# Evaluate Continuing Calibration Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG041019\
Data File : BG040431.D
Acq On : 11 Apr 2019 3:05
Operator : JU/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Apr 11 03:42:02 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG032719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 28 05:47:00 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 | 96 | -0.03 |
| 2 | | 1,4-Dioxane | 40.000 | 41.608 | -4.0 | 99 | -0.03 |
| 3 | | Pyridine | 40.000 | 39.808 | 0.5 | 89 | -0.03 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 38.641 | 3.4 | 92 | -0.02 |
| 5 | S | 2-Fluorophenol | 80.000 | 81.248 | -1.6 | 95 | -0.02 |
| 6 | | Aniline | 40.000 | 39.722 | 0.7 | 92 | -0.03 |
| 7 | S | Phenol-d6 | 80.000 | 82.721 | -3.4 | 96 | -0.02 |
| 8 | | 2-Chlorophenol | 40.000 | 40.216 | -0.5 | 94 | -0.02 |
| 9 | | Benzaldehyde | 40.000 | 35.777 | 10.6 | 81 | -0.02 |
| 10 | C | Phenol | 40.000 | 41.071 | -2.7 | 96 | -0.02 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 39.947 | 0.1 | 93 | -0.02 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 40.340 | -0.9 | 94 | -0.03 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 40.605 | -1.5 | 95 | -0.02 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 39.810 | 0.5 | 93 | -0.02 |
| 15 | | Benzyl Alcohol | 40.000 | 37.832 | 5.4 | 88 | -0.02 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 39.669 | 0.8 | 92 | -0.02 |
| 17 | | 2-Methylphenol | 40.000 | 39.380 | 1.5 | 91 | -0.02 |
| 18 | | Hexachloroethane | 40.000 | 38.634 | 3.4 | 91 | -0.03 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 38.130 | 4.7 | 90 | -0.03 |
| 20 | | 3+4-Methylphenols | 40.000 | 40.509 | -1.3 | 94 | -0.02 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 91 | -0.03 |
| 22 | | Acetophenone | 40.000 | 40.859 | -2.1 | 93 | -0.02 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 82.737 | -3.4 | 93 | -0.02 |
| 24 | | Nitrobenzene | 40.000 | 41.122 | -2.8 | 93 | -0.03 |
| 25 | | Isophorone | 40.000 | 40.358 | -0.9 | 91 | -0.03 |
| 26 | C | 2-Nitrophenol | 40.000 | 41.529 | -3.8 | 93 | -0.02 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 39.483 | 1.3 | 89 | -0.03 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 41.268 | -3.2 | 92 | -0.03 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 42.311 | -5.8 | 94 | -0.03 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 40.975 | -2.4 | 93 | -0.03 |
| 31 | | Naphthalene | 40.000 | 41.711 | -4.3 | 93 | -0.03 |
| 32 | | Benzoic acid | 40.000 | 35.400 | 11.5 | 86 | -0.02 |
| 33 | | 4-Chloroaniline | 40.000 | 41.945 | -4.9 | 93 | -0.02 |
| 34 | C | Hexachlorobutadiene | 40.000 | 40.079 | -0.2 | 90 | -0.03 |
| 35 | | Caprolactam | 40.000 | 44.481 | -11.2 | 98 | -0.02 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 45.154 | -12.9 | 101 | -0.02 |
| 37 | | 2-Methylnaphthalene | 40.000 | 42.028 | -5.1 | 94 | -0.03 |
| 38 | | 1-Methylnaphthalene | 40.000 | 42.781 | -7.0 | 96 | -0.03 |
| 39 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 100 | -0.02 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 39.813 | 0.5 | 98 | -0.02 |
| 41 | P | Hexachlorocyclopentadiene | 40.000 | 35.048 | 12.4 | 89 | -0.02 |
| 42 | S | 2,4,6-Tribromophenol | 80.000 | 94.270 | -17.8 | 116 | -0.02 |
| 43 | C | 2,4,6-Trichlorophenol | 40.000 | 40.560 | -1.4 | 99 | -0.02 |
| 44 | | 2,4,5-Trichlorophenol | 40.000 | 42.241 | -5.6 | 105 | -0.02 |

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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 | 80.296 | -0.4 | 97 | -0.02 |
| 46 | | 1,1'-Biphenyl | 40.000 | 40.021 | -0.1 | 98 | -0.02 |
| 47 | | 2-Chloronaphthalene | 40.000 | 40.009 | -0.0 | 99 | -0.03 |
| 48 | | 2-Nitroaniline | 40.000 | 42.448 | -6.1 | 103 | -0.03 |
| 49 | | Acenaphthylene | 40.000 | 41.030 | -2.6 | 100 | -0.02 |
| 50 | | Dimethylphthalate | 40.000 | 42.089 | -5.2 | 103 | -0.02 |
| 51 | | 2,6-Dinitrotoluene | 40.000 | 43.242 | -8.1 | 107 | -0.02 |
| 52 | C | Acenaphthene | 40.000 | 41.087 | -2.7 | 101 | -0.03 |
| 53 | | 3-Nitroaniline | 40.000 | 44.522 | -11.3 | 109 | -0.02 |
| 54 | P | 2,4-Dinitrophenol | 40.000 | 44.542 | -11.4 | 116 | -0.02 |
| 55 | | Dibenzofuran | 40.000 | 42.516 | -6.3 | 105 | -0.02 |
| 56 | P | 4-Nitrophenol | 40.000 | 40.195 | -0.5 | 100 | -0.02 |
| 57 | | 2,4-Dinitrotoluene | 40.000 | 46.152 | -15.4 | 113 | -0.02 |
| 58 | | Fluorene | 40.000 | 43.733 | -9.3 | 108 | -0.03 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 44.530 | -11.3 | 109 | -0.02 |
| 60 | | Diethylphthalate | 40.000 | 44.343 | -10.9 | 109 | -0.02 |
| 61 | | 4-Chlorophenyl-phenylether | 40.000 | 42.541 | -6.4 | 104 | -0.02 |
| 62 | | 4-Nitroaniline | 40.000 | 45.983 | -15.0 | 114 | -0.02 |
| 63 | | Azobenzene | 40.000 | 44.022 | -10.1 | 109 | -0.02 |
| 64 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 115 | -0.03 |
| 65 | | 4,6-Dinitro-2-methylphenol | 40.000 | 42.452 | -6.1 | 125 | -0.02 |
| 66 | c | n-Nitrosodiphenylamine | 40.000 | 39.478 | 1.3 | 110 | -0.03 |
| 67 | | 4-Bromophenyl-phenylether | 40.000 | 39.977 | 0.1 | 112 | -0.03 |
| 68 | | Hexachlorobenzene | 40.000 | 40.382 | -1.0 | 114 | -0.02 |
| 69 | | Atrazine | 40.000 | 39.614 | 1.0 | 110 | -0.03 |
| 70 | C | Pentachlorophenol | 40.000 | 36.123 | 9.7 | 104 | -0.02 |
| 71 | | Phenanthrene | 40.000 | 41.339 | -3.3 | 115 | -0.03 |
| 72 | | Anthracene | 40.000 | 41.022 | -2.6 | 114 | -0.03 |
| 73 | | Carbazole | 40.000 | 42.409 | -6.0 | 117 | -0.03 |
| 74 | | Di-n-butylphthalate | 40.000 | 42.615 | -6.5 | 118 | -0.03 |
| 75 | C | Fluoranthene | 40.000 | 44.266 | -10.7 | 122 | -0.03 |
| 76 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 129 | -0.03 |
| 77 | | Benzidine | 40.000 | 40.270 | -0.7 | 125 | -0.02 |
| 78 | | Pyrene | 40.000 | 38.962 | 2.6 | 122 | -0.03 |
| 79 | S | Terphenyl-d14 | 80.000 | 76.873 | 3.9 | 121 | -0.03 |
| 80 | | Butylbenzylphthalate | 40.000 | 40.771 | -1.9 | 128 | -0.02 |
| 81 | | Benzo(a)anthracene | 40.000 | 40.680 | -1.7 | 128 | -0.03 |
| 82 | | 3,3'-Dichlorobenzidine | 40.000 | 41.431 | -3.6 | 128 | -0.03 |
| 83 | | Chrysene | 40.000 | 40.913 | -2.3 | 128 | -0.03 |
| 84 | | Bis(2-ethylhexyl)phthalate | 40.000 | 41.164 | -2.9 | 130 | -0.03 |
| 85 | c | Di-n-octyl phthalate | 40.000 | 41.266 | -3.2 | 129 | -0.05 |
| 86 | | Indeno(1,2,3-cd)pyrene | 40.000 | 41.034 | -2.6 | 130 | -0.09 |
| 87 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 126 | -0.06 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(b)fluoranthene | 40.000 | 40.863 | -2.2 | 127 | -0.05 |
| 89 | Benzo(k)fluoranthene | 40.000 | 41.016 | -2.5 | 129 | -0.05 |
| 90 C | Benzo(a)pyrene | 40.000 | 41.334 | -3.3 | 128 | -0.06 |
| 91 | Dibenzo(a,h)anthracene | 40.000 | 42.278 | -5.7 | 132 | -0.08 |
| 92 | Benzo(g,h,i)perylene | 40.000 | 42.378 | -5.9 | 132 | -0.10 |

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