# Evaluate Continuing Calibration Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100820\
Data File : BF121899.D
Acq On : 8 Oct 2020 20:24
Operator : JU/CG
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Oct 09 00:50:09 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 01 14:29:14 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 | 69 | -0.01 |
| 2 | | 1,4-Dioxane | 0.618 | 0.564 | 8.7 | 62 | -0.06 |
| 3 | | Pyridine | 1.709 | 1.611 | 5.7 | 64 | -0.05 |
| 4 | | n-Nitrosodimethylamine | 0.793 | 0.749 | 5.5 | 64 | -0.06 |
| 5 | S | 2-Fluorophenol | 1.346 | 1.347 | -0.1 | 70 | -0.01 |
| 6 | | Aniline | 2.299 | 2.094 | 8.9 | 62 | -0.01 |
| 7 | S | Phenol-d6 | 1.766 | 1.718 | 2.7 | 67 | 0.00 |
| 8 | | 2-Chlorophenol | 1.370 | 1.373 | -0.2 | 69 | 0.00 |
| 9 | | Benzaldehyde | 1.154 | 0.992 | 14.0 | 61 | -0.01 |
| 10 | C | Phenol | 1.880 | 1.735 | 7.7 | 63 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.417 | 1.425 | -0.6 | 69 | -0.01 |
| 12 | | 1,3-Dichlorobenzene | 1.529 | 1.519 | 0.7 | 69 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.536 | 1.527 | 0.6 | 69 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.415 | 1.407 | 0.6 | 69 | -0.01 |
| 15 | | Benzyl Alcohol | 1.200 | 1.180 | 1.7 | 66 | -0.01 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 2.280 | 2.196 | 3.7 | 66 | -0.01 |
| 17 | | 2-Methylphenol | 1.166 | 1.148 | 1.5 | 68 | 0.00 |
| 18 | | Hexachloroethane | 0.550 | 0.567 | -3.1 | 70 | -0.01 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.018 | 0.990 | 2.8 | 68 | -0.01 |
| 20 | | 3+4-Methylphenols | 1.401 | 1.386 | 1.1 | 69 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 69 | -0.01 |
| 22 | | Acetophenone | 0.507 | 0.503 | 0.8 | 69 | -0.01 |
| 23 | S | Nitrobenzene-d5 | 0.372 | 0.388 | -4.3 | 70 | 0.00 |
| 24 | | Nitrobenzene | 0.403 | 0.412 | -2.2 | 69 | 0.00 |
| 25 | | Isophorone | 0.750 | 0.747 | 0.4 | 69 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.172 | 0.200 | -16.3 | 74 | -0.01 |
| 27 | | 2,4-Dimethylphenol | 0.335 | 0.329 | 1.8 | 67 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.464 | 0.474 | -2.2 | 70 | -0.01 |
| 29 | C | 2,4-Dichlorophenol | 0.305 | 0.314 | -3.0 | 70 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.321 | 0.322 | -0.3 | 68 | -0.01 |
| 31 | | Naphthalene | 1.056 | 1.044 | 1.1 | 67 | -0.01 |
| 32 | | Benzoic acid | 0.221 | 0.183 | 17.2 | 53 | 0.00 |
| 33 | | 4-Chloroaniline | 0.458 | 0.457 | 0.2 | 68 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.188 | 0.198 | -5.3 | 71 | -0.01 |
| 35 | | Caprolactam | 0.102 | 0.105 | -2.9 | 71 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.328 | 0.338 | -3.0 | 70 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.692 | 0.690 | 0.3 | 69 | -0.01 |
| 38 | | 1-Methylnaphthalene | 0.644 | 0.641 | 0.5 | 69 | -0.01 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 70 | -0.01 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.625 | 0.636 | -1.8 | 71 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 0.357 | 0.226 | 36.7# | 42# | -0.01 |
| 42 | S | 2,4,6-Tribromophenol | 0.249 | 0.260 | -4.4 | 72 | -0.01 |
| 43 | C | 2,4,6-Trichlorophenol | 0.426 | 0.416 | 2.3 | 67 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 0.450 | 0.446 | 0.9 | 69 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | S | 2-Fluorobiphenyl | 1.321 | 1.270 | 3.9 | 70 | -0.01 |
| 46 | | 1,1'-Biphenyl | 1.601 | 1.593 | 0.5 | 70 | -0.01 |
| 47 | | 2-Chloronaphthalene | 1.262 | 1.241 | 1.7 | 69 | -0.01 |
| 48 | | 2-Nitroaniline | 0.392 | 0.426 | -8.7 | 72 | 0.00 |
| 49 | | Acenaphthylene | 1.939 | 1.890 | 2.5 | 69 | -0.01 |
| 50 | | Dimethylphthalate | 1.450 | 1.510 | -4.1 | 74 | -0.01 |
| 51 | | 2,6-Dinitrotoluene | 0.309 | 0.335 | -8.4 | 72 | 0.00 |
| 52 | C | Acenaphthene | 1.224 | 1.122 | 8.3 | 65 | -0.01 |
| 53 | | 3-Nitroaniline | 0.358 | 0.374 | -4.5 | 71 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 0.139 | 0.110 | 20.9 | 54 | 0.00 |
| 55 | | Dibenzofuran | 1.724 | 1.634 | 5.2 | 67 | -0.01 |
| 56 | P | 4-Nitrophenol | 0.285 | 0.299 | -4.9 | 69 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 0.388 | 0.408 | -5.2 | 69 | 0.00 |
| 58 | | Fluorene | 1.319 | 1.337 | -1.4 | 73 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.366 | 0.367 | -0.3 | 70 | -0.01 |
| 60 | | Diethylphthalate | 1.413 | 1.477 | -4.5 | 73 | -0.01 |
| 61 | | 4-Chlorophenyl-phenylether | 0.632 | 0.653 | -3.3 | 74 | -0.01 |
| 62 | | 4-Nitroaniline | 0.355 | 0.373 | -5.1 | 72 | 0.00 |
| 63 | | Azobenzene | 1.505 | 1.526 | -1.4 | 72 | -0.01 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 71 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.109 | 0.113 | -3.7 | 69 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 0.686 | 0.689 | -0.4 | 71 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 0.228 | 0.239 | -4.8 | 74 | -0.01 |
| 68 | | Hexachlorobenzene | 0.257 | 0.262 | -1.9 | 73 | 0.00 |
| 69 | | Atrazine | 0.170 | 0.180 | -5.9 | 73 | 0.00 |
| 70 | C | Pentachlorophenol | 0.141 | 0.117 | 17.0 | 54 | 0.00 |
| 71 | | Phenanthrene | 1.090 | 1.071 | 1.7 | 71 | -0.01 |
| 72 | | Anthracene | 1.125 | 1.118 | 0.6 | 71 | 0.00 |
| 73 | | Carbazole | 1.015 | 0.997 | 1.8 | 70 | 0.00 |
| 74 | | Di-n-butylphthalate | 1.171 | 1.269 | -8.4 | 76 | -0.01 |
| 75 | C | Fluoranthene | 1.163 | 1.108 | 4.7 | 67 | 0.00 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 61 | 0.00 |
| 77 | | Benzidine | 0.663 | 0.610 | 8.0 | 52 | 0.00 |
| 78 | | Pyrene | 1.461 | 1.554 | -6.4 | 65 | 0.00 |
| 79 | S | Terphenyl-d14 | 0.987 | 1.099 | -11.3 | 70 | -0.01 |
| 80 | | Butylbenzylphthalate | 0.591 | 0.708 | -19.8 | 70 | -0.01 |
| 81 | | Benzo(a)anthracene | 1.265 | 1.309 | -3.5 | 64 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 0.494 | 0.515 | -4.3 | 61 | -0.01 |
| 83 | | Chrysene | 1.281 | 1.279 | 0.2 | 61 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.790 | 1.009 | -27.7# | 77 | -0.01 |
| 85 | c | Di-n-octyl phthalate | 1.393 | 1.633 | -17.2 | 68 | -0.01 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 71 | 0.00 |
| 87 | | Indeno(1,2,3-cd)pyrene | 1.302 | 1.592 | -22.3 | 88 | 0.01 |

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| 88 | Benzo(b)fluoranthene | 1.337 | 1.229 | 8.1 | 68 | 0.00 |
| 89 | Benzo(k)fluoranthene | 1.224 | 1.211 | 1.1 | 67 | 0.00 |
| 90 C | Benzo(a)pyrene | 1.137 | 1.155 | -1.6 | 71 | 0.00 |
| 91 | Dibenzo(a,h)anthracene | 1.084 | 1.290 | -19.0 | 86 | 0.00 |
| 92 | Benzo(g,h,i)perylene | 1.066 | 1.373 | -28.8# | 94 | 0.02 |

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