# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102115\
Data File : BF082422.D
Acq On : 21 Oct 2015 23:49
Operator : UM/IZ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Oct 22 11:09:19 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 21 13:20:24 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 | 161# | 0.00 |
| 2 | | 1,4-Dioxane | 0.498 | 0.471 | 5.4 | 163# | 0.00 |
| 3 | | Pyridine | 1.158 | 1.239 | -7.0 | 175# | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.491 | 0.510 | -3.9 | 161# | 0.00 |
| 5 | S | 2-Fluorophenol | 0.991 | 1.044 | -5.3 | 163# | 0.00 |
| 6 | | Aniline | 1.663 | 1.714 | -3.1 | 160# | 0.00 |
| 7 | S | Phenol-d6 | 1.290 | 1.257 | 2.6 | 152# | 0.00 |
| 8 | | 2-Chlorophenol | 1.210 | 1.223 | -1.1 | 167# | 0.00 |
| 9 | | Benzaldehyde | 0.659 | 0.698 | -5.9 | 158# | 0.00 |
| 10 | C | Phenol | 1.487 | 1.410 | 5.2 | 143 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.257 | 1.125 | 10.5 | 142 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.409 | 1.375 | 2.4 | 159# | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.471 | 1.406 | 4.4 | 153# | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.397 | 1.194 | 14.5 | 151# | 0.00 |
| 15 | | Benzyl Alcohol | 0.890 | 0.864 | 2.9 | 151# | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.751 | 1.592 | 9.1 | 157# | 0.00 |
| 17 | | 2-Methylphenol | 0.957 | 0.906 | 5.3 | 154# | 0.00 |
| 18 | | Hexachloroethane | 0.504 | 0.488 | 3.2 | 160# | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 0.906 | 0.810 | 10.6 | 149 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.140 | 1.052 | 7.7 | 153# | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 158# | -0.01 |
| 22 | | Acetophenone | 0.396 | 0.407 | -2.8 | 167# | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.298 | 0.286 | 4.0 | 149 | 0.00 |
| 24 | | Nitrobenzene | 0.322 | 0.341 | -5.9 | 185# | 0.00 |
| 25 | | Isophorone | 0.601 | 0.600 | 0.2 | 163# | 0.00 |
| 26 | C | 2-Nitrophenol | 0.161 | 0.159 | 1.2 | 140 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.259 | 0.249 | 3.9 | 157# | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.350 | 0.338 | 3.4 | 144 | -0.01 |
| 29 | C | 2,4-Dichlorophenol | 0.259 | 0.278 | -7.3 | 159# | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.299 | 0.288 | 3.7 | 154# | -0.01 |
| 31 | | Naphthalene | 0.867 | 0.795 | 8.3 | 151# | -0.01 |
| 32 | | Benzoic acid | 0.174 | 0.136 | 21.8 | 127 | 0.01 |
| 33 | | 4-Chloroaniline | 0.360 | 0.362 | -0.6 | 151# | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.186 | 0.163 | 12.4 | 141 | 0.00 |
| 35 | | Caprolactam | 0.075 | 0.080 | -6.7 | 159# | 0.01 |
| 36 | C | 4-Chloro-3-methylphenol | 0.254 | 0.254 | 0.0 | 160# | -0.01 |
| 37 | | 2-Methylnaphthalene | 0.601 | 0.601 | 0.0 | 156# | 0.00 |
| 38 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 155# | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 0.595 | 0.570 | 4.2 | 158# | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 0.245 | 0.216 | 11.8 | 129 | 0.00 |
| 41 | S | 2,4,6-Tribromophenol | 0.188 | 0.162 | 13.8 | 143 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 0.395 | 0.393 | 0.5 | 166# | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 0.428 | 0.412 | 3.7 | 153# | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 1.206 | 1.051 | 12.9 | 129 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 1.525 | 1.454 | 4.7 | 162# | 0.00 |
| 46 | | 2-Chloronaphthalene | 1.201 | 1.120 | 6.7 | 150 | 0.00 |
| 47 | | 2-Nitroaniline | 0.330 | 0.322 | 2.4 | 157# | 0.00 |
| 48 | | Acenaphthylene | 1.870 | 1.608 | 14.0 | 137 | 0.00 |
| 49 | | Dimethylphthalate | 1.408 | 1.307 | 7.2 | 163# | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 0.297 | 0.332 | -11.8 | 168# | 0.00 |
| 51 | C | Acenaphthene | 1.123 | 0.937 | 16.6 | 130 | 0.00 |
| 52 | | 3-Nitroaniline | 0.336 | 0.348 | -3.6 | 159# | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 0.143 | 0.122 | 14.7 | 124 | 0.00 |
| 54 | | Dibenzofuran | 1.541 | 1.337 | 13.2 | 136 | 0.00 |
| 55 | P | 4-Nitrophenol | 0.192 | 0.171 | 10.9 | 130 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 0.371 | 0.372 | -0.3 | 153# | 0.00 |
| 57 | | Fluorene | 1.266 | 1.090 | 13.9 | 138 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 0.350 | 0.324 | 7.4 | 157# | 0.00 |
| 59 | | Diethylphthalate | 1.313 | 1.372 | -4.5 | 170# | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 0.580 | 0.581 | -0.2 | 166# | 0.00 |
| 61 | | 4-Nitroaniline | 0.326 | 0.325 | 0.3 | 149 | 0.00 |
| 62 | | Azobenzene | 1.285 | 1.274 | 0.9 | 165# | 0.00 |
| 63 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 158# | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.112 | 0.115 | -2.7 | 148 | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 0.599 | 0.611 | -2.0 | 165# | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 0.200 | 0.185 | 7.5 | 151# | -0.01 |
| 67 | | Hexachlorobenzene | 0.216 | 0.207 | 4.2 | 153# | 0.00 |
| 68 | | Atrazine | 0.190 | 0.177 | 6.8 | 164# | 0.00 |
| 69 | C | Pentachlorophenol | 0.111 | 0.099 | 10.8 | 127 | -0.01 |
| 70 | | Phenanthrene | 0.980 | 0.896 | 8.6 | 155# | -0.01 |
| 71 | | Anthracene | 1.010 | 0.968 | 4.2 | 147 | 0.00 |
| 72 | | Carbazole | 0.922 | 0.871 | 5.5 | 155# | 0.00 |
| 73 | | Di-n-butylphthalate | 1.137 | 1.114 | 2.0 | 158# | 0.00 |
| 74 | C | Fluoranthene | 1.053 | 0.915 | 13.1 | 136 | -0.01 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 129 | -0.06 |
| 76 | | Benzidine | 0.580 | 0.571 | 1.6 | 124 | 0.00 |
| 77 | | Pyrene | 1.187 | 1.234 | -4.0 | 140 | -0.01 |
| 78 | S | Terphenyl-d14 | 0.755 | 0.716 | 5.2 | 125 | -0.01 |
| 79 | | Butylbenzylphthalate | 0.542 | 0.634 | -17.0 | 160# | -0.02 |
| 80 | | Benzo(a)anthracene | 1.041 | 1.017 | 2.3 | 131 | -0.05 |
| 81 | | 3,3'-Dichlorobenzidine | 0.395 | 0.372 | 5.8 | 125 | -0.06 |
| 82 | | Chrysene | 1.096 | 1.068 | 2.6 | 144 | -0.05 |
| 83 | | Bis(2-ethylhexyl)phthalate | 0.773 | 0.794 | -2.7 | 134 | -0.06 |
| 84 | c | Di-n-octyl phthalate | 1.327 | 1.257 | 5.3 | 130 | -0.10 |
| 85 | | Indeno(1,2,3-cd)pyrene | 0.872 | 0.863 | 1.0 | 144 | -0.15 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 126 | -0.13 |
| 87 | | Benzo(b)fluoranthene | 1.217 | 1.146 | 5.8 | 107 | -0.13 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 1.023 | 1.004 | 1.9 | 147 | -0.13 |
| 89 C | Benzo(a)pyrene | 1.046 | 0.982 | 6.1 | 123 | -0.13 |
| 90 | Dibenzo(a,h)anthracene | 0.857 | 0.926 | -8.1 | 143 | -0.15 |
| 91 | Benzo(g,h,i)perylene | 0.832 | 0.910 | -9.4 | 150 | -0.14 |

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