# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121716\
Data File : BF091718.D
Acq On : 17 Dec 2016 16:39
Operator : UM/SJ
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** ICVBF121716

Quant Time: Dec 17 23:57:25 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Dec 17 22:53:54 2016
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 | 111 | 0.00 |
| 2 | | 1,4-Dioxane | 0.588 | 0.558 | 5.1 | 100 | 0.00 |
| 3 | | Pyridine | 1.894 | 1.799 | 5.0 | 95 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.733 | 0.701 | 4.4 | 99 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.194 | 1.131 | 5.3 | 100 | 0.00 |
| 6 | | Aniline | 1.873 | 1.737 | 7.3 | 98 | 0.00 |
| 7 | S | Phenol-d6 | 1.456 | 1.354 | 7.0 | 102 | 0.00 |
| 8 | | 2-Chlorophenol | 1.314 | 1.236 | 5.9 | 101 | 0.00 |
| 9 | | Benzaldehyde | 0.903 | 0.847 | 6.2 | 101 | 0.00 |
| 10 | C | Phenol | 1.641 | 1.619 | 1.3 | 105 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.311 | 1.185 | 9.6 | 101 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.443 | 1.335 | 7.5 | 99 | -0.01 |
| 13 | C | 1,4-Dichlorobenzene | 1.460 | 1.300 | 11.0 | 98 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.279 | 1.287 | -0.6 | 102 | 0.00 |
| 15 | | Benzyl Alcohol | 1.127 | 1.072 | 4.9 | 99 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 2.003 | 1.921 | 4.1 | 103 | 0.00 |
| 17 | | 2-Methylphenol | 1.098 | 1.020 | 7.1 | 100 | 0.00 |
| 18 | | Hexachloroethane | 0.542 | 0.535 | 1.3 | 101 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 0.968 | 0.865 | 10.6 | 100 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.225 | 1.189 | 2.9 | 103 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 108 | 0.00 |
| 22 | | Acetophenone | 0.483 | 0.447 | 7.5 | 99 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.347 | 0.359 | -3.5 | 101 | 0.00 |
| 24 | | Nitrobenzene | 0.372 | 0.326 | 12.4 | 96 | 0.00 |
| 25 | | Isophorone | 0.662 | 0.648 | 2.1 | 100 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.180 | 0.179 | 0.6 | 101 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.293 | 0.282 | 3.8 | 100 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.387 | 0.361 | 6.7 | 102 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.270 | 0.252 | 6.7 | 95 | -0.01 |
| 30 | | 1,2,4-Trichlorobenzene | 0.293 | 0.284 | 3.1 | 101 | -0.01 |
| 31 | | Naphthalene | 0.956 | 0.864 | 9.6 | 97 | 0.00 |
| 32 | | Benzoic acid | 0.209 | 0.229 | -9.6 | 101 | 0.00 |
| 33 | | 4-Chloroaniline | 0.402 | 0.396 | 1.5 | 101 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.165 | 0.158 | 4.2 | 102 | 0.00 |
| 35 | | Caprolactam | 0.087 | 0.089 | -2.3 | 99 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.298 | 0.298 | 0.0 | 102 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.602 | 0.609 | -1.2 | 104 | 0.00 |
| 38 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 109 | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 0.499 | 0.464 | 7.0 | 98 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 0.211 | 0.222 | -5.2 | 99 | -0.01 |
| 41 | S | 2,4,6-Tribromophenol | 0.170 | 0.153 | 10.0 | 100 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 0.356 | 0.339 | 4.8 | 98 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 0.350 | 0.336 | 4.0 | 101 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 0.996 | 0.953 | 4.3 | 103 | 0.00 |

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|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 1.433 | 1.388 | 3.1 | 98 | 0.00 |
| 46 | | 2-Chloronaphthalene | 1.071 | 1.037 | 3.2 | 98 | 0.00 |
| 47 | | 2-Nitroaniline | 0.366 | 0.329 | 10.1 | 99 | 0.00 |
| 48 | | Acenaphthylene | 1.660 | 1.593 | 4.0 | 102 | 0.00 |
| 49 | | Dimethylphthalate | 1.306 | 1.285 | 1.6 | 99 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 0.286 | 0.302 | -5.6 | 101 | 0.00 |
| 51 | C | Acenaphthene | 1.139 | 1.087 | 4.6 | 101 | 0.00 |
| 52 | | 3-Nitroaniline | 0.357 | 0.313 | 12.3 | 93 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 0.155 | 0.154 | 0.6 | 99 | -0.01 |
| 54 | | Dibenzofuran | 1.355 | 1.352 | 0.2 | 100 | 0.00 |
| 55 | P | 4-Nitrophenol | 0.248 | 0.235 | 5.2 | 100 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 0.358 | 0.381 | -6.4 | 103 | 0.00 |
| 57 | | Fluorene | 1.052 | 1.086 | -3.2 | 100 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 0.289 | 0.272 | 5.9 | 101 | 0.00 |
| 59 | | Diethylphthalate | 1.284 | 1.162 | 9.5 | 97 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 0.479 | 0.431 | 10.0 | 97 | 0.00 |
| 61 | | 4-Nitroaniline | 0.338 | 0.314 | 7.1 | 101 | 0.00 |
| 62 | | Azobenzene | 1.366 | 1.240 | 9.2 | 99 | 0.00 |
| 63 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 107 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.132 | 0.147 | -11.4 | 98 | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 0.621 | 0.620 | 0.2 | 102 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 0.210 | 0.206 | 1.9 | 104 | 0.00 |
| 67 | | Hexachlorobenzene | 0.220 | 0.230 | -4.5 | 102 | 0.00 |
| 68 | | Atrazine | 0.188 | 0.171 | 9.0 | 93 | 0.00 |
| 69 | C | Pentachlorophenol | 0.119 | 0.130 | -9.2 | 95 | 0.00 |
| 70 | | Phenanthrene | 0.999 | 1.055 | -5.6 | 99 | 0.00 |
| 71 | | Anthracene | 1.059 | 0.927 | 12.5 | 101 | 0.00 |
| 72 | | Carbazole | 0.926 | 0.963 | -4.0 | 103 | 0.00 |
| 73 | | Di-n-butylphthalate | 1.187 | 1.112 | 6.3 | 100 | 0.00 |
| 74 | C | Fluoranthene | 1.044 | 0.966 | 7.5 | 99 | 0.00 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 109 | 0.00 |
| 76 | | Benzidine | 0.576 | 0.570 | 1.0 | 97 | 0.00 |
| 77 | | Pyrene | 1.444 | 1.341 | 7.1 | 98 | 0.00 |
| 78 | S | Terphenyl-d14 | 0.792 | 0.767 | 3.2 | 96 | 0.00 |
| 79 | | Butylbenzylphthalate | 0.676 | 0.694 | -2.7 | 105 | 0.00 |
| 80 | | Benzo(a)anthracene | 1.144 | 1.122 | 1.9 | 100 | 0.00 |
| 81 | | 3,3'-Dichlorobenzidine | 0.458 | 0.431 | 5.9 | 93 | 0.00 |
| 82 | | Chrysene | 1.186 | 1.210 | -2.0 | 100 | 0.00 |
| 83 | | Bis(2-ethylhexyl)phthalate | 0.857 | 0.802 | 6.4 | 100 | 0.00 |
| 84 | c | Di-n-octyl phthalate | 1.580 | 1.645 | -4.1 | 101 | 0.00 |
| 85 | | Indeno(1,2,3-cd)pyrene | 1.166 | 1.175 | -0.8 | 98 | -0.01 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 108 | 0.00 |
| 87 | | Benzo(b)fluoranthene | 1.268 | 1.361 | -7.3 | 102 | 0.00 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 0.890 | 0.726 | 18.4 | 98 | 0.00 |
| 89 C | Benzo(a)pyrene | 1.088 | 1.000 | 8.1 | 99 | 0.00 |
| 90 | Dibenzo(a,h)anthracene | 0.949 | 0.893 | 5.9 | 98 | 0.00 |
| 91 | Benzo(g,h,i)perylene | 0.964 | 0.905 | 6.1 | 96 | -0.01 |

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