# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021016\
Data File : BF084984.D
Acq On : 10 Feb 2016 10:58
Operator : SJ/IZ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Feb 10 13:54:06 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 10 13:28:51 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 | 116 | 0.00 |
| 2 | | 1,4-Dioxane | 0.562 | 0.554 | 1.4 | 118 | 0.00 |
| 3 | | Pyridine | 1.465 | 1.370 | 6.5 | 115 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.758 | 0.732 | 3.4 | 111 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.284 | 1.204 | 6.2 | 117 | 0.00 |
| 6 | | Aniline | 1.948 | 1.943 | 0.3 | 118 | 0.00 |
| 7 | S | Phenol-d6 | 1.592 | 1.435 | 9.9 | 113 | 0.00 |
| 8 | | 2-Chlorophenol | 1.453 | 1.378 | 5.2 | 109 | 0.00 |
| 9 | | Benzaldehyde | 0.940 | 0.869 | 7.6 | 106 | 0.00 |
| 10 | C | Phenol | 1.783 | 1.575 | 11.7 | 118 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.391 | 1.389 | 0.1 | 127 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.536 | 1.404 | 8.6 | 113 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.535 | 1.400 | 8.8 | 112 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.430 | 1.419 | 0.8 | 113 | 0.00 |
| 15 | | Benzyl Alcohol | 1.099 | 1.137 | -3.5 | 125 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 2.339 | 2.236 | 4.4 | 118 | 0.00 |
| 17 | | 2-Methylphenol | 1.149 | 1.119 | 2.6 | 108 | 0.00 |
| 18 | | Hexachloroethane | 0.591 | 0.563 | 4.7 | 110 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 0.998 | 0.912 | 8.6 | 115 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.427 | 1.354 | 5.1 | 113 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 119 | 0.00 |
| 22 | | Acetophenone | 0.527 | 0.483 | 8.3 | 111 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.355 | 0.346 | 2.5 | 114 | 0.00 |
| 24 | | Nitrobenzene | 0.380 | 0.367 | 3.4 | 127 | 0.00 |
| 25 | | Isophorone | 0.690 | 0.671 | 2.8 | 114 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.188 | 0.193 | -2.7 | 124 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.326 | 0.289 | 11.3 | 113 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.410 | 0.355 | 13.4 | 107 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.279 | 0.257 | 7.9 | 106 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.315 | 0.307 | 2.5 | 119 | 0.00 |
| 31 | | Naphthalene | 1.003 | 0.976 | 2.7 | 123 | 0.00 |
| 32 | | Benzoic acid | 0.209 | 0.195 | 6.7 | 111 | 0.00 |
| 33 | | 4-Chloroaniline | 0.415 | 0.437 | -5.3 | 137 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.182 | 0.167 | 8.2 | 108 | 0.00 |
| 35 | | Caprolactam | 0.086 | 0.089 | -3.5 | 108 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.318 | 0.286 | 10.1 | 115 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.628 | 0.592 | 5.7 | 107 | 0.00 |
| 38 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 111 | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 0.635 | 0.655 | -3.1 | 126 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 0.223 | 0.214 | 4.0 | 106 | 0.00 |
| 41 | S | 2,4,6-Tribromophenol | 0.209 | 0.216 | -3.3 | 110 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 0.409 | 0.400 | 2.2 | 107 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 0.416 | 0.418 | -0.5 | 117 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 1.321 | 1.150 | 12.9 | 109 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 1.786 | 1.777 | 0.5 | 110 | 0.00 |
| 46 | | 2-Chloronaphthalene | 1.316 | 1.352 | -2.7 | 118 | 0.00 |
| 47 | | 2-Nitroaniline | 0.417 | 0.459 | -10.1 | 139 | 0.00 |
| 48 | | Acenaphthylene | 1.996 | 2.016 | -1.0 | 112 | 0.00 |
| 49 | | Dimethylphthalate | 1.523 | 1.446 | 5.1 | 105 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 0.333 | 0.328 | 1.5 | 104 | 0.00 |
| 51 | C | Acenaphthene | 1.299 | 1.296 | 0.2 | 112 | 0.00 |
| 52 | | 3-Nitroaniline | 0.374 | 0.345 | 7.8 | 106 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 0.133 | 0.129 | 3.0 | 101 | 0.00 |
| 54 | | Dibenzofuran | 1.587 | 1.583 | 0.3 | 111 | 0.00 |
| 55 | P | 4-Nitrophenol | 0.275 | 0.274 | 0.4 | 101 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 0.424 | 0.440 | -3.8 | 114 | 0.00 |
| 57 | | Fluorene | 1.326 | 1.347 | -1.6 | 111 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 0.317 | 0.307 | 3.2 | 121 | 0.00 |
| 59 | | Diethylphthalate | 1.487 | 1.396 | 6.1 | 108 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 0.621 | 0.539 | 13.2 | 104 | 0.00 |
| 61 | | 4-Nitroaniline | 0.364 | 0.394 | -8.2 | 124 | 0.00 |
| 62 | | Azobenzene | 1.430 | 1.398 | 2.2 | 111 | 0.00 |
| 63 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 118 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.123 | 0.117 | 4.9 | 106 | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 0.635 | 0.584 | 8.0 | 100 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 0.221 | 0.231 | -4.5 | 114 | 0.00 |
| 67 | | Hexachlorobenzene | 0.241 | 0.214 | 11.2 | 110 | 0.00 |
| 68 | | Atrazine | 0.201 | 0.221 | -10.0 | 138 | 0.00 |
| 69 | C | Pentachlorophenol | 0.113 | 0.100 | 11.5 | 99 | 0.00 |
| 70 | | Phenanthrene | 1.109 | 0.952 | 14.2 | 108 | 0.00 |
| 71 | | Anthracene | 1.118 | 1.124 | -0.5 | 111 | 0.00 |
| 72 | | Carbazole | 0.975 | 0.998 | -2.4 | 111 | 0.00 |
| 73 | | Di-n-butylphthalate | 1.241 | 1.092 | 12.0 | 108 | 0.00 |
| 74 | C | Fluoranthene | 1.123 | 0.971 | 13.5 | 97 | 0.00 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 107 | 0.00 |
| 76 | | Benzidine | 0.597 | 0.771 | -29.1# | 115 | 0.00 |
| 77 | | Pyrene | 1.531 | 1.394 | 8.9 | 93 | 0.00 |
| 78 | S | Terphenyl-d14 | 0.883 | 0.915 | -3.6 | 116 | 0.00 |
| 79 | | Butylbenzylphthalate | 0.695 | 0.692 | 0.4 | 100 | 0.00 |
| 80 | | Benzo(a)anthracene | 1.241 | 1.210 | 2.5 | 104 | 0.00 |
| 81 | | 3,3'-Dichlorobenzidine | 0.440 | 0.443 | -0.7 | 98 | 0.00 |
| 82 | | Chrysene | 1.204 | 1.000 | 16.9 | 86 | 0.00 |
| 83 | | Bis(2-ethylhexyl)phthalate | 0.864 | 0.828 | 4.2 | 100 | 0.00 |
| 84 | c | Di-n-octyl phthalate | 1.426 | 1.212 | 15.0 | 88 | 0.00 |
| 85 | | Indeno(1,2,3-cd)pyrene | 0.947 | 0.944 | 0.3 | 108 | 0.00 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 104 | 0.00 |
| 87 | | Benzo(b)fluoranthene | 1.344 | 1.417 | -5.4 | 109 | 0.00 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 1.111 | 0.942 | 15.2 | 91 | 0.00 |
| 89 C | Benzo(a)pyrene | 1.145 | 1.060 | 7.4 | 95 | 0.00 |
| 90 | Dibenzo(a,h)anthracene | 0.964 | 0.967 | -0.3 | 106 | 0.00 |
| 91 | Benzo(g,h,i)perylene | 0.971 | 1.027 | -5.8 | 112 | 0.00 |

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