# Evaluate Continuing Calibration Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021920\
Data File : BG044512.D
Acq On : 20 Feb 2020 7:12
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Feb 20 08:40:18 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG013020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 10 16:11:50 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 | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 66 | -0.02 |
| 2 | | 1,4-Dioxane | 0.509 | 0.507 | 0.4 | 64 | -0.01 |
| 3 | | Pyridine | 1.357 | 1.487 | -9.6 | 64 | -0.02 |
| 4 | | n-Nitrosodimethylamine | 0.567 | 0.567 | 0.0 | 65 | -0.01 |
| 5 | S | 2-Fluorophenol | 1.133 | 1.213 | -7.1 | 69 | -0.01 |
| 6 | | Aniline | 1.889 | 1.955 | -3.5 | 66 | -0.02 |
| 7 | S | Phenol-d6 | 1.522 | 1.634 | -7.4 | 69 | -0.01 |
| 8 | | 2-Chlorophenol | 1.245 | 1.314 | -5.5 | 67 | -0.01 |
| 9 | | Benzaldehyde | 0.867 | 0.856 | 1.3 | 66 | -0.01 |
| 10 | C | Phenol | 1.506 | 1.619 | -7.5 | 68 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.288 | 1.255 | 2.6 | 63 | -0.01 |
| 12 | | 1,3-Dichlorobenzene | 1.487 | 1.570 | -5.6 | 69 | -0.01 |
| 13 | C | 1,4-Dichlorobenzene | 1.473 | 1.572 | -6.7 | 68 | -0.02 |
| 14 | | 1,2-Dichlorobenzene | 1.392 | 1.478 | -6.2 | 68 | -0.01 |
| 15 | | Benzyl Alcohol | 1.077 | 1.122 | -4.2 | 66 | -0.01 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.743 | 1.744 | -0.1 | 64 | -0.01 |
| 17 | | 2-Methylphenol | 1.075 | 1.122 | -4.4 | 67 | -0.01 |
| 18 | | Hexachloroethane | 0.553 | 0.583 | -5.4 | 69 | -0.01 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.014 | 0.976 | 3.7 | 61 | -0.01 |
| 20 | | 3+4-Methylphenols | 1.481 | 1.549 | -4.6 | 66 | -0.01 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 64 | -0.01 |
| 22 | | Acetophenone | 0.487 | 0.481 | 1.2 | 63 | -0.01 |
| 23 | S | Nitrobenzene-d5 | 0.354 | 0.358 | -1.1 | 65 | -0.02 |
| 24 | | Nitrobenzene | 0.346 | 0.350 | -1.2 | 65 | -0.01 |
| 25 | | Isophorone | 0.660 | 0.642 | 2.7 | 62 | -0.02 |
| 26 | C | 2-Nitrophenol | 0.179 | 0.196 | -9.5 | 69 | -0.01 |
| 27 | | 2,4-Dimethylphenol | 0.253 | 0.261 | -3.2 | 66 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.440 | 0.424 | 3.6 | 61 | -0.02 |
| 29 | C | 2,4-Dichlorophenol | 0.306 | 0.334 | -9.2 | 70 | -0.01 |
| 30 | | 1,2,4-Trichlorobenzene | 0.351 | 0.374 | -6.6 | 68 | -0.02 |
| 31 | | Naphthalene | 0.970 | 1.022 | -5.4 | 68 | -0.01 |
| 32 | | Benzoic acid | 0.135 | 0.045 | 66.7# | 22# | -0.04 |
| 33 | | 4-Chloroaniline | 0.441 | 0.461 | -4.5 | 67 | -0.01 |
| 34 | C | Hexachlorobutadiene | 0.216 | 0.223 | -3.2 | 66 | -0.01 |
| 35 | | Caprolactam | 0.112 | 0.132 | -17.9 | 76 | -0.01 |
| 36 | C | 4-Chloro-3-methylphenol | 0.321 | 0.358 | -11.5 | 72 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.720 | 0.768 | -6.7 | 69 | -0.01 |
| 38 | | 1-Methylnaphthalene | 0.679 | 0.728 | -7.2 | 69 | -0.01 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 69 | -0.01 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.598 | 0.613 | -2.5 | 70 | -0.01 |
| 41 | P | Hexachlorocyclopentadiene | 0.287 | 0.117 | 59.2# | 27# | -0.01 |
| 42 | S | 2,4,6-Tribromophenol | 0.235 | 0.261 | -11.1 | 78 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 0.387 | 0.417 | -7.8 | 74 | -0.01 |
| 44 | | 2,4,5-Trichlorophenol | 0.395 | 0.437 | -10.6 | 75 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | S | 2-Fluorobiphenyl | 1.194 | 1.219 | -2.1 | 70 | -0.01 |
| 46 | | 1,1'-Biphenyl | 1.443 | 1.462 | -1.3 | 70 | -0.01 |
| 47 | | 2-Chloronaphthalene | 1.148 | 1.189 | -3.6 | 72 | -0.01 |
| 48 | | 2-Nitroaniline | 0.339 | 0.355 | -4.7 | 73 | -0.01 |
| 49 | | Acenaphthylene | 1.684 | 1.787 | -6.1 | 73 | -0.01 |
| 50 | | Dimethylphthalate | 1.438 | 1.435 | 0.2 | 70 | -0.01 |
| 51 | | 2,6-Dinitrotoluene | 0.321 | 0.332 | -3.4 | 73 | -0.01 |
| 52 | C | Acenaphthene | 1.091 | 1.137 | -4.2 | 73 | -0.01 |
| 53 | | 3-Nitroaniline | 0.355 | 0.380 | -7.0 | 75 | -0.01 |
| 54 | P | 2,4-Dinitrophenol | 0.159 | 0.063 | 60.4# | 27# | 0.00 |
| 55 | | Dibenzofuran | 1.652 | 1.762 | -6.7 | 74 | -0.01 |
| 56 | P | 4-Nitrophenol | 0.260 | 0.267 | -2.7 | 71 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 0.449 | 0.480 | -6.9 | 76 | 0.00 |
| 58 | | Fluorene | 1.301 | 1.408 | -8.2 | 76 | -0.01 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.357 | 0.384 | -7.6 | 75 | -0.01 |
| 60 | | Diethylphthalate | 1.433 | 1.470 | -2.6 | 72 | -0.02 |
| 61 | | 4-Chlorophenyl-phenylether | 0.706 | 0.744 | -5.4 | 73 | -0.01 |
| 62 | | 4-Nitroaniline | 0.354 | 0.388 | -9.6 | 78 | -0.01 |
| 63 | | Azobenzene | 1.256 | 1.323 | -5.3 | 74 | -0.01 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 74 | -0.01 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.110 | 0.070 | 36.4# | 46# | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 0.560 | 0.581 | -3.7 | 76 | -0.01 |
| 67 | | 4-Bromophenyl-phenylether | 0.218 | 0.225 | -3.2 | 76 | -0.01 |
| 68 | | Hexachlorobenzene | 0.244 | 0.256 | -4.9 | 77 | 0.00 |
| 69 | | Atrazine | 0.192 | 0.184 | 4.2 | 68 | -0.02 |
| 70 | C | Pentachlorophenol | 0.113 | 0.100 | 11.5 | 61 | -0.01 |
| 71 | | Phenanthrene | 0.968 | 1.037 | -7.1 | 78 | -0.01 |
| 72 | | Anthracene | 0.957 | 1.021 | -6.7 | 78 | -0.01 |
| 73 | | Carbazole | 0.883 | 0.949 | -7.5 | 79 | -0.01 |
| 74 | | Di-n-butylphthalate | 1.091 | 1.177 | -7.9 | 77 | -0.02 |
| 75 | C | Fluoranthene | 1.120 | 1.208 | -7.9 | 78 | -0.01 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 80 | -0.01 |
| 77 | | Benzidine | 0.555 | 0.665 | -19.8 | 85 | -0.01 |
| 78 | | Pyrene | 1.284 | 1.289 | -0.4 | 79 | -0.01 |
| 79 | S | Terphenyl-d14 | 0.972 | 0.919 | 5.5 | 80 | -0.01 |
| 80 | | Butylbenzylphthalate | 0.585 | 0.590 | -0.9 | 79 | -0.02 |
| 81 | | Benzo(a)anthracene | 1.233 | 1.246 | -1.1 | 80 | -0.01 |
| 82 | | 3,3'-Dichlorobenzidine | 0.478 | 0.470 | 1.7 | 75 | -0.02 |
| 83 | | Chrysene | 1.191 | 1.200 | -0.8 | 79 | -0.01 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.806 | 0.799 | 0.9 | 78 | -0.02 |
| 85 | c | Di-n-octyl phthalate | 1.394 | 1.412 | -1.3 | 79 | -0.02 |
| 86 | | Indeno(1,2,3-cd)pyrene | 1.554 | 1.555 | -0.1 | 81 | -0.02 |
| 87 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 76 | -0.02 |

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| 88 | Benzo(b)fluoranthene | 1.152 | 1.197 | -3.9 | 79 | -0.01 |
| 89 | Benzo(k)fluoranthene | 1.123 | 1.157 | -3.0 | 77 | -0.01 |
| 90 C | Benzo(a)pyrene | 1.090 | 1.143 | -4.9 | 79 | -0.01 |
| 91 | Dibenzo(a,h)anthracene | 1.078 | 1.170 | -8.5 | 83 | -0.02 |
| 92 | Benzo(g,h,i)perylene | 1.080 | 1.099 | -1.8 | 78 | -0.02 |

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