# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA F\Data\BF012115\
Data File : BF077008.D
Acq On : 21 Jan 2015 22:07
Operator : TP/IZ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jan 22 02:43:55 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF011415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 22 02:22:46 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 | 123 | 0.00 |
| 2 | | 1,4-Dioxane | 0.521 | 0.432 | 17.1 | 108 | 0.00 |
| 3 | | Pyridine | 1.348 | 1.405 | -4.2 | 107 | -0.01 |
| 4 | | n-Nitrosodimethylamine | 0.668 | 0.701 | -4.9 | 129 | -0.01 |
| 5 | S | 2-Fluorophenol | 1.216 | 1.215 | 0.1 | 117 | -0.01 |
| 6 | | Aniline | 2.124 | 2.165 | -1.9 | 118 | 0.00 |
| 7 | S | Phenol-d6 | 1.535 | 1.553 | -1.2 | 119 | -0.01 |
| 8 | | 2-Chlorophenol | 1.402 | 1.414 | -0.9 | 117 | 0.00 |
| 9 | | Benzaldehyde | 0.894 | 0.913 | -2.1 | 144 | 0.00 |
| 10 | C | Phenol | 1.629 | 1.645 | -1.0 | 114 | -0.01 |
| 11 | | bis(2-Chloroethyl)ether | 1.275 | 1.282 | -0.5 | 120 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.595 | 1.606 | -0.7 | 121 | -0.01 |
| 13 | C | 1,4-Dichlorobenzene | 1.692 | 1.657 | 2.1 | 118 | -0.01 |
| 14 | | 1,2-Dichlorobenzene | 1.559 | 1.558 | 0.1 | 117 | 0.00 |
| 15 | | Benzyl Alcohol | 1.242 | 1.270 | -2.3 | 117 | -0.01 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.714 | 1.703 | 0.6 | 118 | 0.00 |
| 17 | | 2-Methylphenol | 1.146 | 1.142 | 0.3 | 115 | -0.01 |
| 18 | | Hexachloroethane | 0.588 | 0.604 | -2.7 | 120 | -0.01 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.074 | 1.044 | 2.8 | 112 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.517 | 1.493 | 1.6 | 116 | -0.01 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 127 | 0.00 |
| 22 | | Acetophenone | 0.490 | 0.481 | 1.8 | 117 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.361 | 0.365 | -1.1 | 120 | -0.01 |
| 24 | | Nitrobenzene | 0.368 | 0.372 | -1.1 | 118 | 0.00 |
| 25 | | Isophorone | 0.657 | 0.644 | 2.0 | 116 | -0.01 |
| 26 | C | 2-Nitrophenol | 0.172 | 0.183 | -6.4 | 119 | -0.01 |
| 27 | | 2,4-Dimethylphenol | 0.284 | 0.292 | -2.8 | 119 | -0.01 |
| 28 | | bis(2-Chloroethoxy)methane | 0.374 | 0.374 | 0.0 | 115 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.265 | 0.275 | -3.8 | 120 | -0.01 |
| 30 | | 1,2,4-Trichlorobenzene | 0.294 | 0.302 | -2.7 | 118 | 0.00 |
| 31 | | Naphthalene | 1.030 | 1.018 | 1.2 | 117 | 0.00 |
| 32 | | Benzoic acid | 0.158 | 0.146 | 7.6 | 108 | -0.02 |
| 33 | | 4-Chloroaniline | 0.416 | 0.412 | 1.0 | 118 | -0.01 |
| 34 | C | Hexachlorobutadiene | 0.175 | 0.174 | 0.6 | 117 | 0.00 |
| 35 | | Caprolactam | 0.078 | 0.078 | 0.0 | 113 | -0.01 |
| 36 | C | 4-Chloro-3-methylphenol | 0.303 | 0.303 | 0.0 | 118 | -0.01 |
| 37 | | 2-Methylnaphthalene | 0.703 | 0.689 | 2.0 | 118 | 0.00 |
| 38 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 118 | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 0.494 | 0.490 | 0.8 | 114 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 0.202 | 0.240 | -18.8 | 114 | 0.00 |
| 41 | S | 2,4,6-Tribromophenol | 0.162 | 0.165 | -1.9 | 111 | -0.01 |
| 42 | C | 2,4,6-Trichlorophenol | 0.360 | 0.374 | -3.9 | 114 | -0.01 |
| 43 | | 2,4,5-Trichlorophenol | 0.367 | 0.382 | -4.1 | 114 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 1.314 | 1.344 | -2.3 | 116 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 1.483 | 1.522 | -2.6 | 114 | 0.00 |
| 46 | | 2-Chloronaphthalene | 1.220 | 1.274 | -4.4 | 120 | -0.01 |
| 47 | | 2-Nitroaniline | 0.370 | 0.382 | -3.2 | 112 | -0.01 |
| 48 | | Acenaphthylene | 2.058 | 2.042 | 0.8 | 111 | -0.01 |
| 49 | | Dimethylphthalate | 1.418 | 1.416 | 0.1 | 114 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 0.283 | 0.307 | -8.5 | 116 | -0.01 |
| 51 | C | Acenaphthene | 1.168 | 1.168 | 0.0 | 113 | 0.00 |
| 52 | | 3-Nitroaniline | 0.339 | 0.360 | -6.2 | 113 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 0.095 | 0.110 | -15.8 | 122 | -0.01 |
| 54 | | Dibenzofuran | 1.701 | 1.719 | -1.1 | 115 | 0.00 |
| 55 | P | 4-Nitrophenol | 0.222 | 0.229 | -3.2 | 113 | -0.01 |
| 56 | | 2,4-Dinitrotoluene | 0.384 | 0.414 | -7.8 | 114 | 0.00 |
| 57 | | Fluorene | 1.441 | 1.426 | 1.0 | 113 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 0.268 | 0.285 | -6.3 | 117 | 0.00 |
| 59 | | Diethylphthalate | 1.433 | 1.449 | -1.1 | 114 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 0.590 | 0.585 | 0.8 | 113 | 0.00 |
| 61 | | 4-Nitroaniline | 0.328 | 0.358 | -9.1 | 117 | 0.00 |
| 62 | | Azobenzene | 1.494 | 1.507 | -0.9 | 114 | 0.00 |
| 63 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 121 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.104 | 0.123 | -18.3 | 113 | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 0.713 | 0.709 | 0.6 | 111 | -0.01 |
| 66 | | 4-Bromophenyl-phenylether | 0.203 | 0.212 | -4.4 | 116 | 0.00 |
| 67 | | Hexachlorobenzene | 0.214 | 0.214 | 0.0 | 116 | 0.00 |
| 68 | | Atrazine | 0.216 | 0.226 | -4.6 | 111 | 0.00 |
| 69 | C | Pentachlorophenol | 0.082 | 0.095 | -15.9 | 127 | -0.01 |
| 70 | | Phenanthrene | 1.247 | 1.192 | 4.4 | 110 | 0.00 |
| 71 | | Anthracene | 1.216 | 1.245 | -2.4 | 119 | 0.00 |
| 72 | | Carbazole | 1.180 | 1.191 | -0.9 | 115 | 0.00 |
| 73 | | Di-n-butylphthalate | 1.365 | 1.405 | -2.9 | 115 | 0.00 |
| 74 | C | Fluoranthene | 1.278 | 1.300 | -1.7 | 114 | 0.00 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 119 | -0.01 |
| 76 | | Benzidine | 0.640 | 0.725 | -13.3 | 134 | 0.00 |
| 77 | | Pyrene | 1.371 | 1.456 | -6.2 | 115 | 0.00 |
| 78 | S | Terphenyl-d14 | 0.869 | 0.894 | -2.9 | 113 | -0.01 |
| 79 | | Butylbenzylphthalate | 0.621 | 0.660 | -6.3 | 111 | 0.00 |
| 80 | | Benzo(a)anthracene | 1.255 | 1.281 | -2.1 | 112 | -0.01 |
| 81 | | 3,3'-Dichlorobenzidine | 0.399 | 0.430 | -7.8 | 118 | 0.00 |
| 82 | | Chrysene | 1.144 | 1.162 | -1.6 | 111 | 0.00 |
| 83 | | Bis(2-ethylhexyl)phthalate | 0.859 | 0.928 | -8.0 | 119 | 0.00 |
| 84 | c | Di-n-octyl phthalate | 1.491 | 1.653 | -10.9 | 120 | -0.01 |
| 85 | | Indeno(1,2,3-cd)pyrene | 1.213 | 1.297 | -6.9 | 116 | -0.07 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 119 | -0.03 |
| 87 | | Benzo(b)fluoranthene | 1.347 | 1.253 | 7.0 | 116 | -0.01 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 1.177 | 1.252 | -6.4 | 111 | 0.02 |
| 89 C | Benzo(a)pyrene | 1.188 | 1.141 | 4.0 | 108 | -0.03 |
| 90 | Dibenzo(a,h)anthracene | 1.090 | 1.111 | -1.9 | 114 | -0.07 |
| 91 | Benzo(g,h,i)perylene | 1.084 | 1.107 | -2.1 | 115 | -0.07 |

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