Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG060319\

# Evaluate Continuing Calibration Report

Data File : BG041024.D
Acq On : 3 Jun 2019 8:39
Operator : HP/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jun 03 15:24:20 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 29 18:39:57 2019
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 | 99 | -0.01 |
| 2 | | 1,4-Dioxane | 40.000 | 40.838 | -2.1 | 102 | -0.01 |
| 3 | | Pyridine | 40.000 | 41.249 | -3.1 | 102 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 41.175 | -2.9 | 101 | -0.01 |
| 5 | S | 2-Fluorophenol | 80.000 | 80.173 | -0.2 | 98 | 0.00 |
| 6 | | Aniline | 40.000 | 38.892 | 2.8 | 97 | -0.01 |
| 7 | S | Phenol-d6 | 80.000 | 76.047 | 4.9 | 94 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 38.122 | 4.7 | 95 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 39.217 | 2.0 | 97 | -0.01 |
| 10 | C | Phenol | 40.000 | 37.543 | 6.1 | 93 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 39.233 | 1.9 | 96 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 40.101 | -0.3 | 99 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 40.557 | -1.4 | 99 | -0.01 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 39.959 | 0.1 | 98 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 38.525 | 3.7 | 96 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 39.236 | 1.9 | 97 | -0.02 |
| 17 | | 2-Methylphenol | 40.000 | 37.401 | 6.5 | 92 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 41.480 | -3.7 | 103 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 38.410 | 4.0 | 95 | -0.01 |
| 20 | | 3+4-Methylphenols | 40.000 | 36.080 | 9.8 | 91 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 95 | 0.00 |
| 22 | | Acetophenone | 40.000 | 40.104 | -0.3 | 93 | -0.01 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 82.325 | -2.9 | 97 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 40.697 | -1.7 | 94 | 0.00 |
| 25 | | Isophorone | 40.000 | 39.073 | 2.3 | 90 | -0.01 |
| 26 | C | 2-Nitrophenol | 40.000 | 40.473 | -1.2 | 93 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 37.734 | 5.7 | 88 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 39.002 | 2.5 | 91 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 36.887 | 7.8 | 85 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 40.654 | -1.6 | 94 | -0.01 |
| 31 | | Naphthalene | 40.000 | 39.969 | 0.1 | 92 | -0.01 |
| 32 | | Benzoic acid | 40.000 | 35.681 | 10.8 | 83 | -0.01 |
| 33 | | 4-Chloroaniline | 40.000 | 39.274 | 1.8 | 91 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 41.175 | -2.9 | 98 | 0.00 |
| 35 | | Caprolactam | 40.000 | 38.016 | 5.0 | 88 | -0.01 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 36.994 | 7.5 | 86 | -0.01 |
| 37 | | 2-Methylnaphthalene | 40.000 | 38.373 | 4.1 | 90 | 0.00 |
| 38 | | 1-Methylnaphthalene | 40.000 | 38.481 | 3.8 | 89 | 0.00 |
| 39 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 89 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 41.487 | -3.7 | 90 | -0.01 |
| 41 | P | Hexachlorocyclopentadiene | 40.000 | 38.836 | 2.9 | 90 | -0.01 |
| 42 | S | 2,4,6-Tribromophenol | 80.000 | 80.603 | -0.8 | 88 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 40.000 | 39.790 | 0.5 | 85 | -0.01 |
| 44 | | 2,4,5-Trichlorophenol | 40.000 | 39.630 | 0.9 | 87 | 0.00 |

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Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jun 03 15:24:20 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 29 18:39:57 2019
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) |
|---|---|---|---|---|---|---|---|
| 45 | S | 2-Fluorobiphenyl | 80.000 | 82.548 | -3.2 | 89 | -0.01 |
| 46 | | 1,1'-Biphenyl | 40.000 | 40.899 | -2.2 | 87 | -0.01 |
| 47 | | 2-Chloronaphthalene | 40.000 | 41.061 | -2.7 | 89 | 0.00 |
| 48 | | 2-Nitroaniline | 40.000 | 42.499 | -6.2 | 92 | 0.00 |
| 49 | | Acenaphthylene | 40.000 | 40.273 | -0.7 | 85 | -0.01 |
| 50 | | Dimethylphthalate | 40.000 | 39.578 | 1.1 | 85 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 40.000 | 39.143 | 2.1 | 85 | 0.00 |
| 52 | C | Acenaphthene | 40.000 | 39.934 | 0.2 | 86 | 0.00 |
| 53 | | 3-Nitroaniline | 40.000 | 40.816 | -2.0 | 86 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 40.000 | 40.200 | -0.5 | 92 | 0.00 |
| 55 | | Dibenzofuran | 40.000 | 40.329 | -0.8 | 86 | 0.00 |
| 56 | P | 4-Nitrophenol | 40.000 | 40.797 | -2.0 | 86 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 40.000 | 41.072 | -2.7 | 87 | 0.00 |
| 58 | | Fluorene | 40.000 | 40.153 | -0.4 | 87 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 39.373 | 1.6 | 85 | -0.01 |
| 60 | | Diethylphthalate | 40.000 | 39.951 | 0.1 | 86 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 40.000 | 39.965 | 0.1 | 87 | 0.00 |
| 62 | | 4-Nitroaniline | 40.000 | 41.987 | -5.0 | 91 | -0.01 |
| 63 | | Azobenzene | 40.000 | 40.145 | -0.4 | 85 | 0.00 |
| 64 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 88 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 40.000 | 39.975 | 0.1 | 93 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 40.000 | 39.844 | 0.4 | 86 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 40.000 | 38.731 | 3.2 | 83 | -0.01 |
| 68 | | Hexachlorobenzene | 40.000 | 38.955 | 2.6 | 84 | 0.00 |
| 69 | | Atrazine | 40.000 | 42.587 | -6.5 | 85 | 0.00 |
| 70 | C | Pentachlorophenol | 40.000 | 37.486 | 6.3 | 80 | -0.01 |
| 71 | | Phenanthrene | 40.000 | 40.849 | -2.1 | 87 | -0.01 |
| 72 | | Anthracene | 40.000 | 41.175 | -2.9 | 88 | 0.00 |
| 73 | | Carbazole | 40.000 | 42.004 | -5.0 | 90 | 0.00 |
| 74 | | Di-n-butylphthalate | 40.000 | 41.422 | -3.6 | 87 | -0.01 |
| 75 | C | Fluoranthene | 40.000 | 42.526 | -6.3 | 90 | 0.00 |
| 76 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 92 | -0.01 |
| 77 | | Benzidine | 40.000 | 41.559 | -3.9 | 90 | -0.01 |
| 78 | | Pyrene | 40.000 | 41.252 | -3.1 | 90 | 0.00 |
| 79 | S | Terphenyl-d14 | 80.000 | 83.003 | -3.8 | 90 | -0.01 |
| 80 | | Butylbenzylphthalate | 40.000 | 40.438 | -1.1 | 89 | 0.00 |
| 81 | | Benzo(a)anthracene | 40.000 | 40.051 | -0.1 | 89 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 40.000 | 40.025 | -0.1 | 91 | -0.01 |
| 83 | | Chrysene | 40.000 | 40.241 | -0.6 | 89 | -0.01 |
| 84 | | Bis(2-ethylhexyl)phthalate | 40.000 | 39.195 | 2.0 | 87 | -0.01 |
| 85 | c | Di-n-octyl phthalate | 40.000 | 39.619 | 1.0 | 87 | -0.01 |
| 86 | | Indeno(1,2,3-cd)pyrene | 40.000 | 38.018 | 5.0 | 87 | -0.04 |
| 87 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 90 | -0.02 |

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Misc :
ALS Vial : 2 Sample Multiplier: 1

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

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QLast Update : Wed May 29 18:39:57 2019
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) |
|---|---|---|---|---|---|---|
| 88 | Benzo(b)fluoranthene | 40.000 | 40.545 | -1.4 | 89 | -0.01 |
| 89 | Benzo(k)fluoranthene | 40.000 | 40.482 | -1.2 | 88 | -0.02 |
| 90 C | Benzo(a)pyrene | 40.000 | 40.181 | -0.5 | 88 | -0.01 |
| 91 | Dibenzo(a,h)anthracene | 40.000 | 39.935 | 0.2 | 87 | -0.02 |
| 92 | Benzo(g,h,i)perylene | 40.000 | 39.205 | 2.0 | 87 | -0.03 |

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