# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082915\
Data File : BF081286.D
Acq On : 29 Aug 2015 22:59
Operator : UM/IZ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Aug 31 02:19:43 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 31 00:56:51 2015
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 | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | 1,4-Dichlorobenzene-d4 | 20.000 | 20.000 | 0.0 | 121 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 40.603 | -1.5 | 119 | 0.00 |
| 3 | | Pyridine | 40.000 | 44.144 | -10.4 | 118 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 39.557 | 1.1 | 117 | 0.01 |
| 5 | S | 2-Fluorophenol | 80.000 | 84.404 | -5.5 | 132 | 0.01 |
| 6 | | Aniline | 40.000 | 38.506 | 3.7 | 119 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 80.251 | -0.3 | 114 | 0.01 |
| 8 | | 2-Chlorophenol | 40.000 | 39.606 | 1.0 | 110 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 40.422 | -1.1 | 114 | 0.00 |
| 10 | C | Phenol | 40.000 | 44.297 | -10.7 | 120 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 42.220 | -5.5 | 125 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 42.453 | -6.1 | 127 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 43.665 | -9.2 | 133 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 34.668 | 13.3 | 97 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 42.510 | -6.3 | 138 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 38.923 | 2.7 | 113 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 41.919 | -4.8 | 122 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 41.273 | -3.2 | 120 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 39.763 | 0.6 | 112 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 42.159 | -5.4 | 128 | 0.01 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 127 | 0.00 |
| 22 | | Acetophenone | 40.000 | 40.935 | -2.3 | 122 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 73.972 | 7.5 | 118 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 44.021 | -10.1 | 132 | 0.00 |
| 25 | | Isophorone | 40.000 | 40.616 | -1.5 | 128 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 37.186 | 7.0 | 123 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 37.791 | 5.5 | 109 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 40.643 | -1.6 | 129 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 41.996 | -5.0 | 126 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 38.707 | 3.2 | 116 | -0.01 |
| 31 | | Naphthalene | 40.000 | 36.630 | 8.4 | 114 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 47.234 | -18.1 | 174 | 0.01 |
| 33 | | 4-Chloroaniline | 40.000 | 39.395 | 1.5 | 134 | 0.01 |
| 34 | C | Hexachlorobutadiene | 40.000 | 41.947 | -4.9 | 131 | 0.00 |
| 35 | | Caprolactam | 40.000 | 41.488 | -3.7 | 125 | 0.01 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 37.105 | 7.2 | 115 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 38.451 | 3.9 | 117 | 0.01 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 137 | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 34.481 | 13.8 | 117 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 37.896 | 5.3 | 120 | 0.00 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 75.815 | 5.2 | 134 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 37.608 | 6.0 | 128 | 0.01 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 38.166 | 4.6 | 116 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 70.329 | 12.1 | 132 | 0.00 |

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Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 40.000 | 32.783 | 18.0 | 100 | 0.00 |
| 46 | | 2-Chloronaphthalene | 40.000 | 36.428 | 8.9 | 127 | 0.00 |
| 47 | | 2-Nitroaniline | 40.000 | 33.688 | 15.8 | 112 | 0.00 |
| 48 | | Acenaphthylene | 40.000 | 36.700 | 8.2 | 133 | 0.00 |
| 49 | | Dimethylphthalate | 40.000 | 34.419 | 14.0 | 108 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 38.512 | 3.7 | 120 | 0.00 |
| 51 | C | Acenaphthene | 40.000 | 35.186 | 12.0 | 122 | 0.00 |
| 52 | | 3-Nitroaniline | 40.000 | 34.063 | 14.8 | 118 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 32.285 | 19.3 | 104 | 0.00 |
| 54 | | Dibenzofuran | 40.000 | 36.113 | 9.7 | 130 | 0.00 |
| 55 | P | 4-Nitrophenol | 40.000 | 36.813 | 8.0 | 131 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 38.619 | 3.5 | 127 | 0.00 |
| 57 | | Fluorene | 40.000 | 31.918 | 20.2 | 115 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 35.593 | 11.0 | 110 | 0.00 |
| 59 | | Diethylphthalate | 40.000 | 39.170 | 2.1 | 129 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 35.742 | 10.6 | 119 | 0.00 |
| 61 | | 4-Nitroaniline | 40.000 | 34.846 | 12.9 | 121 | 0.00 |
| 62 | | Azobenzene | 40.000 | 34.117 | 14.7 | 108 | 0.00 |
| 63 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 130 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 39.163 | 2.1 | 115 | 0.01 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 34.855 | 12.9 | 109 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 41.201 | -3.0 | 137 | 0.00 |
| 67 | | Hexachlorobenzene | 40.000 | 43.160 | -7.9 | 130 | 0.00 |
| 68 | | Atrazine | 40.000 | 37.045 | 7.4 | 120 | 0.00 |
| 69 | C | Pentachlorophenol | 40.000 | 14.404 | 64.0# | 46 | 0.00 |
| 70 | | Phenanthrene | 40.000 | 33.110 | 17.2 | 110 | 0.00 |
| 71 | | Anthracene | 40.000 | 40.866 | -2.2 | 128 | 0.00 |
| 72 | | Carbazole | 40.000 | 39.028 | 2.4 | 112 | 0.00 |
| 73 | | Di-n-butylphthalate | 40.000 | 39.406 | 1.5 | 123 | 0.00 |
| 74 | C | Fluoranthene | 40.000 | 34.984 | 12.5 | 109 | 0.00 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 132 | 0.00 |
| 76 | | Benzidine | 40.000 | 42.542 | -6.4 | 114 | 0.00 |
| 77 | | Pyrene | 40.000 | 39.242 | 1.9 | 137 | 0.00 |
| 78 | S | Terphenyl-d14 | 80.000 | 80.968 | -1.2 | 127 | 0.00 |
| 79 | | Butylbenzylphthalate | 40.000 | 44.341 | -10.9 | 132 | 0.00 |
| 80 | | Benzo(a)anthracene | 40.000 | 38.379 | 4.1 | 119 | 0.00 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 37.779 | 5.6 | 124 | 0.00 |
| 82 | | Chrysene | 40.000 | 32.072 | 19.8 | 98 | 0.00 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 43.027 | -7.6 | 135 | 0.00 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 49.700 | -24.3# | 152 | 0.00 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 40.833 | -2.1 | 128 | 0.00 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 125 | 0.00 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 46.246 | -15.6 | 132 | -0.02 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 40.000 | 33.770 | 15.6 | 115 | 0.00 |
| 89 C | Benzo(a)pyrene | 40.000 | 38.622 | 3.4 | 119 | 0.00 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 42.537 | -6.3 | 129 | -0.01 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 41.203 | -3.0 | 127 | 0.00 |

(#) = Out of Range SPCC's out = 0 CCC's out = 2