# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA_F\Data\BF061115\
Data File : BF079908.D
Acq On : 11 Jun 2015 21:33
Operator : TP/IZ
Sample : SSTDCCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Jun 12 09:18:11 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF061115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 12 08:55:39 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 | 130 | -0.14 |
| 2 | | 1,4-Dioxane | 0.496 | 0.466 | 6.0 | 119 | 0.37 |
| 3 | | Pyridine | 1.272 | 1.366 | -7.4 | 149 | 0.75# |
| 4 | | n-Nitrosodimethylamine | 0.627 | 0.599 | 4.5 | 135 | 0.75# |
| 5 | S | 2-Fluorophenol | 1.091 | 1.057 | 3.1 | 123 | 0.88# |
| 6 | | Aniline | 2.151 | 2.176 | -1.2 | 124 | 0.19 |
| 7 | S | Phenol-d6 | 1.486 | 1.566 | -5.4 | 127 | 0.26 |
| 8 | | 2-Chlorophenol | 1.326 | 1.338 | -0.9 | 125 | 0.08 |
| 9 | | Benzaldehyde | 0.854 | 0.779 | 8.8 | 126 | 0.26 |
| 10 | C | Phenol | 1.634 | 1.726 | -5.6 | 127 | 0.24 |
| 11 | | bis(2-Chloroethyl)ether | 1.315 | 1.320 | -0.4 | 121 | 0.14 |
| 12 | | 1,3-Dichlorobenzene | 1.546 | 1.519 | 1.7 | 123 | -0.08 |
| 13 | C | 1,4-Dichlorobenzene | 1.606 | 1.559 | 2.9 | 123 | -0.15 |
| 14 | | 1,2-Dichlorobenzene | 1.427 | 1.440 | -0.9 | 127 | -0.31 |
| 15 | | Benzyl Alcohol | 1.191 | 1.194 | -0.3 | 123 | -0.26 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.948 | 1.928 | 1.0 | 123 | -0.42 |
| 17 | | 2-Methylphenol | 1.158 | 1.165 | -0.6 | 124 | -0.38 |
| 18 | | Hexachloroethane | 0.497 | 0.519 | -4.4 | 130 | -0.67# |
| 19 | P | n-Nitroso-di-n-propylamine | 1.062 | 1.046 | 1.5 | 121 | -0.56# |
| 20 | | 3+4-Methylphenols | 1.480 | 1.535 | -3.7 | 126 | -0.56# |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 123 | -1.64# |
| 22 | | Acetophenone | 0.472 | 0.509 | -7.8 | 128 | -0.57# |
| 23 | S | Nitrobenzene-d5 | 0.303 | 0.332 | -9.6 | 131 | -0.74# |
| 24 | | Nitrobenzene | 0.322 | 0.344 | -6.8 | 127 | -0.78# |
| 25 | | Isophorone | 0.705 | 0.751 | -6.5 | 126 | -1.05# |
| 26 | C | 2-Nitrophenol | 0.100 | 0.115 | -15.0 | 135 | -1.15# |
| 27 | | 2,4-Dimethylphenol | 0.316 | 0.326 | -3.2 | 129 | -1.22# |
| 28 | | bis(2-Chloroethoxy)methane | 0.419 | 0.435 | -3.8 | 124 | -1.34# |
| 29 | C | 2,4-Dichlorophenol | 0.265 | 0.285 | -7.5 | 132 | -1.47# |
| 30 | | 1,2,4-Trichlorobenzene | 0.337 | 0.343 | -1.8 | 125 | -1.56# |
| 31 | | Naphthalene | 1.093 | 1.128 | -3.2 | 125 | -1.67# |
| 32 | | Benzoic acid | 0.107 | 0.106 | 0.9 | 113 | -1.35# |
| 33 | | 4-Chloroaniline | 0.424 | 0.438 | -3.3 | 122 | -1.75# |
| 34 | C | Hexachlorobutadiene | 0.187 | 0.190 | -1.6 | 128 | -1.83# |
| 35 | | Caprolactam | 0.084 | 0.102 | -21.4 | 131 | -2.19# |
| 36 | C | 4-Chloro-3-methylphenol | 0.302 | 0.336 | -11.3 | 128 | -2.45# |
| 37 | | 2-Methylnaphthalene | 0.739 | 0.784 | -6.1 | 129 | -2.60# |
| 38 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 128 | -3.75# |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 0.670 | 0.663 | 1.0 | 128 | -2.80# |
| 40 | P | Hexachlorocyclopentadiene | 0.211 | 0.267 | -26.5# | 146 | -2.79# |
| 41 | S | 2,4,6-Tribromophenol | 0.182 | 0.212 | -16.5 | 131 | -4.45# |
| 42 | C | 2,4,6-Trichlorophenol | 0.413 | 0.429 | -3.9 | 126 | -2.96# |
| 43 | | 2,4,5-Trichlorophenol | 0.456 | 0.492 | -7.9 | 131 | -3.01# |
| 44 | S | 2-Fluorobiphenyl | 1.428 | 1.393 | 2.5 | 130 | -3.06# |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 1.619 | 1.597 | 1.4 | 128 | -3.17# |
| 46 | | 2-Chloronaphthalene | 1.378 | 1.367 | 0.8 | 128 | -3.17# |
| 47 | | 2-Nitroaniline | 0.256 | 0.288 | -12.5 | 133 | -3.32# |
| 48 | | Acenaphthylene | 2.326 | 2.340 | -0.6 | 127 | -3.60# |
| 49 | | Dimethylphthalate | 1.602 | 1.595 | 0.4 | 128 | -3.53# |
| 50 | | 2,6-Dinitrotoluene | 0.250 | 0.300 | -20.0 | 132 | -3.58# |
| 51 | C | Acenaphthene | 1.322 | 1.320 | 0.2 | 128 | -3.78# |
| 52 | | 3-Nitroaniline | 0.319 | 0.360 | -12.9 | 131 | -3.75# |
| 53 | P | 2,4-Dinitrophenol | 0.037 | 0.049# | -32.4# | 162# | -3.86# |
| 54 | | Dibenzofuran | 1.932 | 1.963 | -1.6 | 129 | -3.95# |
| 55 | P | 4-Nitrophenol | 0.215 | 0.259 | -20.5 | 135 | -3.97# |
| 56 | | 2,4-Dinitrotoluene | 0.314 | 0.390 | -24.2 | 133 | -3.96# |
| 57 | | Fluorene | 1.684 | 1.751 | -4.0 | 127 | -4.25# |
| 58 | | 2,3,4,6-Tetrachlorophenol | 0.345 | 0.399 | -15.7 | 135 | -4.07# |
| 59 | | Diethylphthalate | 1.602 | 1.623 | -1.3 | 124 | -4.19# |
| 60 | | 4-Chlorophenyl-phenylether | 0.752 | 0.775 | -3.1 | 131 | -4.27# |
| 61 | | 4-Nitroaniline | 0.326 | 0.385 | -18.1 | 129 | -4.30# |
| 62 | | Azobenzene | 1.542 | 1.573 | -2.0 | 127 | -4.40# |
| 63 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 128 | -4.99# |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.038 | 0.051 | -34.2# | 163# | -4.32# |
| 65 | c | n-Nitrosodiphenylamine | 0.646 | 0.676 | -4.6 | 130 | -4.37# |
| 66 | | 4-Bromophenyl-phenylether | 0.224 | 0.233 | -4.0 | 127 | -4.66# |
| 67 | | Hexachlorobenzene | 0.244 | 0.263 | -7.8 | 131 | -4.69# |
| 68 | | Atrazine | 0.199 | 0.203 | -2.0 | 119 | -4.80# |
| 69 | C | Pentachlorophenol | 0.095 | 0.105 | -10.5 | 135 | -4.87# |
| 70 | | Phenanthrene | 1.192 | 1.173 | 1.6 | 121 | -5.00# |
| 71 | | Anthracene | 1.153 | 1.198 | -3.9 | 128 | -5.05# |
| 72 | | Carbazole | 1.119 | 1.101 | 1.6 | 118 | -5.18# |
| 73 | | Di-n-butylphthalate | 1.219 | 1.281 | -5.1 | 126 | -5.41# |
| 74 | C | Fluoranthene | 1.318 | 1.331 | -1.0 | 122 | -5.77# |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 122 | -6.22# |
| 76 | | Benzidine | 0.554 | 0.569 | -2.7 | 129 | -5.86# |
| 77 | | Pyrene | 1.256 | 1.242 | 1.1 | 125 | -5.87# |
| 78 | S | Terphenyl-d14 | 0.867 | 0.841 | 3.0 | 122 | -5.95# |
| 79 | | Butylbenzylphthalate | 0.424 | 0.461 | -8.7 | 125 | -6.10# |
| 80 | | Benzo(a)anthracene | 1.270 | 1.199 | 5.6 | 121 | -6.22# |
| 81 | | 3,3'-Dichlorobenzidine | 0.406 | 0.418 | -3.0 | 122 | -6.22# |
| 82 | | Chrysene | 1.229 | 1.149 | 6.5 | 123 | -6.23# |
| 83 | | Bis(2-ethylhexyl)phthalate | 0.679 | 0.711 | -4.7 | 120 | -6.19# |
| 84 | c | Di-n-octyl phthalate | 1.107 | 1.151 | -4.0 | 116 | -6.24# |
| 85 | | Indeno(1,2,3-cd)pyrene | 1.330 | 1.297 | 2.5 | 122 | -6.82# |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 126 | -6.51# |
| 87 | | Benzo(b)fluoranthene | 1.225 | 1.198 | 2.2 | 127 | -6.41# |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 1.250 | 1.255 | -0.4 | 120 | -6.41# |
| 89 C | Benzo(a)pyrene | 1.165 | 1.151 | 1.2 | 124 | -6.50# |
| 90 | Dibenzo(a,h)anthracene | 1.146 | 1.062 | 7.3 | 121 | -6.81# |
| 91 | Benzo(g,h,i)perylene | 1.185 | 1.111 | 6.2 | 122 | -6.93# |

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