# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG022916\
Data File : BG021177.D
Acq On : 1 Mar 2016 7:22
Operator : UM/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Mar 01 09:57:56 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 29 17:40:25 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 | 134 | 0.00 |
| 2 | | 1,4-Dioxane | 0.565 | 0.513 | 9.2 | 130 | 0.00 |
| 3 | | Pyridine | 1.786 | 1.706 | 4.5 | 121 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.900 | 0.851 | 5.4 | 120 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.258 | 1.221 | 2.9 | 129 | 0.00 |
| 6 | | Aniline | 2.742 | 2.722 | 0.7 | 130 | 0.00 |
| 7 | S | Phenol-d6 | 2.069 | 2.140 | -3.4 | 134 | 0.00 |
| 8 | | 2-Chlorophenol | 1.542 | 1.562 | -1.3 | 132 | 0.00 |
| 9 | | Benzaldehyde | 1.292 | 1.190 | 7.9 | 131 | 0.00 |
| 10 | C | Phenol | 2.205 | 2.265 | -2.7 | 136 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.700 | 1.690 | 0.6 | 127 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.581 | 1.556 | 1.6 | 130 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.628 | 1.616 | 0.7 | 132 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.553 | 1.583 | -1.9 | 132 | 0.00 |
| 15 | | Benzyl Alcohol | 1.889 | 1.900 | -0.6 | 129 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 2.934 | 2.928 | 0.2 | 133 | 0.00 |
| 17 | | 2-Methylphenol | 1.526 | 1.540 | -0.9 | 132 | 0.00 |
| 18 | | Hexachloroethane | 0.682 | 0.686 | -0.6 | 133 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.911 | 1.838 | 3.8 | 127 | 0.00 |
| 20 | | 3+4-Methylphenols | 2.161 | 2.174 | -0.6 | 133 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 135 | 0.00 |
| 22 | | Acetophenone | 0.595 | 0.586 | 1.5 | 130 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.473 | 0.477 | -0.8 | 132 | 0.00 |
| 24 | | Nitrobenzene | 0.516 | 0.525 | -1.7 | 135 | 0.00 |
| 25 | | Isophorone | 1.024 | 0.981 | 4.2 | 127 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.188 | 0.193 | -2.7 | 136 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.337 | 0.332 | 1.5 | 130 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.476 | 0.465 | 2.3 | 132 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.304 | 0.305 | -0.3 | 135 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.306 | 0.315 | -2.9 | 137 | 0.00 |
| 31 | | Naphthalene | 1.043 | 1.065 | -2.1 | 138 | 0.00 |
| 32 | | Benzoic acid | 0.261 | 0.286 | -9.6 | 138 | 0.02 |
| 33 | | 4-Chloroaniline | 0.481 | 0.477 | 0.8 | 132 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.186 | 0.194 | -4.3 | 138 | 0.00 |
| 35 | | Caprolactam | 0.148 | 0.137 | 7.4 | 123 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.461 | 0.447 | 3.0 | 131 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.742 | 0.746 | -0.5 | 136 | 0.00 |
| 38 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 131 | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 0.601 | 0.641 | -6.7 | 134 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 0.329 | 0.355 | -7.9 | 130 | 0.00 |
| 41 | S | 2,4,6-Tribromophenol | 0.208 | 0.200 | 3.8 | 123 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 0.451 | 0.457 | -1.3 | 131 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 0.482 | 0.479 | 0.6 | 128 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 1.408 | 1.474 | -4.7 | 133 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 1.645 | 1.729 | -5.1 | 135 | 0.00 |
| 46 | | 2-Chloronaphthalene | 1.235 | 1.290 | -4.5 | 132 | 0.00 |
| 47 | | 2-Nitroaniline | 0.602 | 0.588 | 2.3 | 125 | 0.00 |
| 48 | | Acenaphthylene | 2.090 | 2.135 | -2.2 | 130 | 0.00 |
| 49 | | Dimethylphthalate | 1.782 | 1.697 | 4.8 | 123 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 0.373 | 0.376 | -0.8 | 129 | 0.00 |
| 51 | C | Acenaphthene | 1.327 | 1.407 | -6.0 | 132 | 0.00 |
| 52 | | 3-Nitroaniline | 0.414 | 0.397 | 4.1 | 123 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 0.173 | 0.211 | -22.0 | 135 | 0.00 |
| 54 | | Dibenzofuran | 1.772 | 1.771 | 0.1 | 130 | 0.00 |
| 55 | P | 4-Nitrophenol | 0.343 | 0.325 | 5.2 | 119 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 0.537 | 0.525 | 2.2 | 124 | 0.00 |
| 57 | | Fluorene | 1.689 | 1.681 | 0.5 | 127 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 0.386 | 0.360 | 6.7 | 121 | 0.00 |
| 59 | | Diethylphthalate | 1.970 | 1.880 | 4.6 | 125 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 0.843 | 0.835 | 0.9 | 127 | 0.00 |
| 61 | | 4-Nitroaniline | 0.442 | 0.424 | 4.1 | 122 | 0.00 |
| 62 | | Azobenzene | 2.116 | 2.046 | 3.3 | 125 | 0.00 |
| 63 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 122 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.128 | 0.138 | -7.8 | 120 | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 0.615 | 0.648 | -5.4 | 124 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 0.209 | 0.221 | -5.7 | 124 | 0.00 |
| 67 | | Hexachlorobenzene | 0.203 | 0.212 | -4.4 | 124 | 0.00 |
| 68 | | Atrazine | 0.211 | 0.208 | 1.4 | 118 | 0.00 |
| 69 | C | Pentachlorophenol | 0.133 | 0.142 | -6.8 | 121 | 0.00 |
| 70 | | Phenanthrene | 1.079 | 1.113 | -3.2 | 124 | 0.00 |
| 71 | | Anthracene | 1.104 | 1.130 | -2.4 | 123 | 0.00 |
| 72 | | Carbazole | 0.979 | 0.984 | -0.5 | 121 | 0.00 |
| 73 | | Di-n-butylphthalate | 1.377 | 1.393 | -1.2 | 120 | 0.00 |
| 74 | C | Fluoranthene | 1.268 | 1.271 | -0.2 | 120 | 0.00 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 118 | 0.00 |
| 76 | | Benzidine | 0.560 | 0.572 | -2.1 | 117 | 0.00 |
| 77 | | Pyrene | 1.193 | 1.230 | -3.1 | 121 | 0.00 |
| 78 | S | Terphenyl-d14 | 0.826 | 0.862 | -4.4 | 120 | 0.00 |
| 79 | | Butylbenzylphthalate | 0.609 | 0.621 | -2.0 | 117 | 0.00 |
| 80 | | Benzo(a)anthracene | 1.184 | 1.195 | -0.9 | 117 | 0.00 |
| 81 | | 3,3'-Dichlorobenzidine | 0.448 | 0.457 | -2.0 | 117 | 0.00 |
| 82 | | Chrysene | 1.122 | 1.148 | -2.3 | 119 | 0.00 |
| 83 | | Bis(2-ethylhexyl)phthalate | 0.892 | 0.922 | -3.4 | 120 | 0.00 |
| 84 | c | Di-n-octyl phthalate | 1.486 | 1.544 | -3.9 | 119 | -0.01 |
| 85 | | Indeno(1,2,3-cd)pyrene | 1.287 | 1.278 | 0.7 | 120 | -0.01 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 121 | -0.02 |
| 87 | | Benzo(b)fluoranthene | 1.258 | 1.268 | -0.8 | 119 | 0.00 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 1.260 | 1.259 | 0.1 | 120 | -0.01 |
| 89 C | Benzo(a)pyrene | 1.216 | 1.218 | -0.2 | 120 | -0.02 |
| 90 | Dibenzo(a,h)anthracene | 1.203 | 1.173 | 2.5 | 119 | -0.02 |
| 91 | Benzo(g,h,i)perylene | 1.162 | 1.132 | 2.6 | 121 | -0.02 |

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