# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG071916\
Data File : BG023172.D
Acq On : 19 Jul 2016 12:07
Operator : UM/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jul 19 15:46:50 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG070816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 19 15:46:37 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 | 93 | 0.00 |
| 2 | | 1,4-Dioxane | 0.475 | 0.437 | 8.0 | 89 | 0.00 |
| 3 | | Pyridine | 1.627 | 1.646 | -1.2 | 95 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.698 | 0.754 | -8.0 | 100 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.223 | 1.185 | 3.1 | 92 | 0.00 |
| 6 | | Aniline | 2.654 | 2.764 | -4.1 | 96 | 0.00 |
| 7 | S | Phenol-d6 | 1.915 | 1.939 | -1.3 | 92 | 0.00 |
| 8 | | 2-Chlorophenol | 1.301 | 1.358 | -4.4 | 97 | 0.00 |
| 9 | | Benzaldehyde | 1.280 | 1.292 | -0.9 | 96 | 0.00 |
| 10 | C | Phenol | 1.971 | 2.024 | -2.7 | 95 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.562 | 1.605 | -2.8 | 96 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.593 | 1.593 | 0.0 | 96 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.595 | 1.596 | -0.1 | 94 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.585 | 1.578 | 0.4 | 97 | 0.00 |
| 15 | | Benzyl Alcohol | 1.754 | 1.821 | -3.8 | 94 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.908 | 2.260 | -18.4 | 111 | 0.00 |
| 17 | | 2-Methylphenol | 1.283 | 1.304 | -1.6 | 94 | 0.00 |
| 18 | | Hexachloroethane | 0.673 | 0.675 | -0.3 | 101 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.727 | 1.836 | -6.3 | 96 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.789 | 1.889 | -5.6 | 93 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 92 | 0.00 |
| 22 | | Acetophenone | 0.600 | 0.598 | 0.3 | 92 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.467 | 0.472 | -1.1 | 94 | 0.00 |
| 24 | | Nitrobenzene | 0.496 | 0.499 | -0.6 | 95 | 0.00 |
| 25 | | Isophorone | 0.939 | 0.941 | -0.2 | 90 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.195 | 0.204 | -4.6 | 91 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.337 | 0.333 | 1.2 | 92 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.524 | 0.542 | -3.4 | 94 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.359 | 0.341 | 5.0 | 86 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.411 | 0.387 | 5.8 | 87 | 0.00 |
| 31 | | Naphthalene | 1.018 | 1.019 | -0.1 | 93 | 0.00 |
| 32 | | Benzoic acid | 0.306 | 0.276 | 9.8 | 78 | 0.00 |
| 33 | | 4-Chloroaniline | 0.498 | 0.499 | -0.2 | 92 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.334 | 0.291 | 12.9 | 82 | 0.00 |
| 35 | | Caprolactam | 0.148 | 0.135 | 8.8 | 84 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.491 | 0.461 | 6.1 | 85 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.805 | 0.800 | 0.6 | 90 | 0.00 |
| 38 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 83 | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 0.862 | 0.786 | 8.8 | 77 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 0.496 | 0.591 | -19.2 | 100 | 0.00 |
| 41 | S | 2,4,6-Tribromophenol | 0.359 | 0.279 | 22.3 | 67 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 0.495 | 0.461 | 6.9 | 77 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 0.509 | 0.469 | 7.9 | 79 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 1.270 | 1.261 | 0.7 | 85 | 0.00 |

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|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 1.501 | 1.541 | -2.7 | 86 | 0.00 |
| 46 | | 2-Chloronaphthalene | 1.217 | 1.248 | -2.5 | 86 | 0.00 |
| 47 | | 2-Nitroaniline | 0.519 | 0.551 | -6.2 | 90 | 0.00 |
| 48 | | Acenaphthylene | 1.826 | 1.844 | -1.0 | 85 | 0.00 |
| 49 | | Dimethylphthalate | 1.634 | 1.571 | 3.9 | 83 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 0.367 | 0.361 | 1.6 | 83 | 0.00 |
| 51 | C | Acenaphthene | 1.193 | 1.193 | 0.0 | 85 | 0.00 |
| 52 | | 3-Nitroaniline | 0.366 | 0.380 | -3.8 | 87 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 0.252 | 0.252 | 0.0 | 81 | 0.00 |
| 54 | | Dibenzofuran | 1.786 | 1.718 | 3.8 | 83 | 0.00 |
| 55 | P | 4-Nitrophenol | 0.307 | 0.344 | -12.1 | 94 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 0.535 | 0.520 | 2.8 | 83 | 0.00 |
| 57 | | Fluorene | 1.537 | 1.496 | 2.7 | 84 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 0.509 | 0.428 | 15.9 | 71 | 0.00 |
| 59 | | Diethylphthalate | 1.662 | 1.607 | 3.3 | 83 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 0.936 | 0.847 | 9.5 | 76 | 0.00 |
| 61 | | 4-Nitroaniline | 0.396 | 0.407 | -2.8 | 88 | 0.00 |
| 62 | | Azobenzene | 1.590 | 1.714 | -7.8 | 92 | 0.00 |
| 63 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 81 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.149 | 0.153 | -2.7 | 79 | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 0.576 | 0.595 | -3.3 | 82 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 0.260 | 0.228 | 12.3 | 70 | 0.00 |
| 67 | | Hexachlorobenzene | 0.283 | 0.248 | 12.4 | 70 | 0.00 |
| 68 | | Atrazine | 0.256 | 0.235 | 8.2 | 75 | 0.00 |
| 69 | C | Pentachlorophenol | 0.183 | 0.199 | -8.7 | 83 | 0.00 |
| 70 | | Phenanthrene | 0.980 | 0.991 | -1.1 | 83 | 0.00 |
| 71 | | Anthracene | 0.992 | 1.019 | -2.7 | 84 | 0.00 |
| 72 | | Carbazole | 0.858 | 0.890 | -3.7 | 85 | 0.00 |
| 73 | | Di-n-butylphthalate | 0.954 | 1.052 | -10.3 | 87 | 0.00 |
| 74 | C | Fluoranthene | 1.203 | 1.128 | 6.2 | 80 | 0.00 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 71 | 0.00 |
| 76 | | Benzidine | 0.573 | 0.933 | -62.8# | 113 | 0.00 |
| 77 | | Pyrene | 1.124 | 1.197 | -6.5 | 80 | 0.00 |
| 78 | S | Terphenyl-d14 | 0.646 | 0.716 | -10.8 | 79 | 0.00 |
| 79 | | Butylbenzylphthalate | 0.445 | 0.520 | -16.9 | 84 | 0.00 |
| 80 | | Benzo(a)anthracene | 1.119 | 1.128 | -0.8 | 74 | 0.00 |
| 81 | | 3,3'-Dichlorobenzidine | 0.491 | 0.472 | 3.9 | 68 | 0.00 |
| 82 | | Chrysene | 1.050 | 1.071 | -2.0 | 75 | 0.00 |
| 83 | | Bis(2-ethylhexyl)phthalate | 0.618 | 0.723 | -17.0 | 85 | 0.00 |
| 84 | c | Di-n-octyl phthalate | 1.031 | 1.196 | -16.0 | 83 | 0.00 |
| 85 | | Indeno(1,2,3-cd)pyrene | 1.338 | 1.211 | 9.5 | 67 | 0.00 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 67 | 0.00 |
| 87 | | Benzo(b)fluoranthene | 1.154 | 1.182 | -2.4 | 70 | 0.00 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 1.095 | 1.133 | -3.5 | 69 | 0.00 |
| 89 C | Benzo(a)pyrene | 1.106 | 1.128 | -2.0 | 69 | 0.00 |
| 90 | Dibenzo(a,h)anthracene | 1.098 | 1.083 | 1.4 | 67 | 0.00 |
| 91 | Benzo(g,h,i)perylene | 1.099 | 1.079 | 1.8 | 66 | 0.00 |

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