# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG122118\
Data File : BG038781.D
Acq On : 21 Dec 2018 9:56
Operator : JU/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Dec 21 11:18:59 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 12 15:26:27 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 | 103 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 35.822 | 10.4 | 91 | 0.00 |
| 3 | | Pyridine | 40.000 | 35.538 | 11.2 | 76 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 36.020 | 9.9 | 85 | 0.00 |
| 5 | S | 2-Fluorophenol | 80.000 | 80.802 | -1.0 | 104 | 0.00 |
| 6 | | Aniline | 40.000 | 38.891 | 2.8 | 99 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 80.885 | -1.1 | 105 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 40.599 | -1.5 | 104 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 37.151 | 7.1 | 104 | 0.00 |
| 10 | C | Phenol | 40.000 | 40.576 | -1.4 | 105 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 35.822 | 10.4 | 94 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 39.583 | 1.0 | 103 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 39.242 | 1.9 | 103 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 39.555 | 1.1 | 105 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 40.186 | -0.5 | 99 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 33.375 | 16.6 | 87 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 39.505 | 1.2 | 100 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 37.330 | 6.7 | 98 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 36.747 | 8.1 | 94 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 40.144 | -0.4 | 102 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 104 | 0.00 |
| 22 | | Acetophenone | 40.000 | 38.647 | 3.4 | 99 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 75.313 | 5.9 | 97 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 37.286 | 6.8 | 96 | 0.00 |
| 25 | | Isophorone | 40.000 | 33.754 | 15.6 | 74 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 38.373 | 4.1 | 99 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 39.658 | 0.9 | 102 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 36.359 | 9.1 | 93 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 41.931 | -4.8 | 104 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 40.573 | -1.4 | 105 | 0.00 |
| 31 | | Naphthalene | 40.000 | 39.358 | 1.6 | 102 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 32.141 | 19.6 | 78 | 0.00 |
| 33 | | 4-Chloroaniline | 40.000 | 40.723 | -1.8 | 102 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 40.609 | -1.5 | 103 | 0.00 |
| 35 | | Caprolactam | 40.000 | 34.527 | 13.7 | 93 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 38.201 | 4.5 | 100 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 39.578 | 1.1 | 103 | 0.00 |
| 38 | | 1-Methylnaphthalene | 40.000 | 39.308 | 1.7 | 102 | 0.00 |
| 39 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 104 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 41.255 | -3.1 | 106 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 40.000 | 37.174 | 7.1 | 94 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 80.000 | 85.567 | -7.0 | 109 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 40.000 | 41.319 | -3.3 | 101 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 40.000 | 42.601 | -6.5 | 105 | 0.00 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | S | 2-Fluorobiphenyl | 80.000 | 79.454 | 0.7 | 103 | 0.00 |
| 46 | | 1,1'-Biphenyl | 40.000 | 39.638 | 0.9 | 101 | 0.00 |
| 47 | | 2-Chloronaphthalene | 40.000 | 40.031 | -0.1 | 104 | 0.00 |
| 48 | | 2-Nitroaniline | 40.000 | 38.374 | 4.1 | 97 | 0.00 |
| 49 | | Acenaphthylene | 40.000 | 39.230 | 1.9 | 100 | 0.00 |
| 50 | | Dimethylphthalate | 40.000 | 38.418 | 4.0 | 99 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 40.000 | 38.770 | 3.1 | 100 | 0.00 |
| 52 | C | Acenaphthene | 40.000 | 39.558 | 1.1 | 103 | 0.00 |
| 53 | | 3-Nitroaniline | 40.000 | 39.408 | 1.5 | 100 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 40.000 | 35.240 | 11.9 | 92 | 0.00 |
| 55 | | Dibenzofuran | 40.000 | 39.665 | 0.8 | 104 | 0.00 |
| 56 | P | 4-Nitrophenol | 40.000 | 35.289 | 11.8 | 87 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 40.000 | 39.053 | 2.4 | 98 | 0.00 |
| 58 | | Fluorene | 40.000 | 40.070 | -0.2 | 103 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 39.272 | 1.8 | 97 | 0.00 |
| 60 | | Diethylphthalate | 40.000 | 36.812 | 8.0 | 96 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 40.000 | 40.058 | -0.1 | 103 | 0.00 |
| 62 | | 4-Nitroaniline | 40.000 | 39.745 | 0.6 | 98 | 0.00 |
| 63 | | Azobenzene | 40.000 | 37.027 | 7.4 | 95 | 0.00 |
| 64 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 104 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 40.000 | 33.012 | 17.5 | 84 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 40.000 | 39.623 | 0.9 | 103 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 40.000 | 40.480 | -1.2 | 104 | 0.00 |
| 68 | | Hexachlorobenzene | 40.000 | 41.036 | -2.6 | 105 | 0.00 |
| 69 | | Atrazine | 40.000 | 39.239 | 1.9 | 99 | 0.00 |
| 70 | C | Pentachlorophenol | 40.000 | 33.508 | 16.2 | 84 | 0.00 |
| 71 | | Phenanthrene | 40.000 | 39.479 | 1.3 | 103 | 0.00 |
| 72 | | Anthracene | 40.000 | 39.835 | 0.4 | 102 | 0.00 |
| 73 | | Carbazole | 40.000 | 40.030 | -0.1 | 103 | 0.00 |
| 74 | | Di-n-butylphthalate | 40.000 | 38.784 | 3.0 | 99 | 0.00 |
| 75 | C | Fluoranthene | 40.000 | 38.992 | 2.5 | 104 | 0.00 |
| 76 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 106 | 0.00 |
| 77 | | Benzidine | 40.000 | 32.128 | 19.7 | 71 | 0.00 |
| 78 | | Pyrene | 40.000 | 38.267 | 4.3 | 103 | 0.00 |
| 79 | S | Terphenyl-d14 | 80.000 | 79.146 | 1.1 | 105 | 0.00 |
| 80 | | Butylbenzylphthalate | 40.000 | 37.513 | 6.2 | 97 | 0.00 |
| 81 | | Benzo(a)anthracene | 40.000 | 39.180 | 2.1 | 102 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 40.000 | 38.970 | 2.6 | 98 | 0.00 |
| 83 | | Chrysene | 40.000 | 38.889 | 2.8 | 102 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 40.000 | 37.859 | 5.4 | 96 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 40.000 | 37.609 | 6.0 | 95 | 0.00 |
| 86 | | Indeno(1,2,3-cd)pyrene | 40.000 | 37.459 | 6.4 | 95 | 0.00 |
| 87 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 101 | 0.00 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(b)fluoranthene | 40.000 | 40.000 | 0.0 | 99 | 0.00 |
| 89 | Benzo(k)fluoranthene | 40.000 | 39.974 | 0.1 | 99 | 0.00 |
| 90 C | Benzo(a)pyrene | 40.000 | 40.215 | -0.5 | 100 | 0.00 |
| 91 | Dibenzo(a,h)anthracene | 40.000 | 38.980 | 2.6 | 97 | 0.00 |
| 92 | Benzo(g,h,i)perylene | 40.000 | 38.721 | 3.2 | 96 | 0.00 |

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