# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA_F\Data\BF031816\
Data File : BF085615.D
Acq On : 20 Mar 2016 13:07
Operator : UM/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Mar 21 05:55:47 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 18 23:31:39 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 | 0.579 | 0.570 | 1.6 | 110 | -0.01 |
| 3 | | Pyridine | 1.421 | 1.455 | -2.4 | 117 | -0.01 |
| 4 | | n-Nitrosodimethylamine | 0.593 | 0.604 | -1.9 | 119 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.191 | 1.216 | -2.1 | 112 | 0.00 |
| 6 | | Aniline | 2.051 | 1.997 | 2.6 | 112 | 0.00 |
| 7 | S | Phenol-d6 | 1.527 | 1.407 | 7.9 | 103 | 0.00 |
| 8 | | 2-Chlorophenol | 1.377 | 1.349 | 2.0 | 111 | 0.00 |
| 9 | | Benzaldehyde | 0.768 | 0.739 | 3.8 | 119 | 0.00 |
| 10 | C | Phenol | 1.739 | 1.479 | 15.0 | 89 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.311 | 1.277 | 2.6 | 107 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.501 | 1.496 | 0.3 | 116 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.531 | 1.405 | 8.2 | 111 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.359 | 1.399 | -2.9 | 111 | 0.00 |
| 15 | | Benzyl Alcohol | 1.046 | 1.032 | 1.3 | 116 | 0.01 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.725 | 1.726 | -0.1 | 111 | 0.00 |
| 17 | | 2-Methylphenol | 1.142 | 1.168 | -2.3 | 118 | 0.01 |
| 18 | | Hexachloroethane | 0.553 | 0.502 | 9.2 | 104 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 0.912 | 0.912 | 0.0 | 111 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.323 | 1.128 | 14.7 | 104 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 115 | 0.00 |
| 22 | | Acetophenone | 0.475 | 0.442 | 6.9 | 115 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.345 | 0.351 | -1.7 | 110 | 0.00 |
| 24 | | Nitrobenzene | 0.377 | 0.345 | 8.5 | 110 | 0.00 |
| 25 | | Isophorone | 0.690 | 0.692 | -0.3 | 117 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.186 | 0.179 | 3.8 | 98 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.330 | 0.314 | 4.8 | 115 | 0.01 |
| 28 | | bis(2-Chloroethoxy)methane | 0.392 | 0.423 | -7.9 | 116 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.272 | 0.254 | 6.6 | 103 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.305 | 0.296 | 3.0 | 115 | 0.00 |
| 31 | | Naphthalene | 1.010 | 0.919 | 9.0 | 111 | 0.00 |
| 32 | | Benzoic acid | 0.276 | 0.183 | 33.7# | 74 | 0.00 |
| 33 | | 4-Chloroaniline | 0.414 | 0.436 | -5.3 | 113 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.162 | 0.168 | -3.7 | 115 | 0.00 |
| 35 | | Caprolactam | 0.094 | 0.102 | -8.5 | 122 | 0.01 |
| 36 | C | 4-Chloro-3-methylphenol | 0.318 | 0.288 | 9.4 | 100 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.615 | 0.632 | -2.8 | 111 | 0.00 |
| 38 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 109 | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 0.607 | 0.560 | 7.7 | 113 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 0.273 | 0.115 | 57.9# | 45# | 0.00 |
| 41 | S | 2,4,6-Tribromophenol | 0.196 | 0.177 | 9.7 | 100 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 0.415 | 0.385 | 7.2 | 106 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 0.423 | 0.411 | 2.8 | 107 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 1.250 | 1.298 | -3.8 | 112 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 1.725 | 1.599 | 7.3 | 107 | 0.00 |
| 46 | | 2-Chloronaphthalene | 1.260 | 1.279 | -1.5 | 111 | 0.00 |
| 47 | | 2-Nitroaniline | 0.381 | 0.393 | -3.1 | 106 | 0.00 |
| 48 | | Acenaphthylene | 2.040 | 2.058 | -0.9 | 108 | 0.00 |
| 49 | | Dimethylphthalate | 1.509 | 1.456 | 3.5 | 110 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 0.319 | 0.313 | 1.9 | 117 | 0.00 |
| 51 | C | Acenaphthene | 1.280 | 1.159 | 9.5 | 99 | 0.00 |
| 52 | | 3-Nitroaniline | 0.399 | 0.349 | 12.5 | 104 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 0.195 | 0.041# | 79.0# | 24# | 0.01 |
| 54 | | Dibenzofuran | 1.559 | 1.598 | -2.5 | 111 | 0.00 |
| 55 | P | 4-Nitrophenol | 0.308 | 0.220 | 28.6# | 75 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 0.417 | 0.440 | -5.5 | 108 | 0.00 |
| 57 | | Fluorene | 1.299 | 1.288 | 0.8 | 105 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 0.304 | 0.248 | 18.4 | 93 | 0.00 |
| 59 | | Diethylphthalate | 1.501 | 1.533 | -2.1 | 116 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 0.634 | 0.592 | 6.6 | 113 | 0.00 |
| 61 | | 4-Nitroaniline | 0.393 | 0.399 | -1.5 | 103 | 0.00 |
| 62 | | Azobenzene | 1.440 | 1.389 | 3.5 | 107 | 0.00 |
| 63 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 99 | -0.01 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.128 | 0.043 | 66.4# | 33# | 0.01 |
| 65 | c | n-Nitrosodiphenylamine | 0.623 | 0.691 | -10.9 | 106 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 0.200 | 0.234 | -17.0 | 112 | 0.00 |
| 67 | | Hexachlorobenzene | 0.212 | 0.241 | -13.7 | 105 | 0.00 |
| 68 | | Atrazine | 0.190 | 0.209 | -10.0 | 101 | 0.00 |
| 69 | C | Pentachlorophenol | 0.129 | 0.106 | 17.8 | 77 | 0.00 |
| 70 | | Phenanthrene | 1.055 | 1.099 | -4.2 | 99 | 0.00 |
| 71 | | Anthracene | 1.106 | 0.976 | 11.8 | 97 | 0.00 |
| 72 | | Carbazole | 0.954 | 0.960 | -0.6 | 96 | 0.00 |
| 73 | | Di-n-butylphthalate | 1.195 | 1.374 | -15.0 | 110 | 0.00 |
| 74 | C | Fluoranthene | 1.104 | 0.916 | 17.0 | 86 | 0.00 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 80 | 0.00 |
| 76 | | Benzidine | 0.673 | 0.718 | -6.7 | 84 | 0.00 |
| 77 | | Pyrene | 1.436 | 1.426 | 0.7 | 77 | -0.01 |
| 78 | S | Terphenyl-d14 | 0.831 | 0.869 | -4.6 | 92 | 0.00 |
| 79 | | Butylbenzylphthalate | 0.685 | 0.731 | -6.7 | 84 | -0.01 |
| 80 | | Benzo(a)anthracene | 1.161 | 1.120 | 3.5 | 79 | 0.00 |
| 81 | | 3,3'-Dichlorobenzidine | 0.426 | 0.448 | -5.2 | 86 | 0.00 |
| 82 | | Chrysene | 1.117 | 1.077 | 3.6 | 71 | -0.01 |
| 83 | | Bis(2-ethylhexyl)phthalate | 0.850 | 0.966 | -13.6 | 92 | 0.00 |
| 84 | c | Di-n-octyl phthalate | 1.386 | 1.644 | -18.6 | 92 | 0.00 |
| 85 | | Indeno(1,2,3-cd)pyrene | 0.933 | 1.035 | -10.9 | 95 | 0.00 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 91 | 0.00 |
| 87 | | Benzo(b)fluoranthene | 1.305 | 1.136 | 13.0 | 88 | 0.00 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 1.075 | 1.220 | -13.5 | 87 | 0.00 |
| 89 C | Benzo(a)pyrene | 1.106 | 1.107 | -0.1 | 90 | 0.00 |
| 90 | Dibenzo(a,h)anthracene | 0.923 | 0.951 | -3.0 | 99 | 0.00 |
| 91 | Benzo(g,h,i)perylene | 0.893 | 0.859 | 3.8 | 93 | 0.01 |

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