# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072916\
Data File : BF089366.D
Acq On : 28 Jul 2016 16:40
Operator : UM/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jul 29 01:52:27 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 28 16:02:32 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 | 122 | -0.02 |
| 2 | | 1,4-Dioxane | 0.647 | 0.528 | 18.4 | 117 | -0.02 |
| 3 | | Pyridine | 1.226 | 1.252 | -2.1 | 116 | -0.05 |
| 4 | | n-Nitrosodimethylamine | 0.442 | 0.495 | -12.0 | 125 | -0.03 |
| 5 | S | 2-Fluorophenol | 1.253 | 1.194 | 4.7 | 112 | -0.01 |
| 6 | | Aniline | 1.787 | 1.838 | -2.9 | 117 | -0.01 |
| 7 | S | Phenol-d6 | 1.655 | 1.604 | 3.1 | 113 | -0.01 |
| 8 | | 2-Chlorophenol | 1.417 | 1.396 | 1.5 | 110 | -0.02 |
| 9 | | Benzaldehyde | 0.808 | 0.733 | 9.3 | 108 | -0.02 |
| 10 | C | Phenol | 1.827 | 1.826 | 0.1 | 111 | -0.01 |
| 11 | | bis(2-Chloroethyl)ether | 1.552 | 1.445 | 6.9 | 113 | -0.02 |
| 12 | | 1,3-Dichlorobenzene | 1.482 | 1.368 | 7.7 | 106 | -0.01 |
| 13 | C | 1,4-Dichlorobenzene | 1.636 | 1.570 | 4.0 | 110 | -0.01 |
| 14 | | 1,2-Dichlorobenzene | 1.532 | 1.536 | -0.3 | 126 | -0.02 |
| 15 | | Benzyl Alcohol | 1.027 | 1.024 | 0.3 | 117 | -0.01 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.693 | 1.590 | 6.1 | 108 | -0.01 |
| 17 | | 2-Methylphenol | 1.095 | 1.037 | 5.3 | 113 | -0.01 |
| 18 | | Hexachloroethane | 0.627 | 0.585 | 6.7 | 111 | -0.01 |
| 19 | P | n-Nitroso-di-n-propylamine | 0.998 | 0.976 | 2.2 | 111 | -0.02 |
| 20 | | 3+4-Methylphenols | 1.406 | 1.408 | -0.1 | 115 | -0.01 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 116 | -0.01 |
| 22 | | Acetophenone | 0.476 | 0.488 | -2.5 | 110 | -0.01 |
| 23 | S | Nitrobenzene-d5 | 0.339 | 0.360 | -6.2 | 117 | -0.01 |
| 24 | | Nitrobenzene | 0.386 | 0.371 | 3.9 | 111 | -0.01 |
| 25 | | Isophorone | 0.683 | 0.674 | 1.3 | 111 | -0.01 |
| 26 | C | 2-Nitrophenol | 0.172 | 0.181 | -5.2 | 121 | -0.02 |
| 27 | | 2,4-Dimethylphenol | 0.275 | 0.291 | -5.8 | 120 | -0.01 |
| 28 | | bis(2-Chloroethoxy)methane | 0.378 | 0.401 | -6.1 | 116 | -0.01 |
| 29 | C | 2,4-Dichlorophenol | 0.250 | 0.265 | -6.0 | 114 | -0.01 |
| 30 | | 1,2,4-Trichlorobenzene | 0.286 | 0.293 | -2.4 | 116 | -0.02 |
| 31 | | Naphthalene | 0.990 | 0.997 | -0.7 | 119 | -0.01 |
| 32 | | Benzoic acid | 0.191 | 0.177 | 7.3 | 104 | 0.00 |
| 33 | | 4-Chloroaniline | 0.377 | 0.381 | -1.1 | 120 | -0.01 |
| 34 | C | Hexachlorobutadiene | 0.164 | 0.154 | 6.1 | 103 | -0.02 |
| 35 | | Caprolactam | 0.076 | 0.075 | 1.3 | 111 | -0.01 |
| 36 | C | 4-Chloro-3-methylphenol | 0.297 | 0.314 | -5.7 | 111 | -0.01 |
| 37 | | 2-Methylnaphthalene | 0.597 | 0.606 | -1.5 | 116 | -0.02 |
| 38 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 107 | -0.02 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 0.700 | 0.778 | -11.1 | 125 | -0.01 |
| 40 | P | Hexachlorocyclopentadiene | 0.158 | 0.176 | -11.4 | 111 | -0.01 |
| 41 | S | 2,4,6-Tribromophenol | 0.166 | 0.179 | -7.8 | 112 | -0.01 |
| 42 | C | 2,4,6-Trichlorophenol | 0.333 | 0.377 | -13.2 | 116 | -0.02 |
| 43 | | 2,4,5-Trichlorophenol | 0.421 | 0.463 | -10.0 | 118 | -0.02 |
| 44 | S | 2-Fluorobiphenyl | 1.363 | 1.398 | -2.6 | 106 | -0.02 |

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|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 1.703 | 1.864 | -9.5 | 125 | -0.01 |
| 46 | | 2-Chloronaphthalene | 1.279 | 1.364 | -6.6 | 117 | -0.01 |
| 47 | | 2-Nitroaniline | 0.379 | 0.431 | -13.7 | 121 | -0.02 |
| 48 | | Acenaphthylene | 2.014 | 2.080 | -3.3 | 106 | -0.02 |
| 49 | | Dimethylphthalate | 1.522 | 1.571 | -3.2 | 108 | -0.01 |
| 50 | | 2,6-Dinitrotoluene | 0.313 | 0.341 | -8.9 | 108 | -0.01 |
| 51 | C | Acenaphthene | 1.176 | 1.168 | 0.7 | 103 | -0.02 |
| 52 | | 3-Nitroaniline | 0.330 | 0.366 | -10.9 | 117 | -0.01 |
| 53 | P | 2,4-Dinitrophenol | 0.104 | 0.094 | 9.6 | 105 | -0.01 |
| 54 | | Dibenzofuran | 1.603 | 1.601 | 0.1 | 108 | -0.01 |
| 55 | P | 4-Nitrophenol | 0.136 | 0.146 | -7.4 | 112 | -0.01 |
| 56 | | 2,4-Dinitrotoluene | 0.412 | 0.458 | -11.2 | 114 | -0.01 |
| 57 | | Fluorene | 1.399 | 1.380 | 1.4 | 104 | -0.02 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 0.281 | 0.306 | -8.9 | 105 | -0.01 |
| 59 | | Diethylphthalate | 1.543 | 1.656 | -7.3 | 121 | -0.01 |
| 60 | | 4-Chlorophenyl-phenylether | 0.642 | 0.676 | -5.3 | 118 | -0.02 |
| 61 | | 4-Nitroaniline | 0.340 | 0.357 | -5.0 | 109 | -0.01 |
| 62 | | Azobenzene | 1.589 | 1.688 | -6.2 | 121 | -0.01 |
| 63 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 115 | -0.02 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.113 | 0.115 | -1.8 | 106 | -0.01 |
| 65 | c | n-Nitrosodiphenylamine | 0.624 | 0.655 | -5.0 | 123 | -0.01 |
| 66 | | 4-Bromophenyl-phenylether | 0.191 | 0.192 | -0.5 | 107 | -0.01 |
| 67 | | Hexachlorobenzene | 0.196 | 0.205 | -4.6 | 123 | -0.01 |
| 68 | | Atrazine | 0.192 | 0.194 | -1.0 | 106 | -0.01 |
| 69 | C | Pentachlorophenol | 0.082 | 0.084 | -2.4 | 118 | -0.02 |
| 70 | | Phenanthrene | 1.031 | 0.978 | 5.1 | 104 | -0.01 |
| 71 | | Anthracene | 1.147 | 1.151 | -0.3 | 120 | -0.01 |
| 72 | | Carbazole | 0.965 | 0.972 | -0.7 | 116 | -0.02 |
| 73 | | Di-n-butylphthalate | 1.295 | 1.275 | 1.5 | 117 | -0.01 |
| 74 | C | Fluoranthene | 1.085 | 1.022 | 5.8 | 101 | -0.02 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 102 | -0.01 |
| 76 | | Benzidine | 0.739 | 0.775 | -4.9 | 107 | -0.02 |
| 77 | | Pyrene | 1.516 | 1.653 | -9.0 | 113 | -0.01 |
| 78 | S | Terphenyl-d14 | 0.855 | 0.980 | -14.6 | 121 | -0.01 |
| 79 | | Butylbenzylphthalate | 0.689 | 0.792 | -14.9 | 107 | -0.01 |
| 80 | | Benzo(a)anthracene | 1.129 | 1.184 | -4.9 | 107 | -0.01 |
| 81 | | 3,3'-Dichlorobenzidine | 0.406 | 0.423 | -4.2 | 105 | -0.02 |
| 82 | | Chrysene | 1.201 | 1.271 | -5.8 | 114 | -0.01 |
| 83 | | Bis(2-ethylhexyl)phthalate | 0.996 | 1.108 | -11.2 | 114 | -0.01 |
| 84 | c | Di-n-octyl phthalate | 1.554 | 1.614 | -3.9 | 107 | -0.01 |
| 85 | | Indeno(1,2,3-cd)pyrene | 0.854 | 0.847 | 0.8 | 107 | -0.03 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 100 | -0.02 |
| 87 | | Benzo(b)fluoranthene | 1.242 | 1.359 | -9.4 | 119 | -0.01 |

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| 88 | Benzo(k)fluoranthene | 1.142 | 1.105 | 3.2 | 87 | -0.01 |
| 89 C | Benzo(a)pyrene | 1.114 | 1.131 | -1.5 | 100 | -0.01 |
| 90 | Dibenzo(a,h)anthracene | 0.878 | 0.947 | -7.9 | 107 | -0.02 |
| 91 | Benzo(g,h,i)perylene | 0.863 | 0.972 | -12.6 | 109 | -0.02 |

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