# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022118\
Data File : BF103127.D
Acq On : 21 Feb 2018 11:03
Operator : SJ/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Feb 21 12:10:22 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 16 14:34:49 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 | 0.650 | 0.646 | 0.6 | 96 | 0.00 |
| 3 | | Pyridine | 1.797 | 1.797 | 0.0 | 95 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.769 | 0.752 | 2.2 | 94 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.317 | 1.244 | 5.5 | 94 | 0.00 |
| 6 | | Aniline | 2.342 | 2.228 | 4.9 | 94 | 0.00 |
| 7 | S | Phenol-d6 | 1.586 | 1.528 | 3.7 | 96 | 0.00 |
| 8 | | 2-Chlorophenol | 1.356 | 1.327 | 2.1 | 97 | 0.00 |
| 9 | | Benzaldehyde | 1.178 | 1.256 | -6.6 | 105 | 0.00 |
| 10 | C | Phenol | 1.699 | 1.752 | -3.1 | 104 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.414 | 1.366 | 3.4 | 96 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.570 | 1.482 | 5.6 | 94 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.564 | 1.487 | 4.9 | 95 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.457 | 1.365 | 6.3 | 93 | 0.00 |
| 15 | | Benzyl Alcohol | 1.219 | 1.169 | 4.1 | 93 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 2.686 | 2.363 | 12.0 | 86 | 0.00 |
| 17 | | 2-Methylphenol | 1.251 | 1.225 | 2.1 | 97 | 0.00 |
| 18 | | Hexachloroethane | 0.536 | 0.539 | -0.6 | 97 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.045 | 0.927 | 11.3 | 90 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.542 | 1.375 | 10.8 | 87 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 101 | 0.00 |
| 22 | | Acetophenone | 0.489 | 0.416 | 14.9 | 88 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.288 | 0.323 | -12.2 | 108 | 0.00 |
| 24 | | Nitrobenzene | 0.319 | 0.354 | -11.0 | 103 | 0.00 |
| 25 | | Isophorone | 0.664 | 0.622 | 6.3 | 96 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.121 | 0.181 | -49.6# | 149 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.280 | 0.255 | 8.9 | 91 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.393 | 0.375 | 4.6 | 97 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.255 | 0.251 | 1.6 | 97 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.288 | 0.267 | 7.3 | 95 | 0.00 |
| 31 | | Naphthalene | 0.977 | 0.883 | 9.6 | 92 | 0.00 |
| 32 | | Benzoic acid | 0.173 | 0.239 | -38.2# | 139 | 0.00 |
| 33 | | 4-Chloroaniline | 0.421 | 0.398 | 5.5 | 96 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.148 | 0.135 | 8.8 | 93 | 0.00 |
| 35 | | Caprolactam | 0.089 | 0.092 | -3.4 | 102 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.286 | 0.282 | 1.4 | 98 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.640 | 0.576 | 10.0 | 93 | 0.00 |
| 38 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 99 | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 0.545 | 0.514 | 5.7 | 95 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 0.259 | 0.215 | 17.0 | 77 | 0.00 |
| 41 | S | 2,4,6-Tribromophenol | 0.161 | 0.165 | -2.5 | 96 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 0.358 | 0.366 | -2.2 | 98 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 0.403 | 0.413 | -2.5 | 96 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 1.205 | 1.093 | 9.3 | 90 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 1.685 | 1.527 | 9.4 | 92 | 0.00 |
| 46 | | 2-Chloronaphthalene | 1.326 | 1.242 | 6.3 | 94 | 0.00 |
| 47 | | 2-Nitroaniline | 0.338 | 0.472 | -39.6# | 118 | 0.00 |
| 48 | | Acenaphthylene | 2.060 | 1.888 | 8.3 | 93 | 0.00 |
| 49 | | Dimethylphthalate | 1.559 | 1.506 | 3.4 | 98 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 0.297 | 0.334 | -12.5 | 107 | 0.00 |
| 51 | C | Acenaphthene | 1.232 | 1.080 | 12.3 | 89 | 0.00 |
| 52 | | 3-Nitroaniline | 0.365 | 0.415 | -13.7 | 109 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 0.063 | 0.116 | -84.1# | 206# | 0.00 |
| 54 | | Dibenzofuran | 1.736 | 1.561 | 10.1 | 92 | 0.00 |
| 55 | P | 4-Nitrophenol | 0.269 | 0.261 | 3.0 | 93 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 0.327 | 0.426 | -30.3# | 109 | 0.00 |
| 57 | | Fluorene | 1.263 | 1.222 | 3.2 | 96 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 0.279 | 0.280 | -0.4 | 95 | 0.00 |
| 59 | | Diethylphthalate | 1.540 | 1.409 | 8.5 | 92 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 0.559 | 0.539 | 3.6 | 96 | 0.00 |
| 61 | | 4-Nitroaniline | 0.347 | 0.416 | -19.9 | 117 | 0.00 |
| 62 | | Azobenzene | 1.538 | 1.410 | 8.3 | 93 | 0.00 |
| 63 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.072 | 0.123 | -70.8# | 171# | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 0.705 | 0.652 | 7.5 | 93 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 0.212 | 0.198 | 6.6 | 95 | 0.00 |
| 67 | | Hexachlorobenzene | 0.233 | 0.217 | 6.9 | 94 | 0.00 |
| 68 | | Atrazine | 0.208 | 0.197 | 5.3 | 93 | 0.00 |
| 69 | C | Pentachlorophenol | 0.137 | 0.114 | 16.8 | 80 | 0.00 |
| 70 | | Phenanthrene | 1.114 | 1.000 | 10.2 | 92 | 0.00 |
| 71 | | Anthracene | 1.133 | 1.017 | 10.2 | 92 | 0.00 |
| 72 | | Carbazole | 1.110 | 1.025 | 7.7 | 94 | 0.00 |
| 73 | | Di-n-butylphthalate | 1.348 | 1.299 | 3.6 | 96 | 0.00 |
| 74 | C | Fluoranthene | 1.121 | 1.017 | 9.3 | 93 | 0.00 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 99 | 0.00 |
| 76 | | Benzidine | 0.919 | 0.944 | -2.7 | 95 | 0.00 |
| 77 | | Pyrene | 1.568 | 1.461 | 6.8 | 92 | 0.00 |
| 78 | S | Terphenyl-d14 | 0.845 | 0.741 | 12.3 | 89 | 0.00 |
| 79 | | Butylbenzylphthalate | 0.687 | 0.791 | -15.1 | 104 | 0.00 |
| 80 | | Benzo(a)anthracene | 1.258 | 1.247 | 0.9 | 100 | 0.00 |
| 81 | | 3,3'-Dichlorobenzidine | 0.466 | 0.454 | 2.6 | 92 | 0.00 |
| 82 | | Chrysene | 1.268 | 1.170 | 7.7 | 93 | 0.00 |
| 83 | | Bis(2-ethylhexyl)phthalate | 0.961 | 1.042 | -8.4 | 105 | 0.00 |
| 84 | c | Di-n-octyl phthalate | 1.443 | 1.705 | -18.2 | 113 | 0.00 |
| 85 | | Indeno(1,2,3-cd)pyrene | 1.052 | 1.010 | 4.0 | 103 | 0.00 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 106 | 0.00 |
| 87 | | Benzo(b)fluoranthene | 1.297 | 1.213 | 6.5 | 97 | 0.00 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 1.239 | 1.168 | 5.7 | 98 | 0.00 |
| 89 C | Benzo(a)pyrene | 1.167 | 1.098 | 5.9 | 98 | 0.00 |
| 90 | Dibenzo(a,h)anthracene | 0.947 | 0.898 | 5.2 | 101 | 0.00 |
| 91 | Benzo(g,h,i)perylene | 0.927 | 0.916 | 1.2 | 107 | 0.00 |

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