# Evaluate Continuing Calibration Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111819\
Data File : BF117827.D
Acq On : 18 Nov 2019 11:25
Operator : JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Nov 19 10:39:26 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 18:36:07 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 | 111 | 0.00 |
| 2 | | 1,4-Dioxane | 0.528 | 0.501 | 5.1 | 107 | 0.00 |
| 3 | | Pyridine | 1.385 | 1.348 | 2.7 | 110 | -0.01 |
| 4 | | n-Nitrosodimethylamine | 0.605 | 0.574 | 5.1 | 108 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.130 | 1.084 | 4.1 | 111 | 0.00 |
| 6 | | Aniline | 1.801 | 1.767 | 1.9 | 110 | 0.00 |
| 7 | S | Phenol-d6 | 1.363 | 1.312 | 3.7 | 112 | 0.00 |
| 8 | | 2-Chlorophenol | 1.226 | 1.215 | 0.9 | 111 | 0.00 |
| 9 | | Benzaldehyde | 0.851 | 0.839 | 1.4 | 105 | 0.00 |
| 10 | C | Phenol | 1.416 | 1.406 | 0.7 | 113 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.137 | 1.098 | 3.4 | 109 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.443 | 1.418 | 1.7 | 110 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.459 | 1.438 | 1.4 | 111 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.395 | 1.365 | 2.2 | 112 | 0.00 |
| 15 | | Benzyl Alcohol | 1.052 | 1.072 | -1.9 | 114 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.751 | 1.675 | 4.3 | 104 | 0.00 |
| 17 | | 2-Methylphenol | 1.038 | 1.014 | 2.3 | 109 | 0.00 |
| 18 | | Hexachloroethane | 0.536 | 0.529 | 1.3 | 110 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 0.841 | 0.805 | 4.3 | 109 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.289 | 1.242 | 3.6 | 109 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 107 | 0.00 |
| 22 | | Acetophenone | 0.449 | 0.442 | 1.6 | 109 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.336 | 0.342 | -1.8 | 111 | 0.00 |
| 24 | | Nitrobenzene | 0.347 | 0.349 | -0.6 | 110 | 0.00 |
| 25 | | Isophorone | 0.617 | 0.586 | 5.0 | 107 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.169 | 0.177 | -4.7 | 114 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.263 | 0.254 | 3.4 | 106 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.391 | 0.381 | 2.6 | 109 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.285 | 0.279 | 2.1 | 108 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.330 | 0.326 | 1.2 | 109 | 0.00 |
| 31 | | Naphthalene | 0.932 | 0.918 | 1.5 | 108 | 0.00 |
| 32 | | Benzoic acid | 0.220 | 0.115 | 47.7# | 58 | -0.02 |
| 33 | | 4-Chloroaniline | 0.417 | 0.414 | 0.7 | 110 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.193 | 0.192 | 0.5 | 109 | 0.00 |
| 35 | | Caprolactam | 0.090 | 0.087 | 3.3 | 108 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.289 | 0.285 | 1.4 | 110 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.630 | 0.615 | 2.4 | 107 | 0.00 |
| 38 | | 1-Methylnaphthalene | 0.596 | 0.583 | 2.2 | 108 | 0.00 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 105 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.581 | 0.579 | 0.3 | 108 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 0.325 | 0.316 | 2.8 | 105 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 0.212 | 0.212 | 0.0 | 109 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 0.416 | 0.423 | -1.7 | 110 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 0.432 | 0.426 | 1.4 | 106 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | S | 2-Fluorobiphenyl | 1.115 | 1.172 | -5.1 | 107 | 0.00 |
| 46 | | 1,1'-Biphenyl | 1.484 | 1.478 | 0.4 | 106 | 0.00 |
| 47 | | 2-Chloronaphthalene | 1.221 | 1.217 | 0.3 | 108 | 0.00 |
| 48 | | 2-Nitroaniline | 0.369 | 0.378 | -2.4 | 110 | 0.00 |
| 49 | | Acenaphthylene | 1.780 | 1.781 | -0.1 | 107 | 0.00 |
| 50 | | Dimethylphthalate | 1.402 | 1.373 | 2.1 | 106 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 0.307 | 0.315 | -2.6 | 110 | 0.00 |
| 52 | C | Acenaphthene | 1.140 | 1.120 | 1.8 | 107 | 0.00 |
| 53 | | 3-Nitroaniline | 0.367 | 0.377 | -2.7 | 111 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 0.136 | 0.124 | 8.8 | 102 | 0.00 |
| 55 | | Dibenzofuran | 1.579 | 1.561 | 1.1 | 106 | 0.00 |
| 56 | P | 4-Nitrophenol | 0.274 | 0.283 | -3.3 | 111 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 0.390 | 0.408 | -4.6 | 114 | 0.00 |
| 58 | | Fluorene | 1.223 | 1.195 | 2.3 | 109 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.355 | 0.349 | 1.7 | 106 | 0.00 |
| 60 | | Diethylphthalate | 1.367 | 1.329 | 2.8 | 104 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 0.621 | 0.612 | 1.4 | 106 | 0.00 |
| 62 | | 4-Nitroaniline | 0.367 | 0.379 | -3.3 | 116 | 0.00 |
| 63 | | Azobenzene | 1.244 | 1.221 | 1.8 | 106 | 0.00 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 104 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.093 | 0.094 | -1.1 | 110 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 0.582 | 0.571 | 1.9 | 105 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 0.216 | 0.214 | 0.9 | 106 | 0.00 |
| 68 | | Hexachlorobenzene | 0.252 | 0.249 | 1.2 | 105 | 0.00 |
| 69 | | Atrazine | 0.191 | 0.186 | 2.6 | 104 | 0.00 |
| 70 | C | Pentachlorophenol | 0.147 | 0.144 | 2.0 | 105 | 0.00 |
| 71 | | Phenanthrene | 1.006 | 0.971 | 3.5 | 107 | 0.00 |
| 72 | | Anthracene | 0.997 | 0.966 | 3.1 | 107 | 0.00 |
| 73 | | Carbazole | 0.871 | 0.885 | -1.6 | 109 | 0.00 |
| 74 | | Di-n-butylphthalate | 1.085 | 1.043 | 3.9 | 107 | 0.00 |
| 75 | C | Fluoranthene | 0.973 | 0.973 | 0.0 | 108 | 0.00 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 113 | 0.00 |
| 77 | | Benzidine | 0.655 | 0.572 | 12.7 | 98 | 0.00 |
| 78 | | Pyrene | 1.616 | 1.497 | 7.4 | 108 | 0.00 |
| 79 | S | Terphenyl-d14 | 1.094 | 1.023 | 6.5 | 109 | 0.00 |
| 80 | | Butylbenzylphthalate | 0.694 | 0.673 | 3.0 | 115 | 0.00 |
| 81 | | Benzo(a)anthracene | 1.322 | 1.273 | 3.7 | 113 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 0.462 | 0.467 | -1.1 | 117 | 0.00 |
| 83 | | Chrysene | 1.281 | 1.225 | 4.4 | 115 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.842 | 0.865 | -2.7 | 124 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 1.236 | 1.370 | -10.8 | 135 | 0.00 |
| 86 | | Indeno(1,2,3-cd)pyrene | 1.090 | 1.211 | -11.1 | 145 | 0.00 |
| 87 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 130 | 0.00 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(b)fluoranthene | 1.299 | 1.194 | 8.1 | 121 | 0.00 |
| 89 | Benzo(k)fluoranthene | 1.224 | 1.196 | 2.3 | 135 | 0.00 |
| 90 C | Benzo(a)pyrene | 1.143 | 1.084 | 5.2 | 128 | 0.00 |
| 91 | Dibenzo(a,h)anthracene | 0.983 | 1.039 | -5.7 | 147 | 0.00 |
| 92 | Benzo(g,h,i)perylene | 0.980 | 1.004 | -2.4 | 144 | 0.00 |

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