# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA P\Data\BP062620\
Data File : BP002546.D
Acq On : 26 Jun 2020 10:03
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jun 26 12:55:49 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP060520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 24 13:54:06 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 | 62 | 0.00 |
| 2 | | 1,4-Dioxane | 0.498 | 0.545 | -9.4 | 67 | 0.00 |
| 3 | | Pyridine | 1.353 | 1.509 | -11.5 | 69 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.558 | 0.635 | -13.8 | 67 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.081 | 1.179 | -9.1 | 65 | 0.00 |
| 6 | | Aniline | 1.957 | 2.042 | -4.3 | 61 | 0.00 |
| 7 | S | Phenol-d6 | 1.439 | 1.509 | -4.9 | 62 | 0.00 |
| 8 | | 2-Chlorophenol | 1.215 | 1.299 | -6.9 | 63 | 0.00 |
| 9 | | Benzaldehyde | 0.735 | 0.774 | -5.3 | 60 | 0.00 |
| 10 | C | Phenol | 1.561 | 1.638 | -4.9 | 62 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.303 | 1.332 | -2.2 | 61 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.399 | 1.499 | -7.1 | 64 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.408 | 1.524 | -8.2 | 64 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.349 | 1.463 | -8.5 | 64 | 0.00 |
| 15 | | Benzyl Alcohol | 1.115 | 1.191 | -6.8 | 62 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.849 | 1.907 | -3.1 | 62 | 0.00 |
| 17 | | 2-Methylphenol | 1.140 | 1.206 | -5.8 | 62 | 0.00 |
| 18 | | Hexachloroethane | 0.513 | 0.560 | -9.2 | 66 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 0.962 | 1.009 | -4.9 | 62 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.539 | 1.613 | -4.8 | 61 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 58 | 0.00 |
| 22 | | Acetophenone | 0.449 | 0.493 | -9.8 | 62 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.335 | 0.376 | -12.2 | 63 | 0.00 |
| 24 | | Nitrobenzene | 0.360 | 0.399 | -10.8 | 62 | 0.00 |
| 25 | | Isophorone | 0.682 | 0.729 | -6.9 | 60 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.160 | 0.183 | -14.4 | 63 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.252 | 0.272 | -7.9 | 60 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.406 | 0.424 | -4.4 | 59 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.283 | 0.310 | -9.5 | 61 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.316 | 0.350 | -10.8 | 63 | 0.00 |
| 31 | | Naphthalene | 0.929 | 1.009 | -8.6 | 62 | 0.00 |
| 32 | | Benzoic acid | 0.191 | 0.172 | 9.9 | 45# | 0.00 |
| 33 | | 4-Chloroaniline | 0.406 | 0.433 | -6.7 | 59 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.184 | 0.214 | -16.3 | 67 | 0.00 |
| 35 | | Caprolactam | 0.100 | 0.101 | -1.0 | 54 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.307 | 0.326 | -6.2 | 58 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.659 | 0.708 | -7.4 | 61 | 0.00 |
| 38 | | 1-Methylnaphthalene | 0.619 | 0.658 | -6.3 | 60 | 0.00 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 55 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.527 | 0.601 | -14.0 | 62 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 0.280 | 0.290 | -3.6 | 55 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 0.191 | 0.213 | -11.5 | 59 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 0.373 | 0.409 | -9.7 | 58 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 0.432 | 0.473 | -9.5 | 58 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | S | 2-Fluorobiphenyl | 1.189 | 1.292 | -8.7 | 63 | 0.00 |
| 46 | | 1,1'-Biphenyl | 1.311 | 1.430 | -9.1 | 60 | 0.00 |
| 47 | | 2-Chloronaphthalene | 1.072 | 1.192 | -11.2 | 61 | 0.00 |
| 48 | | 2-Nitroaniline | 0.342 | 0.382 | -11.7 | 58 | 0.00 |
| 49 | | Acenaphthylene | 1.711 | 1.837 | -7.4 | 58 | 0.00 |
| 50 | | Dimethylphthalate | 1.370 | 1.448 | -5.7 | 57 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 0.298 | 0.318 | -6.7 | 56 | 0.00 |
| 52 | C | Acenaphthene | 1.002 | 1.068 | -6.6 | 58 | 0.00 |
| 53 | | 3-Nitroaniline | 0.340 | 0.355 | -4.4 | 54 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 0.163 | 0.162 | 0.6 | 50# | 0.00 |
| 55 | | Dibenzofuran | 1.614 | 1.713 | -6.1 | 57 | 0.00 |
| 56 | P | 4-Nitrophenol | 0.270 | 0.253 | 6.3 | 47# | 0.01 |
| 57 | | 2,4-Dinitrotoluene | 0.405 | 0.427 | -5.4 | 54 | 0.00 |
| 58 | | Fluorene | 1.270 | 1.282 | -0.9 | 60 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.343 | 0.361 | -5.2 | 55 | 0.00 |
| 60 | | Diethylphthalate | 1.373 | 1.393 | -1.5 | 54 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 0.615 | 0.685 | -11.4 | 62 | 0.00 |
| 62 | | 4-Nitroaniline | 0.327 | 0.344 | -5.2 | 55 | 0.00 |
| 63 | | Azobenzene | 1.367 | 1.408 | -3.0 | 56 | 0.00 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 51 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.106 | 0.118 | -11.3 | 53 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 0.511 | 0.564 | -10.4 | 56 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 0.189 | 0.215 | -13.8 | 57 | 0.00 |
| 68 | | Hexachlorobenzene | 0.201 | 0.227 | -12.9 | 57 | 0.00 |
| 69 | | Atrazine | 0.167 | 0.163 | 2.4 | 48# | 0.00 |
| 70 | C | Pentachlorophenol | 0.120 | 0.121 | -0.8 | 47# | 0.00 |
| 71 | | Phenanthrene | 0.936 | 1.023 | -9.3 | 56 | 0.00 |
| 72 | | Anthracene | 0.929 | 1.023 | -10.1 | 56 | 0.00 |
| 73 | | Carbazole | 0.914 | 0.951 | -4.0 | 52 | 0.00 |
| 74 | | Di-n-butylphthalate | 1.082 | 1.125 | -4.0 | 52 | 0.00 |
| 75 | C | Fluoranthene | 1.117 | 1.169 | -4.7 | 52 | 0.00 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 47# | 0.00 |
| 77 | | Benzidine | 0.447 | 0.549 | -22.8 | 52 | 0.00 |
| 78 | | Pyrene | 1.225 | 1.415 | -15.5 | 52 | 0.00 |
| 79 | S | Terphenyl-d14 | 0.763 | 0.956 | -25.3# | 57 | 0.00 |
| 80 | | Butylbenzylphthalate | 0.545 | 0.595 | -9.2 | 48# | 0.00 |
| 81 | | Benzo(a)anthracene | 1.142 | 1.261 | -10.4 | 50 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 0.424 | 0.458 | -8.0 | 46# | 0.00 |
| 83 | | Chrysene | 1.082 | 1.222 | -12.9 | 52 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.792 | 0.843 | -6.4 | 48# | 0.00 |
| 85 | c | Di-n-octyl phthalate | 1.389 | 1.469 | -5.8 | 47# | 0.01 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 46# | 0.01 |
| 87 | | Indeno(1,2,3-cd)pyrene | 1.251 | 1.425 | -13.9 | 51 | 0.02 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(b)fluoranthene | 1.079 | 1.165 | -8.0 | 46# | 0.01 |
| 89 | Benzo(k)fluoranthene | 1.025 | 1.148 | -12.0 | 52 | 0.00 |
| 90 C | Benzo(a)pyrene | 1.011 | 1.111 | -9.9 | 49# | 0.01 |
| 91 | Dibenzo(a,h)anthracene | 1.003 | 1.158 | -15.5 | 51 | 0.02 |
| 92 | Benzo(g,h,i)perylene | 1.039 | 1.168 | -12.4 | 50# | 0.02 |

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