# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA G\Data\BG092717\
Data File : BG028944.D
Acq On : 27 Sep 2017 15:46
Operator : SJ/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Sep 28 01:24:55 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG091217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 12 16:57:11 2017
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 | 114 | -0.05 |
| 2 | | 1,4-Dioxane | 40.000 | 36.360 | 9.1 | 106 | -0.08 |
| 3 | | Pyridine | 40.000 | 37.966 | 5.1 | 104 | -0.07 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 42.125 | -5.3 | 117 | -0.07 |
| 5 | S | 2-Fluorophenol | 80.000 | 78.716 | 1.6 | 107 | -0.06 |
| 6 | | Aniline | 40.000 | 40.841 | -2.1 | 111 | -0.05 |
| 7 | S | Phenol-d6 | 80.000 | 79.782 | 0.3 | 111 | -0.05 |
| 8 | | 2-Chlorophenol | 40.000 | 40.419 | -1.0 | 111 | -0.06 |
| 9 | | Benzaldehyde | 40.000 | 40.284 | -0.7 | 113 | -0.05 |
| 10 | C | Phenol | 40.000 | 41.513 | -3.8 | 114 | -0.05 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 39.207 | 2.0 | 111 | -0.05 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 41.301 | -3.3 | 116 | -0.05 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 40.426 | -1.1 | 111 | -0.05 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 40.307 | -0.8 | 114 | -0.05 |
| 15 | | Benzyl Alcohol | 40.000 | 37.100 | 7.2 | 102 | -0.05 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 40.273 | -0.7 | 113 | -0.05 |
| 17 | | 2-Methylphenol | 40.000 | 40.092 | -0.2 | 112 | -0.05 |
| 18 | | Hexachloroethane | 40.000 | 40.215 | -0.5 | 110 | -0.05 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 40.462 | -1.2 | 112 | -0.05 |
| 20 | | 3+4-Methylphenols | 40.000 | 40.904 | -2.3 | 113 | -0.05 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 108 | -0.05 |
| 22 | | Acetophenone | 40.000 | 41.581 | -4.0 | 114 | -0.05 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 81.090 | -1.4 | 112 | -0.05 |
| 24 | | Nitrobenzene | 40.000 | 40.746 | -1.9 | 114 | -0.05 |
| 25 | | Isophorone | 40.000 | 40.288 | -0.7 | 112 | -0.05 |
| 26 | C | 2-Nitrophenol | 40.000 | 40.390 | -1.0 | 111 | -0.05 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 39.575 | 1.1 | 108 | -0.05 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 39.936 | 0.2 | 109 | -0.05 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 40.740 | -1.9 | 112 | -0.05 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 39.833 | 0.4 | 111 | -0.05 |
| 31 | | Naphthalene | 40.000 | 40.921 | -2.3 | 113 | -0.05 |
| 32 | | Benzoic acid | 40.000 | 39.378 | 1.6 | 111 | -0.03 |
| 33 | | 4-Chloroaniline | 40.000 | 40.765 | -1.9 | 113 | -0.05 |
| 34 | C | Hexachlorobutadiene | 40.000 | 39.280 | 1.8 | 111 | -0.05 |
| 35 | | Caprolactam | 40.000 | 43.558 | -8.9 | 119 | -0.05 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 42.358 | -5.9 | 120 | -0.05 |
| 37 | | 2-Methylnaphthalene | 40.000 | 41.805 | -4.5 | 116 | -0.05 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 121 | -0.05 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 40.039 | -0.1 | 117 | -0.05 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 50.931 | -27.3# | 162 | -0.05 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 87.948 | -9.9 | 132 | -0.05 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 40.022 | -0.1 | 120 | -0.05 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 40.187 | -0.5 | 120 | -0.05 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 79.384 | 0.8 | 116 | -0.05 |

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**Instrument :** BNA_G
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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 | 40.165 | -0.4 | 118 | -0.05 |
| 46 | | 2-Chloronaphthalene | 40.000 | 39.918 | 0.2 | 118 | -0.05 |
| 47 | | 2-Nitroaniline | 40.000 | 43.895 | -9.7 | 128 | -0.04 |
| 48 | | Acenaphthylene | 40.000 | 40.863 | -2.2 | 121 | -0.05 |
| 49 | | Dimethylphthalate | 40.000 | 42.080 | -5.2 | 126 | -0.04 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 42.340 | -5.9 | 124 | -0.04 |
| 51 | C | Acenaphthene | 40.000 | 40.474 | -1.2 | 120 | -0.04 |
| 52 | | 3-Nitroaniline | 40.000 | 43.838 | -9.6 | 129 | -0.04 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 38.877 | 2.8 | 119 | -0.05 |
| 54 | | Dibenzofuran | 40.000 | 42.244 | -5.6 | 125 | -0.05 |
| 55 | P | 4-Nitrophenol | 40.000 | 40.422 | -1.1 | 113 | -0.04 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 44.487 | -11.2 | 128 | -0.04 |
| 57 | | Fluorene | 40.000 | 42.311 | -5.8 | 125 | -0.05 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 42.681 | -6.7 | 127 | -0.05 |
| 59 | | Diethylphthalate | 40.000 | 43.406 | -8.5 | 133 | -0.04 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 41.574 | -3.9 | 126 | -0.04 |
| 61 | | 4-Nitroaniline | 40.000 | 44.798 | -12.0 | 127 | -0.04 |
| 62 | | Azobenzene | 40.000 | 42.982 | -7.5 | 129 | -0.04 |
| 63 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 131 | -0.05 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 40.758 | -1.9 | 129 | -0.04 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 39.872 | 0.3 | 131 | -0.05 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 38.987 | 2.5 | 128 | -0.05 |
| 67 | | Hexachlorobenzene | 40.000 | 38.885 | 2.8 | 128 | -0.05 |
| 68 | | Atrazine | 40.000 | 39.336 | 1.7 | 126 | -0.04 |
| 69 | C | Pentachlorophenol | 40.000 | 40.148 | -0.4 | 127 | -0.05 |
| 70 | | Phenanthrene | 40.000 | 40.335 | -0.8 | 132 | -0.05 |
| 71 | | Anthracene | 40.000 | 40.238 | -0.6 | 131 | -0.05 |
| 72 | | Carbazole | 40.000 | 41.661 | -4.2 | 132 | -0.05 |
| 73 | | Di-n-butylphthalate | 40.000 | 40.971 | -2.4 | 132 | -0.05 |
| 74 | C | Fluoranthene | 40.000 | 41.805 | -4.5 | 133 | -0.05 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 130 | -0.06 |
| 76 | | Benzidine | 40.000 | 56.255 | -40.6# | 175 | -0.05 |
| 77 | | Pyrene | 40.000 | 39.657 | 0.9 | 132 | -0.04 |
| 78 | S | Terphenyl-d14 | 80.000 | 79.591 | 0.5 | 130 | -0.05 |
| 79 | | Butylbenzylphthalate | 40.000 | 39.531 | 1.2 | 130 | -0.04 |
| 80 | | Benzo(a)anthracene | 40.000 | 39.411 | 1.5 | 129 | -0.06 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 38.804 | 3.0 | 125 | -0.05 |
| 82 | | Chrysene | 40.000 | 40.143 | -0.4 | 130 | -0.06 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 40.223 | -0.6 | 130 | -0.05 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 39.896 | 0.3 | 128 | -0.07 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 40.078 | -0.2 | 131 | -0.15 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 127 | -0.10 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 41.164 | -2.9 | 132 | -0.08 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 40.000 | 41.395 | -3.5 | 132 | -0.08 |
| 89 C | Benzo(a)pyrene | 40.000 | 41.153 | -2.9 | 131 | -0.09 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 40.648 | -1.6 | 128 | -0.16 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 40.608 | -1.5 | 130 | -0.17 |

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