# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG112118\
Data File : BG038118.D
Acq On : 21 Nov 2018 15:36
Operator : JU/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Nov 21 16:29:00 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG111318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 13 16:39:28 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 | 91 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 37.883 | 5.3 | 91 | 0.00 |
| 3 | | Pyridine | 40.000 | 38.987 | 2.5 | 88 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 46.591 | -16.5 | 105 | 0.00 |
| 5 | S | 2-Fluorophenol | 80.000 | 83.462 | -4.3 | 95 | 0.00 |
| 6 | | Aniline | 40.000 | 42.169 | -5.4 | 95 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 85.656 | -7.1 | 96 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 43.101 | -7.8 | 97 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 38.864 | 2.8 | 88 | 0.00 |
| 10 | C | Phenol | 40.000 | 43.013 | -7.5 | 96 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 42.482 | -6.2 | 97 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 41.762 | -4.4 | 96 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 41.729 | -4.3 | 94 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 40.850 | -2.1 | 94 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 46.210 | -15.5 | 100 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 46.231 | -15.6 | 105 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 43.740 | -9.4 | 97 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 42.034 | -5.1 | 96 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 42.885 | -7.2 | 97 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 43.679 | -9.2 | 98 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 96 | 0.00 |
| 22 | | Acetophenone | 40.000 | 40.397 | -1.0 | 95 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 84.865 | -6.1 | 100 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 42.823 | -7.1 | 103 | 0.00 |
| 25 | | Isophorone | 40.000 | 40.619 | -1.5 | 96 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 42.106 | -5.3 | 97 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 41.827 | -4.6 | 98 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 41.171 | -2.9 | 97 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 42.043 | -5.1 | 97 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 40.795 | -2.0 | 97 | 0.00 |
| 31 | | Naphthalene | 40.000 | 40.132 | -0.3 | 96 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 36.520 | 8.7 | 90 | 0.01 |
| 33 | | 4-Chloroaniline | 40.000 | 40.329 | -0.8 | 96 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 40.549 | -1.4 | 96 | 0.00 |
| 35 | | Caprolactam | 40.000 | 39.871 | 0.3 | 92 | 0.01 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 41.866 | -4.7 | 97 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 40.050 | -0.1 | 96 | 0.00 |
| 38 | | 1-Methylnaphthalene | 40.000 | 39.799 | 0.5 | 96 | 0.00 |
| 39 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 93 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 42.156 | -5.4 | 98 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 40.000 | 39.063 | 2.3 | 87 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 80.000 | 77.288 | 3.4 | 88 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 40.000 | 41.226 | -3.1 | 94 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 40.000 | 40.992 | -2.5 | 94 | 0.00 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | S | 2-Fluorobiphenyl | 80.000 | 80.655 | -0.8 | 94 | 0.00 |
| 46 | | 1,1'-Biphenyl | 40.000 | 40.871 | -2.2 | 95 | 0.00 |
| 47 | | 2-Chloronaphthalene | 40.000 | 41.029 | -2.6 | 96 | 0.00 |
| 48 | | 2-Nitroaniline | 40.000 | 44.374 | -10.9 | 100 | 0.00 |
| 49 | | Acenaphthylene | 40.000 | 40.817 | -2.0 | 95 | 0.00 |
| 50 | | Dimethylphthalate | 40.000 | 40.506 | -1.3 | 94 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 40.000 | 41.697 | -4.2 | 95 | 0.00 |
| 52 | C | Acenaphthene | 40.000 | 40.724 | -1.8 | 94 | 0.00 |
| 53 | | 3-Nitroaniline | 40.000 | 41.575 | -3.9 | 95 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 40.000 | 26.856 | 32.9# | 54 | 0.00 |
| 55 | | Dibenzofuran | 40.000 | 40.191 | -0.5 | 94 | 0.00 |
| 56 | P | 4-Nitrophenol | 40.000 | 35.503 | 11.2 | 80 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 40.000 | 41.746 | -4.4 | 94 | 0.00 |
| 58 | | Fluorene | 40.000 | 39.947 | 0.1 | 94 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 40.269 | -0.7 | 90 | 0.00 |
| 60 | | Diethylphthalate | 40.000 | 40.087 | -0.2 | 94 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 40.000 | 39.854 | 0.4 | 93 | 0.00 |
| 62 | | 4-Nitroaniline | 40.000 | 40.415 | -1.0 | 91 | 0.00 |
| 63 | | Azobenzene | 40.000 | 41.615 | -4.0 | 97 | 0.00 |
| 64 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 90 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 40.000 | 30.614 | 23.5 | 66 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 40.000 | 41.453 | -3.6 | 93 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 40.000 | 42.159 | -5.4 | 93 | 0.00 |
| 68 | | Hexachlorobenzene | 40.000 | 41.666 | -4.2 | 94 | 0.00 |
| 69 | | Atrazine | 40.000 | 41.184 | -3.0 | 90 | 0.00 |
| 70 | C | Pentachlorophenol | 40.000 | 35.929 | 10.2 | 76 | 0.00 |
| 71 | | Phenanthrene | 40.000 | 40.613 | -1.5 | 92 | 0.00 |
| 72 | | Anthracene | 40.000 | 40.860 | -2.1 | 92 | 0.00 |
| 73 | | Carbazole | 40.000 | 41.020 | -2.6 | 91 | 0.00 |
| 74 | | Di-n-butylphthalate | 40.000 | 41.780 | -4.5 | 92 | 0.00 |
| 75 | C | Fluoranthene | 40.000 | 40.359 | -0.9 | 91 | 0.00 |
| 76 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 90 | 0.00 |
| 77 | | Benzidine | 40.000 | 39.099 | 2.3 | 79 | 0.00 |
| 78 | | Pyrene | 40.000 | 40.928 | -2.3 | 90 | 0.00 |
| 79 | S | Terphenyl-d14 | 80.000 | 81.803 | -2.3 | 91 | 0.00 |
| 80 | | Butylbenzylphthalate | 40.000 | 42.416 | -6.0 | 92 | 0.00 |
| 81 | | Benzo(a)anthracene | 40.000 | 40.987 | -2.5 | 91 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 40.000 | 41.695 | -4.2 | 88 | 0.00 |
| 83 | | Chrysene | 40.000 | 41.371 | -3.4 | 92 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 40.000 | 42.201 | -5.5 | 93 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 40.000 | 43.364 | -8.4 | 93 | 0.00 |
| 86 | | Indeno(1,2,3-cd)pyrene | 40.000 | 40.545 | -1.4 | 88 | 0.00 |
| 87 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 90 | 0.00 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(b)fluoranthene | 40.000 | 41.174 | -2.9 | 90 | 0.00 |
| 89 | Benzo(k)fluoranthene | 40.000 | 42.178 | -5.4 | 94 | 0.00 |
| 90 C | Benzo(a)pyrene | 40.000 | 42.419 | -6.0 | 93 | 0.00 |
| 91 | Dibenzo(a,h)anthracene | 40.000 | 39.255 | 1.9 | 86 | -0.01 |
| 92 | Benzo(g,h,i)perylene | 40.000 | 38.718 | 3.2 | 85 | 0.00 |

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