# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG101218\
Data File : BG037292.D
Acq On : 12 Oct 2018 15:43
Operator : JU/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Oct 12 16:26:24 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG101118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 11 13:59:58 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 | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | 1,4-Dichlorobenzene-d4 | 20.000 | 20.000 | 0.0 | 119 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 39.155 | 2.1 | 121 | 0.00 |
| 3 | | Pyridine | 40.000 | 41.545 | -3.9 | 119 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 38.734 | 3.2 | 116 | 0.00 |
| 5 | S | 2-Fluorophenol | 80.000 | 82.219 | -2.8 | 121 | 0.00 |
| 6 | | Aniline | 40.000 | 39.113 | 2.2 | 115 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 82.152 | -2.7 | 119 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 40.251 | -0.6 | 115 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 39.232 | 1.9 | 115 | 0.00 |
| 10 | C | Phenol | 40.000 | 40.759 | -1.9 | 118 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 39.314 | 1.7 | 117 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 39.588 | 1.0 | 119 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 39.253 | 1.9 | 117 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 38.448 | 3.9 | 116 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 40.325 | -0.8 | 115 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 37.466 | 6.3 | 111 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 40.499 | -1.2 | 117 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 39.411 | 1.5 | 116 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 38.885 | 2.8 | 114 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 41.749 | -4.4 | 119 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 119 | 0.00 |
| 22 | | Acetophenone | 40.000 | 38.508 | 3.7 | 114 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 89.312 | -11.6 | 124 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 43.857 | -9.6 | 122 | 0.00 |
| 25 | | Isophorone | 40.000 | 39.020 | 2.4 | 113 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 46.072 | -15.2 | 142 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 39.886 | 0.3 | 117 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 39.251 | 1.9 | 114 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 42.889 | -7.2 | 118 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 39.095 | 2.3 | 117 | 0.00 |
| 31 | | Naphthalene | 40.000 | 39.242 | 1.9 | 116 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 52.242 | -30.6# | 151 | 0.00 |
| 33 | | 4-Chloroaniline | 40.000 | 39.960 | 0.1 | 115 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 37.574 | 6.1 | 113 | 0.00 |
| 35 | | Caprolactam | 40.000 | 44.791 | -12.0 | 122 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 41.613 | -4.0 | 115 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 39.540 | 1.2 | 116 | 0.00 |
| 38 | | 1-Methylnaphthalene | 40.000 | 39.039 | 2.4 | 114 | 0.00 |
| 39 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 117 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 38.420 | 3.9 | 115 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 40.000 | 40.141 | -0.4 | 117 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 80.000 | 85.773 | -7.2 | 119 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 40.000 | 44.771 | -11.9 | 124 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 40.000 | 45.069 | -12.7 | 125 | 0.00 |

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

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | S | 2-Fluorobiphenyl | 80.000 | 76.395 | 4.5 | 114 | 0.00 |
| 46 | | 1,1'-Biphenyl | 40.000 | 38.842 | 2.9 | 115 | 0.00 |
| 47 | | 2-Chloronaphthalene | 40.000 | 38.607 | 3.5 | 115 | 0.00 |
| 48 | | 2-Nitroaniline | 40.000 | 43.168 | -7.9 | 131 | 0.00 |
| 49 | | Acenaphthylene | 40.000 | 39.022 | 2.4 | 115 | 0.00 |
| 50 | | Dimethylphthalate | 40.000 | 39.733 | 0.7 | 114 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 40.000 | 42.839 | -7.1 | 129 | 0.00 |
| 52 | C | Acenaphthene | 40.000 | 38.605 | 3.5 | 113 | 0.00 |
| 53 | | 3-Nitroaniline | 40.000 | 45.603 | -14.0 | 129 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 40.000 | 42.096 | -5.2 | 127 | 0.00 |
| 55 | | Dibenzofuran | 40.000 | 38.275 | 4.3 | 113 | 0.00 |
| 56 | P | 4-Nitrophenol | 40.000 | 44.200 | -10.5 | 124 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 40.000 | 44.647 | -11.6 | 135 | 0.00 |
| 58 | | Fluorene | 40.000 | 38.952 | 2.6 | 116 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 44.412 | -11.0 | 120 | 0.00 |
| 60 | | Diethylphthalate | 40.000 | 39.586 | 1.0 | 113 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 40.000 | 38.842 | 2.9 | 114 | 0.00 |
| 62 | | 4-Nitroaniline | 40.000 | 43.818 | -9.5 | 125 | 0.00 |
| 63 | | Azobenzene | 40.000 | 38.015 | 5.0 | 112 | 0.00 |
| 64 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 118 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 40.000 | 44.326 | -10.8 | 138 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 40.000 | 38.959 | 2.6 | 113 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 40.000 | 39.152 | 2.1 | 114 | 0.00 |
| 68 | | Hexachlorobenzene | 40.000 | 38.511 | 3.7 | 113 | 0.00 |
| 69 | | Atrazine | 40.000 | 40.464 | -1.2 | 113 | 0.00 |
| 70 | C | Pentachlorophenol | 40.000 | 41.735 | -4.3 | 118 | 0.00 |
| 71 | | Phenanthrene | 40.000 | 37.929 | 5.2 | 112 | 0.00 |
| 72 | | Anthracene | 40.000 | 38.660 | 3.4 | 114 | 0.00 |
| 73 | | Carbazole | 40.000 | 38.318 | 4.2 | 112 | 0.00 |
| 74 | | Di-n-butylphthalate | 40.000 | 40.716 | -1.8 | 112 | 0.00 |
| 75 | C | Fluoranthene | 40.000 | 37.864 | 5.3 | 110 | 0.00 |
| 76 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 114 | 0.00 |
| 77 | | Benzidine | 40.000 | 44.953 | -12.4 | 115 | 0.00 |
| 78 | | Pyrene | 40.000 | 38.953 | 2.6 | 110 | 0.00 |
| 79 | S | Terphenyl-d14 | 80.000 | 76.240 | 4.7 | 108 | 0.00 |
| 80 | | Butylbenzylphthalate | 40.000 | 42.370 | -5.9 | 116 | 0.00 |
| 81 | | Benzo(a)anthracene | 40.000 | 39.122 | 2.2 | 110 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 40.000 | 40.242 | -0.6 | 109 | 0.00 |
| 83 | | Chrysene | 40.000 | 38.743 | 3.1 | 111 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 40.000 | 41.765 | -4.4 | 114 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 40.000 | 42.560 | -6.4 | 116 | -0.02 |
| 86 | | Indeno(1,2,3-cd)pyrene | 40.000 | 39.989 | 0.0 | 111 | -0.03 |
| 87 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 114 | 0.00 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(b)fluoranthene | 40.000 | 39.192 | 2.0 | 110 | 0.00 |
| 89 | Benzo(k)fluoranthene | 40.000 | 39.693 | 0.8 | 112 | 0.00 |
| 90 C | Benzo(a)pyrene | 40.000 | 39.392 | 1.5 | 111 | 0.00 |
| 91 | Dibenzo(a,h)anthracene | 40.000 | 39.919 | 0.2 | 112 | -0.03 |
| 92 | Benzo(g,h,i)perylene | 40.000 | 39.465 | 1.3 | 111 | -0.02 |

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