# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA F\Data\BF050218\
Data File : BF105020.D
Acq On : 2 May 2018 10:23
Operator : JU/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: May 02 17:41:24 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 02 17:25:18 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 | 94 | 0.00 |
| 2 | | 1,4-Dioxane | 0.609 | 0.530 | 13.0 | 81 | 0.00 |
| 3 | | Pyridine | 1.714 | 1.478 | 13.8 | 81 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.599 | 0.501 | 16.4 | 78 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.308 | 1.234 | 5.7 | 90 | 0.00 |
| 6 | | Aniline | 2.233 | 2.124 | 4.9 | 89 | 0.00 |
| 7 | S | Phenol-d6 | 1.607 | 1.560 | 2.9 | 93 | 0.00 |
| 8 | | 2-Chlorophenol | 1.381 | 1.405 | -1.7 | 96 | 0.00 |
| 9 | | Benzaldehyde | 0.802 | 0.867 | -8.1 | 98 | 0.00 |
| 10 | C | Phenol | 1.705 | 1.682 | 1.3 | 94 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.361 | 1.371 | -0.7 | 94 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.564 | 1.583 | -1.2 | 96 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.559 | 1.613 | -3.5 | 97 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.445 | 1.488 | -3.0 | 96 | 0.00 |
| 15 | | Benzyl Alcohol | 1.221 | 1.113 | 8.8 | 86 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.827 | 1.540 | 15.7 | 79 | 0.00 |
| 17 | | 2-Methylphenol | 1.200 | 1.229 | -2.4 | 96 | 0.00 |
| 18 | | Hexachloroethane | 0.556 | 0.568 | -2.2 | 97 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.050 | 0.922 | 12.2 | 86 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.488 | 1.451 | 2.5 | 93 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 99 | 0.00 |
| 22 | | Acetophenone | 0.492 | 0.465 | 5.5 | 95 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.306 | 0.331 | -8.2 | 105 | 0.00 |
| 24 | | Nitrobenzene | 0.338 | 0.344 | -1.8 | 97 | 0.00 |
| 25 | | Isophorone | 0.648 | 0.607 | 6.3 | 94 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.138 | 0.189 | -37.0# | 129 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.286 | 0.260 | 9.1 | 90 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.396 | 0.374 | 5.6 | 95 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.273 | 0.276 | -1.1 | 100 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.299 | 0.306 | -2.3 | 102 | 0.00 |
| 31 | | Naphthalene | 0.996 | 0.963 | 3.3 | 97 | 0.00 |
| 32 | | Benzoic acid | 0.228 | 0.232 | -1.8 | 95 | 0.00 |
| 33 | | 4-Chloroaniline | 0.427 | 0.426 | 0.2 | 100 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.164 | 0.170 | -3.7 | 104 | 0.00 |
| 35 | | Caprolactam | 0.095 | 0.092 | 3.2 | 95 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.292 | 0.292 | 0.0 | 99 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.644 | 0.633 | 1.7 | 99 | 0.00 |
| 38 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 98 | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 0.573 | 0.610 | -6.5 | 107 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 0.321 | 0.341 | -6.2 | 103 | 0.00 |
| 41 | S | 2,4,6-Tribromophenol | 0.207 | 0.211 | -1.9 | 100 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 0.397 | 0.399 | -0.5 | 97 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 0.445 | 0.458 | -2.9 | 102 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 1.266 | 1.230 | 2.8 | 98 | 0.00 |

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|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 1.680 | 1.658 | 1.3 | 99 | 0.00 |
| 46 | | 2-Chloronaphthalene | 1.327 | 1.326 | 0.1 | 100 | 0.00 |
| 47 | | 2-Nitroaniline | 0.328 | 0.387 | -18.0 | 109 | 0.00 |
| 48 | | Acenaphthylene | 2.082 | 1.949 | 6.4 | 93 | 0.00 |
| 49 | | Dimethylphthalate | 1.577 | 1.597 | -1.3 | 102 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 0.292 | 0.343 | -17.5 | 107 | 0.00 |
| 51 | C | Acenaphthene | 1.270 | 1.178 | 7.2 | 93 | 0.00 |
| 52 | | 3-Nitroaniline | 0.342 | 0.398 | -16.4 | 107 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 0.089 | 0.135 | -51.7# | 152# | 0.00 |
| 54 | | Dibenzofuran | 1.770 | 1.598 | 9.7 | 89 | 0.00 |
| 55 | P | 4-Nitrophenol | 0.268 | 0.274 | -2.2 | 93 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 0.383 | 0.410 | -7.0 | 101 | 0.00 |
| 57 | | Fluorene | 1.289 | 1.339 | -3.9 | 102 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 0.332 | 0.315 | 5.1 | 94 | 0.00 |
| 59 | | Diethylphthalate | 1.571 | 1.489 | 5.2 | 95 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 0.574 | 0.619 | -7.8 | 106 | 0.00 |
| 61 | | 4-Nitroaniline | 0.334 | 0.406 | -21.6 | 110 | 0.00 |
| 62 | | Azobenzene | 1.501 | 1.306 | 13.0 | 87 | 0.00 |
| 63 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 98 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.087 | 0.133 | -52.9# | 143 | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 0.693 | 0.670 | 3.3 | 96 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 0.213 | 0.215 | -0.9 | 101 | 0.00 |
| 67 | | Hexachlorobenzene | 0.239 | 0.242 | -1.3 | 101 | 0.00 |
| 68 | | Atrazine | 0.209 | 0.193 | 7.7 | 92 | 0.00 |
| 69 | C | Pentachlorophenol | 0.148 | 0.153 | -3.4 | 97 | 0.00 |
| 70 | | Phenanthrene | 1.114 | 1.057 | 5.1 | 95 | 0.00 |
| 71 | | Anthracene | 1.132 | 1.071 | 5.4 | 95 | 0.00 |
| 72 | | Carbazole | 1.106 | 1.040 | 6.0 | 95 | 0.00 |
| 73 | | Di-n-butylphthalate | 1.351 | 1.247 | 7.7 | 93 | 0.00 |
| 74 | C | Fluoranthene | 1.164 | 1.087 | 6.6 | 93 | 0.00 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 91 | 0.00 |
| 76 | | Benzidine | 0.692 | 0.578 | 16.5 | 76 | 0.00 |
| 77 | | Pyrene | 1.482 | 1.508 | -1.8 | 94 | 0.00 |
| 78 | S | Terphenyl-d14 | 0.877 | 0.879 | -0.2 | 95 | 0.00 |
| 79 | | Butylbenzylphthalate | 0.698 | 0.708 | -1.4 | 92 | 0.00 |
| 80 | | Benzo(a)anthracene | 1.195 | 1.269 | -6.2 | 99 | 0.00 |
| 81 | | 3,3'-Dichlorobenzidine | 0.445 | 0.428 | 3.8 | 85 | 0.00 |
| 82 | | Chrysene | 1.227 | 1.204 | 1.9 | 90 | 0.00 |
| 83 | | Bis(2-ethylhexyl)phthalate | 0.898 | 0.957 | -6.6 | 98 | 0.00 |
| 84 | c | Di-n-octyl phthalate | 1.501 | 1.432 | 4.6 | 85 | 0.00 |
| 85 | | Indeno(1,2,3-cd)pyrene | 1.043 | 0.927 | 11.1 | 84 | 0.00 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 79 | 0.00 |
| 87 | | Benzo(b)fluoranthene | 1.263 | 1.321 | -4.6 | 83 | 0.00 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 1.193 | 1.190 | 0.3 | 80 | 0.00 |
| 89 C | Benzo(a)pyrene | 1.130 | 1.129 | 0.1 | 79 | 0.00 |
| 90 | Dibenzo(a,h)anthracene | 0.928 | 0.940 | -1.3 | 83 | 0.00 |
| 91 | Benzo(g,h,i)perylene | 0.899 | 0.956 | -6.3 | 90 | 0.00 |

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