# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA P\Data\BP082820\
Data File : BP003147.D
Acq On : 28 Aug 2020 11:31
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Aug 28 12:49:53 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP082420.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 24 15:32:08 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 | 93 | 0.00 |
| 2 | | 1,4-Dioxane | 0.432 | 0.386 | 10.6 | 91 | 0.00 |
| 3 | | Pyridine | 1.138 | 1.012 | 11.1 | 87 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.297 | 0.282 | 5.1 | 92 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.131 | 1.040 | 8.0 | 91 | 0.00 |
| 6 | | Aniline | 1.544 | 1.385 | 10.3 | 88 | 0.00 |
| 7 | S | Phenol-d6 | 1.418 | 1.269 | 10.5 | 89 | 0.00 |
| 8 | | 2-Chlorophenol | 1.261 | 1.141 | 9.5 | 91 | 0.00 |
| 9 | | Benzaldehyde | 0.661 | 0.619 | 6.4 | 92 | 0.00 |
| 10 | C | Phenol | 1.314 | 1.175 | 10.6 | 88 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.040 | 0.928 | 10.8 | 89 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.533 | 1.401 | 8.6 | 93 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.548 | 1.417 | 8.5 | 93 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.468 | 1.338 | 8.9 | 93 | 0.00 |
| 15 | | Benzyl Alcohol | 0.799 | 0.745 | 6.8 | 90 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 0.881 | 0.773 | 12.3 | 87 | 0.00 |
| 17 | | 2-Methylphenol | 0.936 | 0.842 | 10.0 | 88 | 0.00 |
| 18 | | Hexachloroethane | 0.506 | 0.468 | 7.5 | 93 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 0.641 | 0.574 | 10.5 | 88 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.261 | 1.133 | 10.2 | 88 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 89 | 0.00 |
| 22 | | Acetophenone | 0.445 | 0.407 | 8.5 | 88 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.277 | 0.258 | 6.9 | 88 | 0.00 |
| 24 | | Nitrobenzene | 0.272 | 0.253 | 7.0 | 89 | 0.00 |
| 25 | | Isophorone | 0.489 | 0.446 | 8.8 | 86 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.162 | 0.160 | 1.2 | 89 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.244 | 0.224 | 8.2 | 87 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.365 | 0.322 | 11.8 | 85 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.303 | 0.285 | 5.9 | 89 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.361 | 0.336 | 6.9 | 91 | 0.00 |
| 31 | | Naphthalene | 1.028 | 0.930 | 9.5 | 89 | 0.00 |
| 32 | | Benzoic acid | 0.159 | 0.152 | 4.4 | 80 | 0.00 |
| 33 | | 4-Chloroaniline | 0.429 | 0.391 | 8.9 | 87 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.216 | 0.208 | 3.7 | 95 | 0.00 |
| 35 | | Caprolactam | 0.091 | 0.083 | 8.8 | 84 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.283 | 0.256 | 9.5 | 86 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.735 | 0.659 | 10.3 | 88 | 0.00 |
| 38 | | 1-Methylnaphthalene | 0.699 | 0.617 | 11.7 | 86 | 0.00 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 87 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.593 | 0.574 | 3.2 | 90 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 0.280 | 0.268 | 4.3 | 82 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 0.270 | 0.262 | 3.0 | 90 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 0.390 | 0.381 | 2.3 | 88 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 0.412 | 0.402 | 2.4 | 89 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | S | 2-Fluorobiphenyl | 1.366 | 1.281 | 6.2 | 89 | 0.00 |
| 46 | | 1,1'-Biphenyl | 1.500 | 1.390 | 7.3 | 87 | 0.00 |
| 47 | | 2-Chloronaphthalene | 1.228 | 1.147 | 6.6 | 88 | 0.00 |
| 48 | | 2-Nitroaniline | 0.230 | 0.224 | 2.6 | 86 | 0.00 |
| 49 | | Acenaphthylene | 1.857 | 1.731 | 6.8 | 87 | 0.00 |
| 50 | | Dimethylphthalate | 1.525 | 1.382 | 9.4 | 86 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 0.317 | 0.301 | 5.0 | 87 | 0.00 |
| 52 | C | Acenaphthene | 1.141 | 1.041 | 8.8 | 86 | 0.00 |
| 53 | | 3-Nitroaniline | 0.359 | 0.336 | 6.4 | 84 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 0.142 | 0.129 | 9.2 | 79 | 0.00 |
| 55 | | Dibenzofuran | 1.792 | 1.635 | 8.8 | 87 | 0.00 |
| 56 | P | 4-Nitrophenol | 0.258 | 0.244 | 5.4 | 82 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 0.426 | 0.404 | 5.2 | 85 | 0.00 |
| 58 | | Fluorene | 1.380 | 1.258 | 8.8 | 87 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.373 | 0.354 | 5.1 | 87 | 0.00 |
| 60 | | Diethylphthalate | 1.496 | 1.355 | 9.4 | 85 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 0.713 | 0.652 | 8.6 | 88 | 0.00 |
| 62 | | 4-Nitroaniline | 0.369 | 0.345 | 6.5 | 85 | 0.00 |
| 63 | | Azobenzene | 0.993 | 0.893 | 10.1 | 84 | 0.00 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 85 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.096 | 0.090 | 6.3 | 81 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 0.585 | 0.545 | 6.8 | 86 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 0.221 | 0.209 | 5.4 | 87 | 0.00 |
| 68 | | Hexachlorobenzene | 0.263 | 0.248 | 5.7 | 88 | 0.00 |
| 69 | | Atrazine | 0.197 | 0.187 | 5.1 | 84 | 0.00 |
| 70 | C | Pentachlorophenol | 0.126 | 0.128 | -1.6 | 85 | 0.00 |
| 71 | | Phenanthrene | 1.084 | 0.987 | 8.9 | 84 | 0.00 |
| 72 | | Anthracene | 1.037 | 0.963 | 7.1 | 85 | 0.00 |
| 73 | | Carbazole | 0.995 | 0.904 | 9.1 | 83 | 0.00 |
| 74 | | Di-n-butylphthalate | 1.170 | 1.091 | 6.8 | 83 | 0.00 |
| 75 | C | Fluoranthene | 1.253 | 1.131 | 9.7 | 83 | 0.00 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 82 | 0.00 |
| 77 | | Benzidine | 0.457 | 0.440 | 3.7 | 72 | 0.00 |
| 78 | | Pyrene | 1.298 | 1.209 | 6.9 | 83 | 0.00 |
| 79 | S | Terphenyl-d14 | 0.909 | 0.893 | 1.8 | 85 | 0.00 |
| 80 | | Butylbenzylphthalate | 0.534 | 0.521 | 2.4 | 82 | 0.00 |
| 81 | | Benzo(a)anthracene | 1.253 | 1.165 | 7.0 | 82 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 0.461 | 0.455 | 1.3 | 83 | 0.00 |
| 83 | | Chrysene | 1.199 | 1.103 | 8.0 | 82 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.772 | 0.729 | 5.6 | 80 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 1.323 | 1.287 | 2.7 | 83 | 0.00 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 88 | 0.00 |
| 87 | | Indeno(1,2,3-cd)pyrene | 1.491 | 1.372 | 8.0 | 91 | -0.01 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(b)fluoranthene | 1.243 | 1.103 | 11.3 | 89 | 0.00 |
| 89 | Benzo(k)fluoranthene | 1.188 | 1.004 | 15.5 | 82 | 0.00 |
| 90 C | Benzo(a)pyrene | 1.153 | 1.021 | 11.4 | 87 | 0.00 |
| 91 | Dibenzo(a,h)anthracene | 1.225 | 1.125 | 8.2 | 91 | -0.01 |
| 92 | Benzo(g,h,i)perylene | 1.230 | 1.130 | 8.1 | 91 | 0.00 |

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