# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA F\Data\BF031115\
Data File : BF077724.D
Acq On : 12 Mar 2015 10:19
Operator : TP/IZ
Sample : SSTDCCC040
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SSTDCCC040EC

Quant Time: Mar 12 13:21:05 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 12 02:24:12 2015
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 | 100 | 0.00 |
| 2 | | 1,4-Dioxane | 0.520 | 0.471 | 9.4 | 90 | 0.00 |
| 3 | | Pyridine | 1.398 | 1.230 | 12.0 | 90 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.609 | 0.611 | -0.3 | 93 | -0.01 |
| 5 | S | 2-Fluorophenol | 1.146 | 1.147 | -0.1 | 104 | 0.00 |
| 6 | | Aniline | 2.025 | 2.004 | 1.0 | 102 | -0.01 |
| 7 | S | Phenol-d6 | 1.416 | 1.485 | -4.9 | 106 | 0.00 |
| 8 | | 2-Chlorophenol | 1.364 | 1.359 | 0.4 | 104 | 0.00 |
| 9 | | Benzaldehyde | 0.580 | 0.622 | -7.2 | 108 | 0.00 |
| 10 | C | Phenol | 1.673 | 1.698 | -1.5 | 105 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.253 | 1.273 | -1.6 | 103 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.517 | 1.524 | -0.5 | 105 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.576 | 1.559 | 1.1 | 105 | -0.01 |
| 14 | | 1,2-Dichlorobenzene | 1.445 | 1.425 | 1.4 | 104 | -0.01 |
| 15 | | Benzyl Alcohol | 1.105 | 1.136 | -2.8 | 104 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.689 | 1.720 | -1.8 | 105 | 0.00 |
| 17 | | 2-Methylphenol | 1.110 | 1.116 | -0.5 | 101 | 0.00 |
| 18 | | Hexachloroethane | 0.517 | 0.535 | -3.5 | 110 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 0.979 | 0.956 | 2.3 | 101 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.457 | 1.486 | -2.0 | 106 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 103 | 0.00 |
| 22 | | Acetophenone | 0.443 | 0.429 | 3.2 | 101 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.305 | 0.296 | 3.0 | 103 | -0.01 |
| 24 | | Nitrobenzene | 0.329 | 0.309 | 6.1 | 102 | -0.01 |
| 25 | | Isophorone | 0.616 | 0.612 | 0.6 | 102 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.161 | 0.159 | 1.2 | 96 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.293 | 0.288 | 1.7 | 101 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.374 | 0.362 | 3.2 | 102 | -0.01 |
| 29 | C | 2,4-Dichlorophenol | 0.279 | 0.276 | 1.1 | 101 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.313 | 0.298 | 4.8 | 99 | 0.00 |
| 31 | | Naphthalene | 1.027 | 1.016 | 1.1 | 104 | 0.00 |
| 32 | | Benzoic acid | 0.141 | 0.145 | -2.8 | 97 | -0.01 |
| 33 | | 4-Chloroaniline | 0.417 | 0.407 | 2.4 | 99 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.177 | 0.172 | 2.8 | 102 | 0.00 |
| 35 | | Caprolactam | 0.082 | 0.082 | 0.0 | 103 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.281 | 0.269 | 4.3 | 101 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.690 | 0.696 | -0.9 | 103 | 0.00 |
| 38 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 102 | -0.01 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 0.597 | 0.575 | 3.7 | 99 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 0.254 | 0.240 | 5.5 | 89 | 0.00 |
| 41 | S | 2,4,6-Tribromophenol | 0.191 | 0.181 | 5.2 | 96 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 0.413 | 0.403 | 2.4 | 96 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 0.446 | 0.424 | 4.9 | 98 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 1.361 | 1.270 | 6.7 | 99 | -0.01 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 1.599 | 1.576 | 1.4 | 100 | 0.00 |
| 46 | | 2-Chloronaphthalene | 1.299 | 1.251 | 3.7 | 100 | -0.01 |
| 47 | | 2-Nitroaniline | 0.323 | 0.321 | 0.6 | 96 | 0.00 |
| 48 | | Acenaphthylene | 2.161 | 2.131 | 1.4 | 103 | 0.00 |
| 49 | | Dimethylphthalate | 1.483 | 1.418 | 4.4 | 100 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 0.307 | 0.304 | 1.0 | 100 | -0.01 |
| 51 | C | Acenaphthene | 1.239 | 1.199 | 3.2 | 99 | 0.00 |
| 52 | | 3-Nitroaniline | 0.357 | 0.362 | -1.4 | 101 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 0.093 | 0.077 | 17.2 | 83 | -0.01 |
| 54 | | Dibenzofuran | 1.837 | 1.779 | 3.2 | 99 | 0.00 |
| 55 | P | 4-Nitrophenol | 0.265 | 0.260 | 1.9 | 93 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 0.401 | 0.385 | 4.0 | 98 | -0.01 |
| 57 | | Fluorene | 1.526 | 1.509 | 1.1 | 100 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 0.344 | 0.336 | 2.3 | 99 | 0.00 |
| 59 | | Diethylphthalate | 1.445 | 1.425 | 1.4 | 101 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 0.696 | 0.663 | 4.7 | 99 | 0.00 |
| 61 | | 4-Nitroaniline | 0.356 | 0.375 | -5.3 | 106 | 0.00 |
| 62 | | Azobenzene | 1.381 | 1.373 | 0.6 | 94 | 0.00 |
| 63 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 103 | -0.01 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.078 | 0.079 | -1.3 | 91 | -0.01 |
| 65 | c | n-Nitrosodiphenylamine | 0.666 | 0.662 | 0.6 | 100 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 0.213 | 0.205 | 3.8 | 97 | 0.00 |
| 67 | | Hexachlorobenzene | 0.235 | 0.223 | 5.1 | 97 | 0.00 |
| 68 | | Atrazine | 0.187 | 0.186 | 0.5 | 98 | 0.00 |
| 69 | C | Pentachlorophenol | 0.104 | 0.100 | 3.8 | 90 | 0.00 |
| 70 | | Phenanthrene | 1.148 | 1.133 | 1.3 | 102 | 0.00 |
| 71 | | Anthracene | 1.134 | 1.085 | 4.3 | 101 | -0.01 |
| 72 | | Carbazole | 1.079 | 1.056 | 2.1 | 105 | -0.01 |
| 73 | | Di-n-butylphthalate | 1.210 | 1.164 | 3.8 | 99 | -0.01 |
| 74 | C | Fluoranthene | 1.266 | 1.199 | 5.3 | 92 | 0.00 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 100 | -0.14 |
| 76 | | Benzidine | 0.546 | 0.441 | 19.2 | 87 | -0.01 |
| 77 | | Pyrene | 1.258 | 1.240 | 1.4 | 91 | -0.01 |
| 78 | S | Terphenyl-d14 | 0.819 | 0.782 | 4.5 | 91 | -0.03 |
| 79 | | Butylbenzylphthalate | 0.496 | 0.498 | -0.4 | 99 | -0.06 |
| 80 | | Benzo(a)anthracene | 1.186 | 1.152 | 2.9 | 101 | -0.14 |
| 81 | | 3,3'-Dichlorobenzidine | 0.391 | 0.385 | 1.5 | 104 | -0.13 |
| 82 | | Chrysene | 1.066 | 1.082 | -1.5 | 103 | -0.14 |
| 83 | | Bis(2-ethylhexyl)phthalate | 0.751 | 0.738 | 1.7 | 101 | -0.15 |
| 84 | c | Di-n-octyl phthalate | 1.284 | 1.264 | 1.6 | 102 | -0.27 |
| 85 | | Indeno(1,2,3-cd)pyrene | 1.331 | 1.330 | 0.1 | 108 | -0.53# |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 107 | -0.41 |
| 87 | | Benzo(b)fluoranthene | 1.306 | 1.155 | 11.6 | 95 | -0.32 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 1.020 | 1.080 | -5.9 | 119 | -0.34 |
| 89 C | Benzo(a)pyrene | 1.089 | 1.062 | 2.5 | 106 | -0.40 |
| 90 | Dibenzo(a,h)anthracene | 1.081 | 1.068 | 1.2 | 107 | -0.53# |
| 91 | Benzo(g,h,i)perylene | 1.100 | 1.073 | 2.5 | 104 | -0.54# |

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