# Evaluate Continuing Calibration Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP112719\
Data File : BP001111.D
Acq On : 28 Nov 2019 06:39
Operator : JU
Sample : SSTDCCC040
Misc :
ALS Vial : 32 Sample Multiplier: 1

**Instrument :** BNA_P
**LabSampleId :** SSTDCCC040

Quant Time: Nov 28 07:14:56 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP112719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 27 17:38:46 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 | 84 | 0.00 |
| 2 | | 1,4-Dioxane | 0.563 | 0.547 | 2.8 | 84 | 0.00 |
| 3 | | Pyridine | 1.562 | 1.565 | -0.2 | 86 | -0.01 |
| 4 | | n-Nitrosodimethylamine | 0.676 | 0.682 | -0.9 | 90 | -0.01 |
| 5 | S | 2-Fluorophenol | 1.205 | 1.207 | -0.2 | 85 | 0.00 |
| 6 | | Aniline | 2.129 | 2.092 | 1.7 | 86 | 0.00 |
| 7 | S | Phenol-d6 | 1.606 | 1.590 | 1.0 | 86 | 0.00 |
| 8 | | 2-Chlorophenol | 1.247 | 1.238 | 0.7 | 85 | 0.00 |
| 9 | | Benzaldehyde | 1.044 | 0.981 | 6.0 | 88 | 0.00 |
| 10 | C | Phenol | 1.827 | 1.808 | 1.0 | 85 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.423 | 1.396 | 1.9 | 86 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.478 | 1.458 | 1.4 | 85 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.489 | 1.482 | 0.5 | 86 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.402 | 1.399 | 0.2 | 85 | 0.00 |
| 15 | | Benzyl Alcohol | 1.318 | 1.336 | -1.4 | 88 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 2.287 | 2.227 | 2.6 | 86 | 0.00 |
| 17 | | 2-Methylphenol | 1.144 | 1.106 | 3.3 | 85 | 0.00 |
| 18 | | Hexachloroethane | 0.616 | 0.618 | -0.3 | 86 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.159 | 1.120 | 3.4 | 86 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.442 | 1.413 | 2.0 | 86 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 85 | 0.00 |
| 22 | | Acetophenone | 0.588 | 0.576 | 2.0 | 86 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.461 | 0.455 | 1.3 | 86 | 0.00 |
| 24 | | Nitrobenzene | 0.458 | 0.454 | 0.9 | 86 | 0.00 |
| 25 | | Isophorone | 0.827 | 0.800 | 3.3 | 87 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.168 | 0.169 | -0.6 | 86 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.266 | 0.261 | 1.9 | 86 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.519 | 0.506 | 2.5 | 86 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.303 | 0.298 | 1.7 | 85 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.354 | 0.346 | 2.3 | 85 | 0.00 |
| 31 | | Naphthalene | 1.021 | 1.020 | 0.1 | 86 | 0.00 |
| 32 | | Benzoic acid | 0.192 | 0.200 | -4.2 | 88 | 0.00 |
| 33 | | 4-Chloroaniline | 0.443 | 0.433 | 2.3 | 86 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.222 | 0.221 | 0.5 | 86 | 0.00 |
| 35 | | Caprolactam | 0.104 | 0.103 | 1.0 | 90 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.359 | 0.353 | 1.7 | 88 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.697 | 0.683 | 2.0 | 85 | 0.00 |
| 38 | | 1-Methylnaphthalene | 0.658 | 0.656 | 0.3 | 88 | 0.00 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 88 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.630 | 0.616 | 2.2 | 87 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 0.291 | 0.283 | 2.7 | 83 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 0.192 | 0.194 | -1.0 | 90 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 0.412 | 0.402 | 2.4 | 87 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 0.426 | 0.416 | 2.3 | 87 | 0.00 |

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|---|---|---|---|---|---|---|---|
| 45 | S | 2-Fluorobiphenyl | 1.367 | 1.339 | 2.0 | 86 | 0.00 |
| 46 | | 1,1'-Biphenyl | 1.546 | 1.516 | 1.9 | 87 | 0.00 |
| 47 | | 2-Chloronaphthalene | 1.235 | 1.209 | 2.1 | 87 | 0.00 |
| 48 | | 2-Nitroaniline | 0.484 | 0.476 | 1.7 | 90 | 0.00 |
| 49 | | Acenaphthylene | 1.851 | 1.829 | 1.2 | 88 | 0.00 |
| 50 | | Dimethylphthalate | 1.496 | 1.467 | 1.9 | 89 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 0.320 | 0.312 | 2.5 | 88 | 0.00 |
| 52 | C | Acenaphthene | 1.113 | 1.095 | 1.6 | 88 | 0.00 |
| 53 | | 3-Nitroaniline | 0.360 | 0.353 | 1.9 | 89 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 0.112 | 0.103 | 8.0 | 85 | 0.00 |
| 55 | | Dibenzofuran | 1.673 | 1.677 | -0.2 | 89 | 0.00 |
| 56 | P | 4-Nitrophenol | 0.255 | 0.259 | -1.6 | 92 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 0.401 | 0.410 | -2.2 | 89 | 0.00 |
| 58 | | Fluorene | 1.340 | 1.337 | 0.2 | 89 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.351 | 0.353 | -0.6 | 90 | 0.00 |
| 60 | | Diethylphthalate | 1.549 | 1.529 | 1.3 | 90 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 0.683 | 0.677 | 0.9 | 89 | 0.00 |
| 62 | | 4-Nitroaniline | 0.417 | 0.407 | 2.4 | 89 | 0.00 |
| 63 | | Azobenzene | 1.674 | 1.659 | 0.9 | 89 | 0.00 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 89 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.080 | 0.074 | 7.5 | 85 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 0.608 | 0.598 | 1.6 | 90 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 0.217 | 0.210 | 3.2 | 87 | 0.00 |
| 68 | | Hexachlorobenzene | 0.239 | 0.232 | 2.9 | 89 | 0.00 |
| 69 | | Atrazine | 0.186 | 0.184 | 1.1 | 88 | 0.00 |
| 70 | C | Pentachlorophenol | 0.124 | 0.127 | -2.4 | 90 | 0.00 |
| 71 | | Phenanthrene | 1.051 | 1.046 | 0.5 | 90 | 0.00 |
| 72 | | Anthracene | 1.036 | 1.037 | -0.1 | 90 | 0.00 |
| 73 | | Carbazole | 0.943 | 0.950 | -0.7 | 91 | 0.00 |
| 74 | | Di-n-butylphthalate | 1.268 | 1.300 | -2.5 | 90 | 0.00 |
| 75 | C | Fluoranthene | 1.113 | 1.138 | -2.2 | 90 | 0.00 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 89 | 0.00 |
| 77 | | Benzidine | 0.516 | 0.526 | -1.9 | 76 | 0.00 |
| 78 | | Pyrene | 1.575 | 1.493 | 5.2 | 91 | 0.00 |
| 79 | S | Terphenyl-d14 | 1.081 | 1.035 | 4.3 | 90 | 0.00 |
| 80 | | Butylbenzylphthalate | 0.728 | 0.717 | 1.5 | 91 | 0.00 |
| 81 | | Benzo(a)anthracene | 1.387 | 1.343 | 3.2 | 90 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 0.458 | 0.466 | -1.7 | 90 | 0.00 |
| 83 | | Chrysene | 1.242 | 1.241 | 0.1 | 91 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 1.000 | 1.018 | -1.8 | 91 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 1.777 | 1.781 | -0.2 | 90 | 0.00 |
| 86 | | Indeno(1,2,3-cd)pyrene | 1.463 | 1.427 | 2.5 | 90 | -0.01 |
| 87 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 89 | 0.00 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(b)fluoranthene | 1.222 | 1.185 | 3.0 | 89 | 0.00 |
| 89 | Benzo(k)fluoranthene | 1.177 | 1.152 | 2.1 | 90 | 0.00 |
| 90 C | Benzo(a)pyrene | 1.125 | 1.096 | 2.6 | 90 | 0.00 |
| 91 | Dibenzo(a,h)anthracene | 1.101 | 1.084 | 1.5 | 90 | -0.01 |
| 92 | Benzo(g,h,i)perylene | 1.087 | 1.067 | 1.8 | 91 | -0.01 |

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