# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG111318\
Data File : BG037982.D
Acq On : 13 Nov 2018 18:00
Operator : JU/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_G
**LabSampleId :** SSTDCCC040

Quant Time: Nov 14 00:10:34 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG111318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 13 16:39:28 2018
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 | 111 | 0.00 |
| 2 | | 1,4-Dioxane | 0.547 | 0.481 | 12.1 | 102 | 0.00 |
| 3 | | Pyridine | 1.561 | 1.434 | 8.1 | 100 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.566 | 0.520 | 8.1 | 100 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.158 | 1.059 | 8.5 | 101 | 0.00 |
| 6 | | Aniline | 2.134 | 1.960 | 8.2 | 101 | 0.00 |
| 7 | S | Phenol-d6 | 1.654 | 1.532 | 7.4 | 101 | 0.00 |
| 8 | | 2-Chlorophenol | 1.344 | 1.226 | 8.8 | 100 | 0.00 |
| 9 | | Benzaldehyde | 1.196 | 1.070 | 10.5 | 99 | 0.00 |
| 10 | C | Phenol | 1.751 | 1.615 | 7.8 | 100 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.430 | 1.326 | 7.3 | 102 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.548 | 1.391 | 10.1 | 100 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.564 | 1.402 | 10.4 | 99 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.493 | 1.325 | 11.3 | 99 | 0.00 |
| 15 | | Benzyl Alcohol | 1.196 | 1.167 | 2.4 | 103 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 2.655 | 2.440 | 8.1 | 102 | 0.00 |
| 17 | | 2-Methylphenol | 1.184 | 1.091 | 7.9 | 100 | 0.00 |
| 18 | | Hexachloroethane | 0.569 | 0.516 | 9.3 | 101 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.196 | 1.085 | 9.3 | 99 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.679 | 1.553 | 7.5 | 101 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 113 | 0.00 |
| 22 | | Acetophenone | 0.498 | 0.444 | 10.8 | 100 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.374 | 0.337 | 9.9 | 101 | 0.00 |
| 24 | | Nitrobenzene | 0.382 | 0.347 | 9.2 | 103 | 0.00 |
| 25 | | Isophorone | 0.672 | 0.613 | 8.8 | 102 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.191 | 0.176 | 7.9 | 100 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.287 | 0.263 | 8.4 | 101 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.430 | 0.394 | 8.4 | 102 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.323 | 0.293 | 9.3 | 99 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.362 | 0.326 | 9.9 | 101 | 0.00 |
| 31 | | Naphthalene | 0.984 | 0.872 | 11.4 | 100 | 0.00 |
| 32 | | Benzoic acid | 0.148 | 0.132 | 10.8 | 94 | 0.00 |
| 33 | | 4-Chloroaniline | 0.458 | 0.406 | 11.4 | 100 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.223 | 0.200 | 10.3 | 100 | 0.00 |
| 35 | | Caprolactam | 0.129 | 0.117 | 9.3 | 99 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.353 | 0.323 | 8.5 | 100 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.707 | 0.629 | 11.0 | 101 | 0.00 |
| 38 | | 1-Methylnaphthalene | 0.680 | 0.609 | 10.4 | 102 | 0.00 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 111 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.668 | 0.611 | 8.5 | 101 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 0.358 | 0.325 | 9.2 | 97 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 0.228 | 0.209 | 8.3 | 100 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 0.455 | 0.417 | 8.4 | 100 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 0.479 | 0.442 | 7.7 | 101 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | S | 2-Fluorobiphenyl | 1.373 | 1.232 | 10.3 | 101 | 0.00 |
| 46 | | 1,1'-Biphenyl | 1.680 | 1.522 | 9.4 | 101 | 0.00 |
| 47 | | 2-Chloronaphthalene | 1.282 | 1.155 | 9.9 | 101 | 0.00 |
| 48 | | 2-Nitroaniline | 0.404 | 0.376 | 6.9 | 100 | 0.00 |
| 49 | | Acenaphthylene | 1.928 | 1.748 | 9.3 | 101 | 0.00 |
| 50 | | Dimethylphthalate | 1.586 | 1.438 | 9.3 | 101 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 0.359 | 0.334 | 7.0 | 102 | 0.00 |
| 52 | C | Acenaphthene | 1.161 | 1.059 | 8.8 | 100 | 0.00 |
| 53 | | 3-Nitroaniline | 0.396 | 0.369 | 6.8 | 102 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 0.151 | 0.146 | 3.3 | 98 | 0.00 |
| 55 | | Dibenzofuran | 1.919 | 1.731 | 9.8 | 101 | 0.00 |
| 56 | P | 4-Nitrophenol | 0.305 | 0.289 | 5.2 | 102 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 0.488 | 0.458 | 6.1 | 101 | 0.00 |
| 58 | | Fluorene | 1.432 | 1.291 | 9.8 | 101 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.401 | 0.377 | 6.0 | 100 | 0.00 |
| 60 | | Diethylphthalate | 1.684 | 1.498 | 11.0 | 100 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 0.838 | 0.755 | 9.9 | 100 | 0.00 |
| 62 | | 4-Nitroaniline | 0.393 | 0.368 | 6.4 | 100 | 0.00 |
| 63 | | Azobenzene | 1.506 | 1.373 | 8.8 | 102 | 0.00 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 112 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.127 | 0.117 | 7.9 | 99 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 0.605 | 0.553 | 8.6 | 101 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 0.220 | 0.202 | 8.2 | 101 | 0.00 |
| 68 | | Hexachlorobenzene | 0.227 | 0.205 | 9.7 | 101 | 0.00 |
| 69 | | Atrazine | 0.223 | 0.206 | 7.6 | 101 | 0.00 |
| 70 | C | Pentachlorophenol | 0.154 | 0.144 | 6.5 | 99 | 0.00 |
| 71 | | Phenanthrene | 1.024 | 0.915 | 10.6 | 100 | 0.00 |
| 72 | | Anthracene | 1.009 | 0.912 | 9.6 | 101 | 0.00 |
| 73 | | Carbazole | 1.013 | 0.929 | 8.3 | 101 | 0.00 |
| 74 | | Di-n-butylphthalate | 1.137 | 1.052 | 7.5 | 101 | 0.00 |
| 75 | C | Fluoranthene | 1.168 | 1.062 | 9.1 | 101 | 0.00 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 113 | 0.00 |
| 77 | | Benzidine | 0.702 | 0.567 | 19.2 | 82 | 0.00 |
| 78 | | Pyrene | 1.308 | 1.182 | 9.6 | 100 | 0.00 |
| 79 | S | Terphenyl-d14 | 0.850 | 0.773 | 9.1 | 101 | 0.00 |
| 80 | | Butylbenzylphthalate | 0.572 | 0.534 | 6.6 | 101 | 0.00 |
| 81 | | Benzo(a)anthracene | 1.209 | 1.094 | 9.5 | 101 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 0.471 | 0.440 | 6.6 | 99 | 0.00 |
| 83 | | Chrysene | 1.156 | 1.047 | 9.4 | 101 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.816 | 0.749 | 8.2 | 101 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 1.319 | 1.244 | 5.7 | 101 | 0.00 |
| 86 | | Indeno(1,2,3-cd)pyrene | 1.284 | 1.206 | 6.1 | 102 | 0.00 |
| 87 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 112 | 0.00 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(b)fluoranthene | 1.101 | 1.023 | 7.1 | 102 | 0.00 |
| 89 | Benzo(k)fluoranthene | 1.086 | 0.993 | 8.6 | 102 | 0.00 |
| 90 C | Benzo(a)pyrene | 1.052 | 0.982 | 6.7 | 102 | 0.00 |
| 91 | Dibenzo(a,h)anthracene | 1.012 | 0.938 | 7.3 | 102 | 0.00 |
| 92 | Benzo(g,h,i)perylene | 1.006 | 0.938 | 6.8 | 102 | 0.00 |

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