# Evaluate Continuing Calibration Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122419\
Data File : BP001408.D
Acq On : 25 Dec 2019 05:36
Operator : JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Dec 25 06:07:44 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP121919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 24 16:04:49 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 | 95 | 0.00 |
| 2 | | 1,4-Dioxane | 0.509 | 0.402 | 21.0 | 79 | 0.00 |
| 3 | | Pyridine | 1.391 | 1.056 | 24.1 | 73 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.881 | 0.841 | 4.5 | 93 | 0.01 |
| 5 | S | 2-Fluorophenol | 1.237 | 1.130 | 8.6 | 90 | 0.00 |
| 6 | | Aniline | 2.033 | 1.853 | 8.9 | 89 | 0.00 |
| 7 | S | Phenol-d6 | 1.615 | 1.475 | 8.7 | 90 | 0.00 |
| 8 | | 2-Chlorophenol | 1.244 | 1.161 | 6.7 | 93 | 0.00 |
| 9 | | Benzaldehyde | 1.133 | 0.967 | 14.7 | 83 | 0.00 |
| 10 | C | Phenol | 1.845 | 1.632 | 11.5 | 89 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.305 | 1.171 | 10.3 | 89 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.550 | 1.493 | 3.7 | 95 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.579 | 1.509 | 4.4 | 95 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.504 | 1.430 | 4.9 | 94 | 0.00 |
| 15 | | Benzyl Alcohol | 1.515 | 1.381 | 8.8 | 89 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 2.067 | 1.718 | 16.9 | 82 | 0.00 |
| 17 | | 2-Methylphenol | 1.099 | 1.014 | 7.7 | 91 | 0.00 |
| 18 | | Hexachloroethane | 0.672 | 0.527 | 21.6 | 77 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.146 | 1.007 | 12.1 | 87 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.459 | 1.328 | 9.0 | 90 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 91 | 0.00 |
| 22 | | Acetophenone | 0.632 | 0.575 | 9.0 | 89 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.521 | 0.462 | 11.3 | 87 | 0.00 |
| 24 | | Nitrobenzene | 0.513 | 0.456 | 11.1 | 86 | 0.00 |
| 25 | | Isophorone | 0.837 | 0.736 | 12.1 | 86 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.183 | 0.163 | 10.9 | 86 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.269 | 0.253 | 5.9 | 91 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.500 | 0.447 | 10.6 | 87 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.333 | 0.315 | 5.4 | 93 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.409 | 0.386 | 5.6 | 93 | 0.00 |
| 31 | | Naphthalene | 1.092 | 1.011 | 7.4 | 91 | 0.00 |
| 32 | | Benzoic acid | 0.204 | 0.114 | 44.1# | 53 | 0.00 |
| 33 | | 4-Chloroaniline | 0.446 | 0.406 | 9.0 | 89 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.286 | 0.276 | 3.5 | 94 | 0.00 |
| 35 | | Caprolactam | 0.099 | 0.087 | 12.1 | 85 | 0.01 |
| 36 | C | 4-Chloro-3-methylphenol | 0.389 | 0.336 | 13.6 | 85 | 0.01 |
| 37 | | 2-Methylnaphthalene | 0.754 | 0.697 | 7.6 | 92 | 0.00 |
| 38 | | 1-Methylnaphthalene | 0.709 | 0.652 | 8.0 | 90 | 0.00 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 89 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.740 | 0.725 | 2.0 | 92 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 0.366 | 0.094 | 74.3# | 24# | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 0.250 | 0.216 | 13.6 | 82 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 0.455 | 0.412 | 9.5 | 86 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 0.467 | 0.419 | 10.3 | 84 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | S | 2-Fluorobiphenyl | 1.582 | 1.589 | -0.4 | 95 | 0.00 |
| 46 | | 1,1'-Biphenyl | 1.674 | 1.629 | 2.7 | 92 | 0.00 |
| 47 | | 2-Chloronaphthalene | 1.353 | 1.289 | 4.7 | 90 | 0.00 |
| 48 | | 2-Nitroaniline | 0.542 | 0.490 | 9.6 | 84 | 0.00 |
| 49 | | Acenaphthylene | 1.978 | 1.817 | 8.1 | 87 | 0.00 |
| 50 | | Dimethylphthalate | 1.641 | 1.578 | 3.8 | 91 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 0.333 | 0.300 | 9.9 | 86 | 0.00 |
| 52 | C | Acenaphthene | 1.192 | 1.102 | 7.6 | 88 | 0.00 |
| 53 | | 3-Nitroaniline | 0.358 | 0.336 | 6.1 | 89 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 0.129 | 0.017# | 86.8# | 12# | 0.00 |
| 55 | | Dibenzofuran | 1.867 | 1.730 | 7.3 | 89 | 0.00 |
| 56 | P | 4-Nitrophenol | 0.256 | 0.171 | 33.2# | 62 | 0.01 |
| 57 | | 2,4-Dinitrotoluene | 0.463 | 0.399 | 13.8 | 81 | 0.00 |
| 58 | | Fluorene | 1.493 | 1.361 | 8.8 | 87 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.401 | 0.332 | 17.2 | 78 | 0.00 |
| 60 | | Diethylphthalate | 1.692 | 1.571 | 7.2 | 88 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 0.785 | 0.752 | 4.2 | 91 | 0.00 |
| 62 | | 4-Nitroaniline | 0.414 | 0.393 | 5.1 | 90 | 0.00 |
| 63 | | Azobenzene | 1.782 | 1.526 | 14.4 | 81 | 0.00 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 81 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.090 | 0.023 | 74.4# | 22# | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 0.634 | 0.644 | -1.6 | 87 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 0.236 | 0.239 | -1.3 | 87 | 0.00 |
| 68 | | Hexachlorobenzene | 0.269 | 0.259 | 3.7 | 83 | 0.00 |
| 69 | | Atrazine | 0.228 | 0.204 | 10.5 | 76 | 0.00 |
| 70 | C | Pentachlorophenol | 0.138 | 0.100 | 27.5# | 63 | 0.00 |
| 71 | | Phenanthrene | 1.141 | 1.055 | 7.5 | 80 | 0.00 |
| 72 | | Anthracene | 1.130 | 1.056 | 6.5 | 81 | 0.00 |
| 73 | | Carbazole | 1.007 | 0.927 | 7.9 | 79 | 0.00 |
| 74 | | Di-n-butylphthalate | 1.382 | 1.343 | 2.8 | 84 | 0.00 |
| 75 | C | Fluoranthene | 1.276 | 1.145 | 10.3 | 78 | 0.00 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 76 | 0.00 |
| 77 | | Benzidine | 0.582 | 0.468 | 19.6 | 64 | 0.01 |
| 78 | | Pyrene | 1.553 | 1.434 | 7.7 | 76 | 0.00 |
| 79 | S | Terphenyl-d14 | 1.168 | 1.158 | 0.9 | 82 | 0.00 |
| 80 | | Butylbenzylphthalate | 0.724 | 0.673 | 7.0 | 75 | 0.00 |
| 81 | | Benzo(a)anthracene | 1.457 | 1.340 | 8.0 | 75 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 0.506 | 0.497 | 1.8 | 77 | 0.00 |
| 83 | | Chrysene | 1.407 | 1.301 | 7.5 | 76 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 1.062 | 1.005 | 5.4 | 79 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 1.761 | 1.607 | 8.7 | 75 | 0.00 |
| 86 | | Indeno(1,2,3-cd)pyrene | 1.519 | 1.117 | 26.5# | 59 | 0.01 |
| 87 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 70 | 0.00 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(b)fluoranthene | 1.313 | 1.283 | 2.3 | 74 | 0.00 |
| 89 | Benzo(k)fluoranthene | 1.251 | 1.215 | 2.9 | 74 | 0.00 |
| 90 C | Benzo(a)pyrene | 1.197 | 1.150 | 3.9 | 73 | 0.00 |
| 91 | Dibenzo(a,h)anthracene | 1.170 | 0.970 | 17.1 | 63 | 0.01 |
| 92 | Benzo(g,h,i)perylene | 1.118 | 0.831 | 25.7# | 56 | 0.00 |

(#) = Out of Range SPCC's out = 1 CCC's out = 1