# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA G\Data\BG040618\
Data File : BG033666.D
Acq On : 7 Apr 2018 16:11
Operator : SJ/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_G
**LabSampleId :** SSTDCCC040

Quant Time: Apr 09 03:30:42 2018
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 05 17:36:07 2018
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 | 108 | 0.00 |
| 2 | | 1,4-Dioxane | 0.542 | 0.523 | 3.5 | 105 | 0.00 |
| 3 | | Pyridine | 1.497 | 1.638 | -9.4 | 107 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.614 | 0.612 | 0.3 | 106 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.067 | 1.127 | -5.6 | 105 | 0.00 |
| 6 | | Aniline | 2.155 | 2.346 | -8.9 | 108 | 0.00 |
| 7 | S | Phenol-d6 | 1.833 | 2.016 | -10.0 | 115 | 0.00 |
| 8 | | 2-Chlorophenol | 1.219 | 1.317 | -8.0 | 107 | 0.00 |
| 9 | | Benzaldehyde | 1.165 | 0.959 | 17.7 | 91 | 0.00 |
| 10 | C | Phenol | 1.809 | 2.041 | -12.8 | 115 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.477 | 1.566 | -6.0 | 105 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.594 | 1.583 | 0.7 | 105 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.597 | 1.558 | 2.4 | 105 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.558 | 1.591 | -2.1 | 105 | 0.00 |
| 15 | | Benzyl Alcohol | 1.443 | 1.609 | -11.5 | 112 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 2.408 | 2.639 | -9.6 | 116 | 0.00 |
| 17 | | 2-Methylphenol | 1.233 | 1.396 | -13.2 | 119 | 0.00 |
| 18 | | Hexachloroethane | 0.616 | 0.643 | -4.4 | 111 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.343 | 1.455 | -8.3 | 107 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.755 | 1.926 | -9.7 | 110 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 111 | 0.00 |
| 22 | | Acetophenone | 0.548 | 0.539 | 1.6 | 102 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.435 | 0.432 | 0.7 | 107 | 0.00 |
| 24 | | Nitrobenzene | 0.466 | 0.444 | 4.7 | 102 | 0.00 |
| 25 | | Isophorone | 0.845 | 0.847 | -0.2 | 108 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.176 | 0.178 | -1.1 | 104 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.256 | 0.273 | -6.6 | 121 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.422 | 0.400 | 5.2 | 102 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.315 | 0.329 | -4.4 | 111 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.409 | 0.395 | 3.4 | 106 | 0.00 |
| 31 | | Naphthalene | 1.036 | 1.035 | 0.1 | 109 | 0.00 |
| 32 | | Benzoic acid | 0.238 | 0.141 | 40.8# | 74 | 0.01 |
| 33 | | 4-Chloroaniline | 0.464 | 0.447 | 3.7 | 102 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.310 | 0.291 | 6.1 | 106 | 0.00 |
| 35 | | Caprolactam | 0.123 | 0.129 | -4.9 | 111 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.411 | 0.433 | -5.4 | 109 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.804 | 0.805 | -0.1 | 113 | 0.00 |
| 38 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 113 | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 0.724 | 0.662 | 8.6 | 103 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 0.425 | 0.333 | 21.6 | 86 | 0.00 |
| 41 | S | 2,4,6-Tribromophenol | 0.299 | 0.255 | 14.7 | 93 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 0.421 | 0.389 | 7.6 | 99 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 0.498 | 0.485 | 2.6 | 101 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 1.385 | 1.320 | 4.7 | 106 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 1.537 | 1.524 | 0.8 | 110 | 0.00 |
| 46 | | 2-Chloronaphthalene | 1.185 | 1.168 | 1.4 | 109 | 0.00 |
| 47 | | 2-Nitroaniline | 0.444 | 0.460 | -3.6 | 112 | 0.00 |
| 48 | | Acenaphthylene | 1.978 | 1.953 | 1.3 | 110 | 0.00 |
| 49 | | Dimethylphthalate | 1.741 | 1.651 | 5.2 | 106 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 0.356 | 0.349 | 2.0 | 105 | 0.00 |
| 51 | C | Acenaphthene | 1.275 | 1.247 | 2.2 | 108 | 0.00 |
| 52 | | 3-Nitroaniline | 0.373 | 0.358 | 4.0 | 105 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 0.149 | 0.132 | 11.4 | 91 | 0.00 |
| 54 | | Dibenzofuran | 1.883 | 1.790 | 4.9 | 106 | 0.00 |
| 55 | P | 4-Nitrophenol | 0.262 | 0.180 | 31.3# | 74 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 0.524 | 0.489 | 6.7 | 103 | 0.00 |
| 57 | | Fluorene | 1.604 | 1.569 | 2.2 | 111 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 0.468 | 0.443 | 5.3 | 102 | 0.00 |
| 59 | | Diethylphthalate | 1.690 | 1.630 | 3.6 | 108 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 0.922 | 0.837 | 9.2 | 104 | 0.00 |
| 61 | | 4-Nitroaniline | 0.378 | 0.352 | 6.9 | 103 | 0.00 |
| 62 | | Azobenzene | 1.637 | 1.639 | -0.1 | 111 | 0.00 |
| 63 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 107 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.120 | 0.100 | 16.7 | 84 | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 0.571 | 0.583 | -2.1 | 107 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 0.235 | 0.231 | 1.7 | 102 | 0.00 |
| 67 | | Hexachlorobenzene | 0.248 | 0.239 | 3.6 | 102 | 0.00 |
| 68 | | Atrazine | 0.231 | 0.226 | 2.2 | 101 | 0.00 |
| 69 | C | Pentachlorophenol | 0.170 | 0.187 | -10.0 | 115 | 0.00 |
| 70 | | Phenanthrene | 1.042 | 1.024 | 1.7 | 103 | 0.00 |
| 71 | | Anthracene | 1.055 | 1.037 | 1.7 | 103 | 0.00 |
| 72 | | Carbazole | 0.935 | 0.919 | 1.7 | 103 | 0.00 |
| 73 | | Di-n-butylphthalate | 1.088 | 1.126 | -3.5 | 108 | 0.00 |
| 74 | C | Fluoranthene | 1.289 | 1.236 | 4.1 | 101 | 0.00 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 106 | 0.00 |
| 76 | | Benzidine | 0.542 | 0.434 | 19.9 | 78 | 0.00 |
| 77 | | Pyrene | 1.334 | 1.289 | 3.4 | 101 | 0.00 |
| 78 | S | Terphenyl-d14 | 0.935 | 0.892 | 4.6 | 101 | 0.00 |
| 79 | | Butylbenzylphthalate | 0.492 | 0.514 | -4.5 | 109 | 0.00 |
| 80 | | Benzo(a)anthracene | 1.274 | 1.249 | 2.0 | 104 | 0.00 |
| 81 | | 3,3'-Dichlorobenzidine | 0.453 | 0.440 | 2.9 | 98 | 0.00 |
| 82 | | Chrysene | 1.233 | 1.200 | 2.7 | 103 | 0.00 |
| 83 | | Bis(2-ethylhexyl)phthalate | 0.679 | 0.717 | -5.6 | 110 | 0.00 |
| 84 | c | Di-n-octyl phthalate | 1.039 | 1.173 | -12.9 | 116 | 0.00 |
| 85 | | Indeno(1,2,3-cd)pyrene | 1.333 | 1.249 | 6.3 | 97 | 0.00 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 109 | 0.00 |
| 87 | | Benzo(b)fluoranthene | 1.155 | 1.105 | 4.3 | 103 | 0.01 |

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| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 1.169 | 1.121 | 4.1 | 103 | 0.00 |
| 89 C | Benzo(a)pyrene | 1.110 | 1.085 | 2.3 | 105 | 0.00 |
| 90 | Dibenzo(a,h)anthracene | 1.045 | 0.944 | 9.7 | 94 | 0.02 |
| 91 | Benzo(g,h,i)perylene | 1.035 | 0.937 | 9.5 | 96 | 0.01 |

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