# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG102618\
Data File : BG037595.D
Acq On : 27 Oct 2018 00:22
Operator : JU/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 17 Sample Multiplier: 1

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

Quant Time: Oct 27 00:58:16 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG101818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 18 14:06:42 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 | 97 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 43.106 | -7.8 | 108 | 0.00 |
| 3 | | Pyridine | 40.000 | 39.824 | 0.4 | 98 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 43.333 | -8.3 | 108 | 0.00 |
| 5 | S | 2-Fluorophenol | 80.000 | 83.396 | -4.2 | 102 | 0.00 |
| 6 | | Aniline | 40.000 | 39.959 | 0.1 | 98 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 80.541 | -0.7 | 98 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 39.578 | 1.1 | 97 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 36.622 | 8.4 | 90 | 0.00 |
| 10 | C | Phenol | 40.000 | 40.067 | -0.2 | 98 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 39.692 | 0.8 | 99 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 40.310 | -0.8 | 100 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 39.380 | 1.5 | 98 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 39.536 | 1.2 | 98 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 39.348 | 1.6 | 94 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 39.848 | 0.4 | 99 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 39.453 | 1.4 | 95 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 40.636 | -1.6 | 100 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 38.948 | 2.6 | 93 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 39.723 | 0.7 | 97 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 97 | 0.00 |
| 22 | | Acetophenone | 40.000 | 38.630 | 3.4 | 94 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 81.290 | -1.6 | 98 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 40.856 | -2.1 | 98 | 0.00 |
| 25 | | Isophorone | 40.000 | 39.607 | 1.0 | 93 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 44.263 | -10.7 | 104 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 39.249 | 1.9 | 94 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 38.964 | 2.6 | 93 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 40.089 | -0.2 | 96 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 39.280 | 1.8 | 97 | 0.00 |
| 31 | | Naphthalene | 40.000 | 39.148 | 2.1 | 96 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 45.918 | -14.8 | 108 | 0.00 |
| 33 | | 4-Chloroaniline | 40.000 | 39.061 | 2.3 | 93 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 39.118 | 2.2 | 94 | 0.00 |
| 35 | | Caprolactam | 40.000 | 41.283 | -3.2 | 96 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 40.343 | -0.9 | 97 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 39.348 | 1.6 | 94 | 0.00 |
| 38 | | 1-Methylnaphthalene | 40.000 | 38.795 | 3.0 | 95 | 0.00 |
| 39 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 98 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 39.120 | 2.2 | 95 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 40.000 | 38.641 | 3.4 | 91 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 80.000 | 82.439 | -3.0 | 95 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 40.000 | 41.120 | -2.8 | 97 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 40.000 | 40.068 | -0.2 | 94 | 0.00 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | S | 2-Fluorobiphenyl | 80.000 | 77.318 | 3.4 | 95 | 0.00 |
| 46 | | 1,1'-Biphenyl | 40.000 | 38.657 | 3.4 | 95 | 0.00 |
| 47 | | 2-Chloronaphthalene | 40.000 | 38.752 | 3.1 | 95 | 0.00 |
| 48 | | 2-Nitroaniline | 40.000 | 41.656 | -4.1 | 99 | 0.00 |
| 49 | | Acenaphthylene | 40.000 | 39.770 | 0.6 | 96 | 0.00 |
| 50 | | Dimethylphthalate | 40.000 | 39.568 | 1.1 | 96 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 40.000 | 41.661 | -4.2 | 98 | 0.00 |
| 52 | C | Acenaphthene | 40.000 | 38.973 | 2.6 | 96 | 0.00 |
| 53 | | 3-Nitroaniline | 40.000 | 41.099 | -2.7 | 96 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 40.000 | 43.108 | -7.8 | 110 | 0.00 |
| 55 | | Dibenzofuran | 40.000 | 38.841 | 2.9 | 96 | 0.00 |
| 56 | P | 4-Nitrophenol | 40.000 | 39.749 | 0.6 | 93 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 40.000 | 43.204 | -8.0 | 99 | 0.00 |
| 58 | | Fluorene | 40.000 | 39.149 | 2.1 | 96 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 39.893 | 0.3 | 95 | 0.00 |
| 60 | | Diethylphthalate | 40.000 | 39.881 | 0.3 | 97 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 40.000 | 38.976 | 2.6 | 95 | 0.00 |
| 62 | | 4-Nitroaniline | 40.000 | 41.163 | -2.9 | 96 | 0.00 |
| 63 | | Azobenzene | 40.000 | 39.307 | 1.7 | 97 | 0.00 |
| 64 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 96 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 40.000 | 41.281 | -3.2 | 107 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 40.000 | 39.355 | 1.6 | 95 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 40.000 | 38.961 | 2.6 | 94 | 0.00 |
| 68 | | Hexachlorobenzene | 40.000 | 38.910 | 2.7 | 94 | 0.00 |
| 69 | | Atrazine | 40.000 | 39.205 | 2.0 | 92 | 0.00 |
| 70 | C | Pentachlorophenol | 40.000 | 39.933 | 0.2 | 94 | 0.00 |
| 71 | | Phenanthrene | 40.000 | 38.931 | 2.7 | 95 | 0.00 |
| 72 | | Anthracene | 40.000 | 39.524 | 1.2 | 96 | 0.00 |
| 73 | | Carbazole | 40.000 | 39.752 | 0.6 | 95 | 0.00 |
| 74 | | Di-n-butylphthalate | 40.000 | 40.729 | -1.8 | 96 | 0.00 |
| 75 | C | Fluoranthene | 40.000 | 39.318 | 1.7 | 95 | 0.00 |
| 76 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 97 | 0.00 |
| 77 | | Benzidine | 40.000 | 29.379 | 26.6# | 69 | 0.00 |
| 78 | | Pyrene | 40.000 | 39.667 | 0.8 | 96 | 0.00 |
| 79 | S | Terphenyl-d14 | 80.000 | 78.880 | 1.4 | 96 | 0.00 |
| 80 | | Butylbenzylphthalate | 40.000 | 41.985 | -5.0 | 98 | 0.00 |
| 81 | | Benzo(a)anthracene | 40.000 | 39.765 | 0.6 | 96 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 40.000 | 39.896 | 0.3 | 93 | 0.00 |
| 83 | | Chrysene | 40.000 | 39.817 | 0.5 | 97 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 40.000 | 42.248 | -5.6 | 98 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 40.000 | 42.679 | -6.7 | 99 | -0.02 |
| 86 | | Indeno(1,2,3-cd)pyrene | 40.000 | 39.724 | 0.7 | 94 | -0.02 |
| 87 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 97 | 0.00 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(b)fluoranthene | 40.000 | 39.783 | 0.5 | 95 | 0.00 |
| 89 | Benzo(k)fluoranthene | 40.000 | 40.478 | -1.2 | 97 | 0.00 |
| 90 C | Benzo(a)pyrene | 40.000 | 40.500 | -1.3 | 96 | 0.00 |
| 91 | Dibenzo(a,h)anthracene | 40.000 | 38.550 | 3.6 | 90 | -0.02 |
| 92 | Benzo(g,h,i)perylene | 40.000 | 37.882 | 5.3 | 91 | -0.02 |

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