# Evaluate Continuing Calibration Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031220\
Data File : BG044746.D
Acq On : 12 Mar 2020 22:48
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Mar 13 07:27:28 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG031020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 10 16:27:39 2020
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 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 36.293 | 9.3 | 90 | 0.00 |
| 3 | | Pyridine | 40.000 | 35.889 | 10.3 | 88 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 39.641 | 0.9 | 96 | 0.00 |
| 5 | S | 2-Fluorophenol | 80.000 | 74.621 | 6.7 | 93 | 0.00 |
| 6 | | Aniline | 40.000 | 36.665 | 8.3 | 91 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 75.224 | 6.0 | 95 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 37.113 | 7.2 | 95 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 35.785 | 10.5 | 93 | 0.00 |
| 10 | C | Phenol | 40.000 | 37.199 | 7.0 | 95 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 36.203 | 9.5 | 92 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 36.010 | 10.0 | 91 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 36.626 | 8.4 | 93 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 36.197 | 9.5 | 92 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 36.873 | 7.8 | 92 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 37.529 | 6.2 | 94 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 36.616 | 8.5 | 92 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 37.806 | 5.5 | 95 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 36.336 | 9.2 | 89 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 36.868 | 7.8 | 90 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 98 | 0.00 |
| 22 | | Acetophenone | 40.000 | 34.773 | 13.1 | 90 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 74.381 | 7.0 | 95 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 36.553 | 8.6 | 94 | 0.00 |
| 25 | | Isophorone | 40.000 | 35.584 | 11.0 | 91 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 40.583 | -1.5 | 108 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 35.908 | 10.2 | 93 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 35.471 | 11.3 | 90 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 37.347 | 6.6 | 95 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 36.109 | 9.7 | 94 | 0.00 |
| 31 | | Naphthalene | 40.000 | 35.892 | 10.3 | 92 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 35.979 | 10.1 | 100 | 0.00 |
| 33 | | 4-Chloroaniline | 40.000 | 35.477 | 11.3 | 92 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 36.291 | 9.3 | 93 | 0.00 |
| 35 | | Caprolactam | 40.000 | 36.185 | 9.5 | 89 | -0.01 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 36.598 | 8.5 | 92 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 36.021 | 9.9 | 91 | 0.00 |
| 38 | | 1-Methylnaphthalene | 40.000 | 36.223 | 9.4 | 92 | 0.00 |
| 39 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 98 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 36.082 | 9.8 | 94 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 40.000 | 37.066 | 7.3 | 98 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 80.000 | 75.911 | 5.1 | 98 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 40.000 | 38.158 | 4.6 | 99 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 40.000 | 36.664 | 8.3 | 96 | 0.00 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | S | 2-Fluorobiphenyl | 80.000 | 72.780 | 9.0 | 93 | 0.00 |
| 46 | | 1,1'-Biphenyl | 40.000 | 36.327 | 9.2 | 94 | 0.00 |
| 47 | | 2-Chloronaphthalene | 40.000 | 36.021 | 9.9 | 94 | 0.00 |
| 48 | | 2-Nitroaniline | 40.000 | 39.223 | 1.9 | 102 | 0.00 |
| 49 | | Acenaphthylene | 40.000 | 36.189 | 9.5 | 93 | 0.00 |
| 50 | | Dimethylphthalate | 40.000 | 35.689 | 10.8 | 92 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 40.000 | 38.538 | 3.7 | 98 | 0.00 |
| 52 | C | Acenaphthene | 40.000 | 35.954 | 10.1 | 94 | 0.00 |
| 53 | | 3-Nitroaniline | 40.000 | 37.291 | 6.8 | 94 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 40.000 | 37.596 | 6.0 | 104 | 0.00 |
| 55 | | Dibenzofuran | 40.000 | 36.148 | 9.6 | 93 | 0.00 |
| 56 | P | 4-Nitrophenol | 40.000 | 36.433 | 8.9 | 94 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 40.000 | 38.763 | 3.1 | 98 | 0.00 |
| 58 | | Fluorene | 40.000 | 36.304 | 9.2 | 94 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 37.523 | 6.2 | 96 | 0.00 |
| 60 | | Diethylphthalate | 40.000 | 36.210 | 9.5 | 93 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 40.000 | 36.316 | 9.2 | 95 | 0.00 |
| 62 | | 4-Nitroaniline | 40.000 | 36.573 | 8.6 | 94 | 0.00 |
| 63 | | Azobenzene | 40.000 | 36.015 | 10.0 | 93 | 0.00 |
| 64 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 100 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 40.000 | 38.930 | 2.7 | 110 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 40.000 | 35.876 | 10.3 | 94 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 40.000 | 35.652 | 10.9 | 95 | 0.00 |
| 68 | | Hexachlorobenzene | 40.000 | 36.010 | 10.0 | 96 | 0.00 |
| 69 | | Atrazine | 40.000 | 36.819 | 8.0 | 92 | 0.00 |
| 70 | C | Pentachlorophenol | 40.000 | 37.910 | 5.2 | 97 | 0.00 |
| 71 | | Phenanthrene | 40.000 | 36.706 | 8.2 | 96 | 0.00 |
| 72 | | Anthracene | 40.000 | 36.417 | 9.0 | 95 | 0.00 |
| 73 | | Carbazole | 40.000 | 35.823 | 10.4 | 93 | 0.00 |
| 74 | | Di-n-butylphthalate | 40.000 | 36.489 | 8.8 | 93 | 0.00 |
| 75 | C | Fluoranthene | 40.000 | 36.651 | 8.4 | 95 | 0.00 |
| 76 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 97 | 0.00 |
| 77 | | Benzidine | 40.000 | 39.961 | 0.1 | 90 | 0.00 |
| 78 | | Pyrene | 40.000 | 37.570 | 6.1 | 94 | 0.00 |
| 79 | S | Terphenyl-d14 | 80.000 | 74.065 | 7.4 | 95 | 0.00 |
| 80 | | Butylbenzylphthalate | 40.000 | 37.466 | 6.3 | 93 | 0.00 |
| 81 | | Benzo(a)anthracene | 40.000 | 36.994 | 7.5 | 93 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 40.000 | 36.472 | 8.8 | 90 | 0.00 |
| 83 | | Chrysene | 40.000 | 37.042 | 7.4 | 94 | -0.01 |
| 84 | | Bis(2-ethylhexyl)phthalate | 40.000 | 36.829 | 7.9 | 93 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 40.000 | 37.708 | 5.7 | 93 | -0.02 |
| 86 | | Indeno(1,2,3-cd)pyrene | 40.000 | 37.269 | 6.8 | 95 | -0.02 |
| 87 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 98 | -0.02 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(b)fluoranthene | 40.000 | 36.637 | 8.4 | 94 | -0.01 |
| 89 | Benzo(k)fluoranthene | 40.000 | 35.534 | 11.2 | 94 | -0.02 |
| 90 C | Benzo(a)pyrene | 40.000 | 36.381 | 9.0 | 95 | -0.02 |
| 91 | Dibenzo(a,h)anthracene | 40.000 | 36.747 | 8.1 | 96 | -0.02 |
| 92 | Benzo(g,h,i)perylene | 40.000 | 36.176 | 9.6 | 94 | -0.03 |

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