# Evaluate Continuing Calibration Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072219\
Data File : BF115700.D
Acq On : 22 Jul 2019 10:33
Operator : HP/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_F
**LabSampleId :** SSTDCCC040

Quant Time: Jul 23 01:12:24 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 12 14:03:52 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 | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 79 | 0.00 |
| 2 | | 1,4-Dioxane | 0.610 | 0.585 | 4.1 | 79 | -0.05 |
| 3 | | Pyridine | 1.655 | 1.598 | 3.4 | 80 | -0.05 |
| 4 | | n-Nitrosodimethylamine | 0.600 | 0.587 | 2.2 | 80 | -0.05 |
| 5 | S | 2-Fluorophenol | 1.223 | 1.213 | 0.8 | 81 | 0.00 |
| 6 | | Aniline | 2.159 | 2.127 | 1.5 | 80 | 0.00 |
| 7 | S | Phenol-d6 | 1.551 | 1.539 | 0.8 | 81 | 0.00 |
| 8 | | 2-Chlorophenol | 1.406 | 1.389 | 1.2 | 80 | 0.00 |
| 9 | | Benzaldehyde | 0.970 | 0.952 | 1.9 | 86 | 0.00 |
| 10 | C | Phenol | 1.801 | 1.811 | -0.6 | 81 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.371 | 1.348 | 1.7 | 81 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.581 | 1.542 | 2.5 | 79 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.577 | 1.540 | 2.3 | 79 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.442 | 1.441 | 0.1 | 80 | -0.01 |
| 15 | | Benzyl Alcohol | 1.231 | 1.166 | 5.3 | 77 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.805 | 1.848 | -2.4 | 82 | 0.00 |
| 17 | | 2-Methylphenol | 1.211 | 1.188 | 1.9 | 80 | 0.00 |
| 18 | | Hexachloroethane | 0.585 | 0.573 | 2.1 | 79 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.012 | 0.977 | 3.5 | 80 | -0.01 |
| 20 | | 3+4-Methylphenols | 1.439 | 1.395 | 3.1 | 81 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 84 | 0.00 |
| 22 | | Acetophenone | 0.452 | 0.431 | 4.6 | 81 | -0.01 |
| 23 | S | Nitrobenzene-d5 | 0.344 | 0.330 | 4.1 | 82 | 0.00 |
| 24 | | Nitrobenzene | 0.371 | 0.364 | 1.9 | 84 | 0.00 |
| 25 | | Isophorone | 0.688 | 0.649 | 5.7 | 82 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.191 | 0.183 | 4.2 | 81 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.286 | 0.261 | 8.7 | 77 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.422 | 0.412 | 2.4 | 83 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.297 | 0.287 | 3.4 | 82 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.336 | 0.319 | 5.1 | 80 | 0.00 |
| 31 | | Naphthalene | 0.969 | 0.939 | 3.1 | 81 | 0.00 |
| 32 | | Benzoic acid | 0.234 | 0.198 | 15.4 | 85 | -0.01 |
| 33 | | 4-Chloroaniline | 0.429 | 0.417 | 2.8 | 84 | -0.01 |
| 34 | C | Hexachlorobutadiene | 0.193 | 0.186 | 3.6 | 81 | -0.01 |
| 35 | | Caprolactam | 0.092 | 0.090 | 2.2 | 85 | -0.01 |
| 36 | C | 4-Chloro-3-methylphenol | 0.308 | 0.298 | 3.2 | 83 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.642 | 0.621 | 3.3 | 83 | -0.01 |
| 38 | | 1-Methylnaphthalene | 0.610 | 0.600 | 1.6 | 84 | -0.01 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 87 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.602 | 0.565 | 6.1 | 83 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 0.344 | 0.346 | -0.6 | 87 | -0.01 |
| 42 | S | 2,4,6-Tribromophenol | 0.233 | 0.219 | 6.0 | 85 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 0.440 | 0.390 | 11.4 | 79 | -0.01 |
| 44 | | 2,4,5-Trichlorophenol | 0.451 | 0.420 | 6.9 | 82 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | S | 2-Fluorobiphenyl | 1.143 | 1.129 | 1.2 | 83 | -0.01 |
| 46 | | 1,1'-Biphenyl | 1.564 | 1.492 | 4.6 | 85 | -0.01 |
| 47 | | 2-Chloronaphthalene | 1.302 | 1.233 | 5.3 | 84 | 0.00 |
| 48 | | 2-Nitroaniline | 0.403 | 0.392 | 2.7 | 88 | 0.00 |
| 49 | | Acenaphthylene | 1.929 | 1.856 | 3.8 | 86 | -0.01 |
| 50 | | Dimethylphthalate | 1.505 | 1.443 | 4.1 | 87 | -0.01 |
| 51 | | 2,6-Dinitrotoluene | 0.342 | 0.322 | 5.8 | 84 | 0.00 |
| 52 | C | Acenaphthene | 1.245 | 1.199 | 3.7 | 86 | 0.00 |
| 53 | | 3-Nitroaniline | 0.391 | 0.374 | 4.3 | 85 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 0.176 | 0.155 | 11.9 | 77 | 0.00 |
| 55 | | Dibenzofuran | 1.769 | 1.646 | 7.0 | 86 | 0.00 |
| 56 | P | 4-Nitrophenol | 0.298 | 0.266 | 10.7 | 80 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 0.443 | 0.429 | 3.2 | 87 | 0.00 |
| 58 | | Fluorene | 1.264 | 1.252 | 0.9 | 89 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.377 | 0.359 | 4.8 | 85 | 0.00 |
| 60 | | Diethylphthalate | 1.410 | 1.368 | 3.0 | 87 | -0.01 |
| 61 | | 4-Chlorophenyl-phenylether | 0.701 | 0.652 | 7.0 | 89 | -0.01 |
| 62 | | 4-Nitroaniline | 0.375 | 0.373 | 0.5 | 89 | -0.01 |
| 63 | | Azobenzene | 1.368 | 1.384 | -1.2 | 91 | -0.01 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 90 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.122 | 0.106 | 13.1 | 78 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 0.622 | 0.590 | 5.1 | 87 | -0.01 |
| 67 | | 4-Bromophenyl-phenylether | 0.229 | 0.217 | 5.2 | 86 | -0.01 |
| 68 | | Hexachlorobenzene | 0.261 | 0.246 | 5.7 | 87 | 0.00 |
| 69 | | Atrazine | 0.204 | 0.178 | 12.7 | 84 | -0.01 |
| 70 | C | Pentachlorophenol | 0.160 | 0.131 | 18.1 | 73 | 0.00 |
| 71 | | Phenanthrene | 1.025 | 0.981 | 4.3 | 88 | 0.00 |
| 72 | | Anthracene | 1.059 | 1.000 | 5.6 | 89 | -0.01 |
| 73 | | Carbazole | 0.929 | 0.904 | 2.7 | 90 | 0.00 |
| 74 | | Di-n-butylphthalate | 1.144 | 1.095 | 4.3 | 90 | -0.01 |
| 75 | C | Fluoranthene | 1.083 | 1.034 | 4.5 | 90 | 0.00 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 98 | 0.00 |
| 77 | | Benzidine | 0.709 | 0.695 | 2.0 | 98 | 0.00 |
| 78 | | Pyrene | 1.694 | 1.534 | 9.4 | 90 | 0.00 |
| 79 | S | Terphenyl-d14 | 1.084 | 0.986 | 9.0 | 92 | -0.01 |
| 80 | | Butylbenzylphthalate | 0.722 | 0.675 | 6.5 | 93 | -0.01 |
| 81 | | Benzo(a)anthracene | 1.318 | 1.293 | 1.9 | 98 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 0.468 | 0.458 | 2.1 | 94 | 0.00 |
| 83 | | Chrysene | 1.323 | 1.243 | 6.0 | 94 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.895 | 0.874 | 2.3 | 96 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 1.424 | 1.314 | 7.7 | 91 | 0.00 |
| 86 | | Indeno(1,2,3-cd)pyrene | 1.124 | 0.943 | 16.1 | 87 | 0.00 |
| 87 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 97 | 0.00 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(b)fluoranthene | 1.288 | 1.218 | 5.4 | 98 | 0.00 |
| 89 | Benzo(k)fluoranthene | 1.148 | 1.118 | 2.6 | 93 | 0.00 |
| 90 C | Benzo(a)pyrene | 1.107 | 1.037 | 6.3 | 92 | 0.00 |
| 91 | Dibenzo(a,h)anthracene | 0.972 | 0.884 | 9.1 | 89 | 0.00 |
| 92 | Benzo(g,h,i)perylene | 0.969 | 0.826 | 14.8 | 84 | 0.00 |

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