# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF031819\
Data File : BF113109.D
Acq On : 19 Mar 2019 00:17
Operator : JU/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Mar 20 05:44:56 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 13 03:42:55 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 | 69 | 0.00 |
| 2 | | 1,4-Dioxane | 0.644 | 0.611 | 5.1 | 65 | -0.07 |
| 3 | | Pyridine | 1.724 | 1.462 | 15.2 | 59 | -0.05 |
| 4 | | n-Nitrosodimethylamine | 0.754 | 0.631 | 16.3 | 56 | -0.07 |
| 5 | S | 2-Fluorophenol | 1.286 | 1.083 | 15.8 | 59 | 0.00 |
| 6 | | Aniline | 2.223 | 1.641 | 26.2# | 50 | 0.00 |
| 7 | S | Phenol-d6 | 1.615 | 1.307 | 19.1 | 57 | 0.00 |
| 8 | | 2-Chlorophenol | 1.431 | 1.223 | 14.5 | 59 | 0.00 |
| 9 | | Benzaldehyde | 1.164 | 0.784 | 32.6# | 47# | 0.00 |
| 10 | C | Phenol | 1.885 | 1.485 | 21.2# | 54 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.447 | 1.176 | 18.7 | 56 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.479 | 1.389 | 6.1 | 66 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.483 | 1.502 | -1.3 | 71 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.359 | 1.380 | -1.5 | 72 | 0.00 |
| 15 | | Benzyl Alcohol | 1.232 | 1.068 | 13.3 | 59 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 2.414 | 2.067 | 14.4 | 59 | 0.00 |
| 17 | | 2-Methylphenol | 1.161 | 1.039 | 10.5 | 63 | 0.00 |
| 18 | | Hexachloroethane | 0.568 | 0.423 | 25.5# | 51 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.023 | 0.893 | 12.7 | 61 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.311 | 1.267 | 3.4 | 69 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 69 | 0.00 |
| 22 | | Acetophenone | 0.468 | 0.464 | 0.9 | 68 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.334 | 0.317 | 5.1 | 65 | 0.00 |
| 24 | | Nitrobenzene | 0.372 | 0.335 | 9.9 | 62 | 0.00 |
| 25 | | Isophorone | 0.720 | 0.596 | 17.2 | 59 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.155 | 0.090 | 41.9# | 38# | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.288 | 0.272 | 5.6 | 66 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.450 | 0.434 | 3.6 | 68 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.279 | 0.273 | 2.2 | 67 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.300 | 0.314 | -4.7 | 74 | 0.00 |
| 31 | | Naphthalene | 0.993 | 0.949 | 4.4 | 68 | 0.00 |
| 32 | | Benzoic acid | 0.202 | 0.091 | 55.0# | 31# | -0.05 |
| 33 | | 4-Chloroaniline | 0.421 | 0.392 | 6.9 | 65 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.169 | 0.195 | -15.4 | 80 | 0.00 |
| 35 | | Caprolactam | 0.098 | 0.076 | 22.4 | 53 | -0.02 |
| 36 | C | 4-Chloro-3-methylphenol | 0.309 | 0.266 | 13.9 | 60 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.641 | 0.595 | 7.2 | 65 | 0.00 |
| 38 | | 1-Methylnaphthalene | 0.621 | 0.564 | 9.2 | 64 | 0.00 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 61 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.583 | 0.690 | -18.4 | 73 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 0.319 | 0.011# | 96.6# | 2# | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 0.212 | 0.223 | -5.2 | 63 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 0.401 | 0.385 | 4.0 | 58 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 0.434 | 0.410 | 5.5 | 57 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | S | 2-Fluorobiphenyl | 1.353 | 1.360 | -0.5 | 67 | 0.00 |
| 46 | | 1,1'-Biphenyl | 1.631 | 1.691 | -3.7 | 63 | 0.00 |
| 47 | | 2-Chloronaphthalene | 1.274 | 1.227 | 3.7 | 60 | 0.00 |
| 48 | | 2-Nitroaniline | 0.387 | 0.391 | -1.0 | 58 | 0.00 |
| 49 | | Acenaphthylene | 2.162 | 2.027 | 6.2 | 59 | 0.00 |
| 50 | | Dimethylphthalate | 1.475 | 1.499 | -1.6 | 63 | -0.01 |
| 51 | | 2,6-Dinitrotoluene | 0.307 | 0.273 | 11.1 | 51 | 0.00 |
| 52 | C | Acenaphthene | 1.265 | 1.147 | 9.3 | 56 | 0.00 |
| 53 | | 3-Nitroaniline | 0.374 | 0.396 | -5.9 | 61 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 0.108 | 0.000# | 100.0# | 0# | -9.83# |
| 55 | | Dibenzofuran | 1.838 | 1.742 | 5.2 | 60 | 0.00 |
| 56 | P | 4-Nitrophenol | 0.304 | 0.212 | 30.3# | 39# | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 0.382 | 0.331 | 13.4 | 49# | 0.00 |
| 58 | | Fluorene | 1.304 | 1.268 | 2.8 | 61 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.361 | 0.336 | 6.9 | 56 | 0.00 |
| 60 | | Diethylphthalate | 1.558 | 1.517 | 2.6 | 61 | -0.01 |
| 61 | | 4-Chlorophenyl-phenylether | 0.607 | 0.673 | -10.9 | 70 | 0.00 |
| 62 | | 4-Nitroaniline | 0.346 | 0.396 | -14.5 | 69 | 0.00 |
| 63 | | Azobenzene | 1.595 | 1.292 | 19.0 | 50 | 0.00 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 57 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.076 | 0.000 | 100.0# | 0# | 0.19 |
| 66 | c | n-Nitrosodiphenylamine | 0.641 | 0.641 | 0.0 | 57 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 0.211 | 0.230 | -9.0 | 62 | 0.00 |
| 68 | | Hexachlorobenzene | 0.237 | 0.255 | -7.6 | 61 | 0.00 |
| 69 | | Atrazine | 0.196 | 0.177 | 9.7 | 52 | 0.00 |
| 70 | C | Pentachlorophenol | 0.140 | 0.102 | 27.1# | 39# | 0.00 |
| 71 | | Phenanthrene | 0.995 | 0.996 | -0.1 | 56 | 0.00 |
| 72 | | Anthracene | 1.042 | 1.026 | 1.5 | 57 | 0.00 |
| 73 | | Carbazole | 1.016 | 0.986 | 3.0 | 56 | 0.00 |
| 74 | | Di-n-butylphthalate | 1.218 | 1.188 | 2.5 | 57 | 0.00 |
| 75 | C | Fluoranthene | 1.066 | 1.194 | -12.0 | 62 | 0.00 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 76 | 0.00 |
| 77 | | Benzidine | 1.038 | 0.770 | 25.8# | 55 | 0.00 |
| 78 | | Pyrene | 1.686 | 1.416 | 16.0 | 63 | 0.00 |
| 79 | S | Terphenyl-d14 | 1.032 | 0.948 | 8.1 | 71 | 0.00 |
| 80 | | Butylbenzylphthalate | 0.744 | 0.648 | 12.9 | 64 | 0.00 |
| 81 | | Benzo(a)anthracene | 1.386 | 1.127 | 18.7 | 61 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 0.524 | 0.522 | 0.4 | 73 | 0.00 |
| 83 | | Chrysene | 1.358 | 1.169 | 13.9 | 65 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.873 | 0.848 | 2.9 | 73 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 1.499 | 1.591 | -6.1 | 80 | 0.00 |
| 86 | | Indeno(1,2,3-cd)pyrene | 1.158 | 0.892 | 23.0 | 62 | 0.02 |
| 87 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 62 | 0.00 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(b)fluoranthene | 1.294 | 1.262 | 2.5 | 56 | 0.00 |
| 89 | Benzo(k)fluoranthene | 1.172 | 1.017 | 13.2 | 57 | 0.00 |
| 90 C | Benzo(a)pyrene | 1.144 | 1.060 | 7.3 | 57 | 0.00 |
| 91 | Dibenzo(a,h)anthracene | 0.976 | 0.977 | -0.1 | 64 | 0.01 |
| 92 | Benzo(g,h,i)perylene | 0.980 | 0.941 | 4.0 | 61 | 0.02 |

(#) = Out of Range SPCC's out = 2 CCC's out = 3