# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA F\Data\BF042617\
Data File : BF094640.D
Acq On : 26 Apr 2017 12:02
Operator : SJ/MA
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Apr 27 02:12:29 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 17 14:59:23 2017
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 | 83 | 0.00 |
| 2 | | 1,4-Dioxane | 0.701 | 0.685 | 2.3 | 82 | -0.02 |
| 3 | | Pyridine | 1.532 | 1.559 | -1.8 | 80 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.634 | 0.599 | 5.5 | 78 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.205 | 1.216 | -0.9 | 85 | 0.00 |
| 6 | | Aniline | 1.889 | 1.838 | 2.7 | 83 | 0.00 |
| 7 | S | Phenol-d6 | 1.421 | 1.407 | 1.0 | 85 | -0.01 |
| 8 | | 2-Chlorophenol | 1.372 | 1.385 | -0.9 | 85 | 0.00 |
| 9 | | Benzaldehyde | 1.081 | 1.125 | -4.1 | 88 | 0.00 |
| 10 | C | Phenol | 1.746 | 1.728 | 1.0 | 85 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.275 | 1.278 | -0.2 | 84 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.520 | 1.518 | 0.1 | 85 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.529 | 1.529 | 0.0 | 84 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.408 | 1.412 | -0.3 | 85 | 0.00 |
| 15 | | Benzyl Alcohol | 1.054 | 1.065 | -1.0 | 84 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.672 | 1.712 | -2.4 | 87 | -0.01 |
| 17 | | 2-Methylphenol | 1.080 | 1.092 | -1.1 | 86 | 0.00 |
| 18 | | Hexachloroethane | 0.524 | 0.524 | 0.0 | 84 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 0.942 | 0.989 | -5.0 | 88 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.468 | 1.520 | -3.5 | 86 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 87 | -0.01 |
| 22 | | Acetophenone | 0.486 | 0.480 | 1.2 | 87 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.324 | 0.314 | 3.1 | 85 | 0.00 |
| 24 | | Nitrobenzene | 0.341 | 0.337 | 1.2 | 85 | 0.00 |
| 25 | | Isophorone | 0.600 | 0.604 | -0.7 | 88 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.183 | 0.185 | -1.1 | 86 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.298 | 0.290 | 2.7 | 85 | -0.01 |
| 28 | | bis(2-Chloroethoxy)methane | 0.388 | 0.391 | -0.8 | 89 | -0.01 |
| 29 | C | 2,4-Dichlorophenol | 0.277 | 0.277 | 0.0 | 86 | -0.01 |
| 30 | | 1,2,4-Trichlorobenzene | 0.286 | 0.281 | 1.7 | 87 | -0.01 |
| 31 | | Naphthalene | 0.961 | 0.934 | 2.8 | 86 | -0.01 |
| 32 | | Benzoic acid | 0.157 | 0.174 | -10.8 | 96 | 0.00 |
| 33 | | 4-Chloroaniline | 0.400 | 0.409 | -2.2 | 88 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.143 | 0.142 | 0.7 | 87 | -0.01 |
| 35 | | Caprolactam | 0.087 | 0.095 | -9.2 | 95 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.290 | 0.277 | 4.5 | 83 | -0.01 |
| 37 | | 2-Methylnaphthalene | 0.658 | 0.660 | -0.3 | 88 | -0.02 |
| 38 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 88 | -0.01 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 0.570 | 0.577 | -1.2 | 91 | -0.01 |
| 40 | P | Hexachlorocyclopentadiene | 0.230 | 0.234 | -1.7 | 87 | -0.02 |
| 41 | S | 2,4,6-Tribromophenol | 0.156 | 0.169 | -8.3 | 95 | -0.01 |
| 42 | C | 2,4,6-Trichlorophenol | 0.400 | 0.383 | 4.3 | 85 | -0.01 |
| 43 | | 2,4,5-Trichlorophenol | 0.411 | 0.404 | 1.7 | 86 | -0.01 |
| 44 | S | 2-Fluorobiphenyl | 1.359 | 1.304 | 4.0 | 88 | -0.01 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 1.634 | 1.655 | -1.3 | 90 | -0.01 |
| 46 | | 2-Chloronaphthalene | 1.299 | 1.304 | -0.4 | 91 | -0.02 |
| 47 | | 2-Nitroaniline | 0.374 | 0.375 | -0.3 | 87 | 0.00 |
| 48 | | Acenaphthylene | 2.025 | 1.958 | 3.3 | 87 | -0.01 |
| 49 | | Dimethylphthalate | 1.490 | 1.567 | -5.2 | 94 | -0.01 |
| 50 | | 2,6-Dinitrotoluene | 0.335 | 0.345 | -3.0 | 90 | 0.00 |
| 51 | C | Acenaphthene | 1.213 | 1.195 | 1.5 | 89 | -0.02 |
| 52 | | 3-Nitroaniline | 0.387 | 0.378 | 2.3 | 86 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 0.158 | 0.179 | -13.3 | 98 | 0.00 |
| 54 | | Dibenzofuran | 1.763 | 1.790 | -1.5 | 93 | -0.02 |
| 55 | P | 4-Nitrophenol | 0.273 | 0.293 | -7.3 | 100 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 0.410 | 0.461 | -12.4 | 100 | 0.00 |
| 57 | | Fluorene | 1.373 | 1.387 | -1.0 | 92 | -0.01 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 0.294 | 0.319 | -8.5 | 95 | -0.01 |
| 59 | | Diethylphthalate | 1.406 | 1.502 | -6.8 | 96 | -0.01 |
| 60 | | 4-Chlorophenyl-phenylether | 0.571 | 0.603 | -5.6 | 94 | -0.01 |
| 61 | | 4-Nitroaniline | 0.393 | 0.376 | 4.3 | 83 | 0.00 |
| 62 | | Azobenzene | 1.365 | 1.439 | -5.4 | 94 | -0.02 |
| 63 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 95 | -0.01 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.131 | 0.134 | -2.3 | 94 | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 0.696 | 0.677 | 2.7 | 95 | -0.01 |
| 66 | | 4-Bromophenyl-phenylether | 0.199 | 0.200 | -0.5 | 97 | -0.01 |
| 67 | | Hexachlorobenzene | 0.200 | 0.199 | 0.5 | 97 | -0.01 |
| 68 | | Atrazine | 0.208 | 0.212 | -1.9 | 98 | -0.01 |
| 69 | C | Pentachlorophenol | 0.079 | 0.091 | -15.2 | 106 | 0.00 |
| 70 | | Phenanthrene | 1.126 | 1.098 | 2.5 | 96 | -0.01 |
| 71 | | Anthracene | 1.165 | 1.148 | 1.5 | 95 | -0.01 |
| 72 | | Carbazole | 1.093 | 1.085 | 0.7 | 96 | -0.01 |
| 73 | | Di-n-butylphthalate | 1.204 | 1.305 | -8.4 | 104 | -0.01 |
| 74 | C | Fluoranthene | 1.167 | 1.170 | -0.3 | 97 | 0.00 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 102 | 0.00 |
| 76 | | Benzidine | 0.810 | 0.692 | 14.6 | 84 | 0.00 |
| 77 | | Pyrene | 1.397 | 1.340 | 4.1 | 98 | -0.01 |
| 78 | S | Terphenyl-d14 | 0.748 | 0.722 | 3.5 | 101 | -0.01 |
| 79 | | Butylbenzylphthalate | 0.612 | 0.652 | -6.5 | 107 | -0.01 |
| 80 | | Benzo(a)anthracene | 1.162 | 1.149 | 1.1 | 100 | 0.00 |
| 81 | | 3,3'-Dichlorobenzidine | 0.412 | 0.412 | 0.0 | 99 | 0.00 |
| 82 | | Chrysene | 1.062 | 1.038 | 2.3 | 101 | 0.00 |
| 83 | | Bis(2-ethylhexyl)phthalate | 0.822 | 0.903 | -9.9 | 111 | 0.00 |
| 84 | c | Di-n-octyl phthalate | 1.379 | 1.565 | -13.5 | 113 | 0.00 |
| 85 | | Indeno(1,2,3-cd)pyrene | 1.011 | 1.070 | -5.8 | 112 | 0.00 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 106 | 0.00 |
| 87 | | Benzo(b)fluoranthene | 1.223 | 1.201 | 1.8 | 103 | 0.00 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 1.158 | 1.125 | 2.8 | 107 | 0.00 |
| 89 C | Benzo(a)pyrene | 1.138 | 1.121 | 1.5 | 106 | 0.00 |
| 90 | Dibenzo(a,h)anthracene | 0.945 | 0.949 | -0.4 | 112 | 0.00 |
| 91 | Benzo(g,h,i)perylene | 0.962 | 0.949 | 1.4 | 113 | 0.01 |

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