 0.00 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 84 | 0.00 |
| 87 | | Benzo(b)fluoranthene | 1.264 | 1.281 | -1.3 | 86 | 0.00 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 1.215 | 1.311 | -7.9 | 90 | 0.00 |
| 89 C | Benzo(a)pyrene | 1.146 | 1.176 | -2.6 | 86 | 0.00 |
| 90 | Dibenzo(a,h)anthracene | 0.992 | 0.977 | 1.5 | 83 | 0.00 |
| 91 | Benzo(g,h,i)perylene | 0.965 | 0.942 | 2.4 | 83 | 0.00 |

(#) = Out of Range SPCC's out = 0 CCC's out = 1