# Evaluate Continuing Calibration Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA G\DATA\BG091317\
Data File : BG028727.D
Acq On : 14 Sep 2017 11:21
Operator : SJ/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Sep 14 12:01:59 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG091217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 12 16:57:11 2017
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 | 76 | 0.00 |
| 2 | | 1,4-Dioxane | 0.491 | 0.456 | 7.1 | 72 | 0.00 |
| 3 | | Pyridine | 1.400 | 1.372 | 2.0 | 72 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.637 | 0.593 | 6.9 | 68 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.212 | 1.159 | 4.4 | 69 | 0.00 |
| 6 | | Aniline | 2.124 | 2.126 | -0.1 | 72 | 0.00 |
| 7 | S | Phenol-d6 | 1.825 | 1.775 | 2.7 | 72 | 0.00 |
| 8 | | 2-Chlorophenol | 1.351 | 1.294 | 4.2 | 70 | 0.00 |
| 9 | | Benzaldehyde | 1.132 | 1.085 | 4.2 | 71 | 0.00 |
| 10 | C | Phenol | 1.926 | 1.893 | 1.7 | 72 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.383 | 1.319 | 4.6 | 72 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.455 | 1.442 | 0.9 | 74 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.496 | 1.425 | 4.7 | 69 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.478 | 1.361 | 7.9 | 69 | 0.00 |
| 15 | | Benzyl Alcohol | 1.425 | 1.395 | 2.1 | 71 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 2.513 | 2.323 | 7.6 | 69 | 0.00 |
| 17 | | 2-Methylphenol | 1.259 | 1.206 | 4.2 | 71 | 0.00 |
| 18 | | Hexachloroethane | 0.548 | 0.520 | 5.1 | 69 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.294 | 1.326 | -2.5 | 75 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.760 | 1.751 | 0.5 | 73 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 74 | 0.00 |
| 22 | | Acetophenone | 0.585 | 0.580 | 0.9 | 74 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.418 | 0.416 | 0.5 | 75 | 0.00 |
| 24 | | Nitrobenzene | 0.463 | 0.450 | 2.8 | 74 | 0.00 |
| 25 | | Isophorone | 0.846 | 0.858 | -1.4 | 77 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.197 | 0.193 | 2.0 | 74 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.360 | 0.361 | -0.3 | 74 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.459 | 0.453 | 1.3 | 74 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.358 | 0.369 | -3.1 | 77 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.409 | 0.394 | 3.7 | 73 | 0.00 |
| 31 | | Naphthalene | 1.045 | 1.044 | 0.1 | 75 | 0.00 |
| 32 | | Benzoic acid | 0.234 | 0.229 | 2.1 | 71 | -0.02 |
| 33 | | 4-Chloroaniline | 0.438 | 0.462 | -5.5 | 80 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.301 | 0.281 | 6.6 | 72 | 0.00 |
| 35 | | Caprolactam | 0.129 | 0.159 | -23.3 | 92 | -0.01 |
| 36 | C | 4-Chloro-3-methylphenol | 0.466 | 0.515 | -10.5 | 85 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.780 | 0.802 | -2.8 | 78 | 0.00 |
| 38 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 90 | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 0.822 | 0.758 | 7.8 | 80 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 0.264 | 0.178 | 32.6# | 56 | 0.00 |
| 41 | S | 2,4,6-Tribromophenol | 0.331 | 0.373 | -12.7 | 101 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 0.522 | 0.500 | 4.2 | 85 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 0.524 | 0.518 | 1.1 | 87 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 1.500 | 1.392 | 7.2 | 81 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 1.656 | 1.569 | 5.3 | 83 | 0.00 |
| 46 | | 2-Chloronaphthalene | 1.208 | 1.147 | 5.0 | 83 | 0.00 |
| 47 | | 2-Nitroaniline | 0.449 | 0.470 | -4.7 | 90 | 0.00 |
| 48 | | Acenaphthylene | 1.930 | 1.927 | 0.2 | 88 | 0.00 |
| 49 | | Dimethylphthalate | 1.677 | 1.770 | -5.5 | 94 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 0.373 | 0.396 | -6.2 | 92 | 0.00 |
| 51 | C | Acenaphthene | 1.172 | 1.161 | 0.9 | 88 | 0.00 |
| 52 | | 3-Nitroaniline | 0.330 | 0.372 | -12.7 | 98 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 0.159 | 0.104 | 34.6# | 54 | 0.00 |
| 54 | | Dibenzofuran | 1.869 | 1.914 | -2.4 | 90 | 0.00 |
| 55 | P | 4-Nitrophenol | 0.242 | 0.226 | 6.6 | 78 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 0.525 | 0.588 | -12.0 | 96 | 0.00 |
| 57 | | Fluorene | 1.669 | 1.791 | -7.3 | 94 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 0.462 | 0.492 | -6.5 | 94 | 0.00 |
| 59 | | Diethylphthalate | 1.723 | 1.875 | -8.8 | 99 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 0.950 | 1.003 | -5.6 | 95 | 0.00 |
| 61 | | 4-Nitroaniline | 0.350 | 0.392 | -12.0 | 94 | 0.00 |
| 62 | | Azobenzene | 1.450 | 1.583 | -9.2 | 98 | 0.00 |
| 63 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 101 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.129 | 0.106 | 17.8 | 80 | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 0.573 | 0.553 | 3.5 | 98 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 0.257 | 0.252 | 1.9 | 99 | 0.00 |
| 67 | | Hexachlorobenzene | 0.293 | 0.283 | 3.4 | 99 | 0.00 |
| 68 | | Atrazine | 0.246 | 0.248 | -0.8 | 100 | 0.00 |
| 69 | C | Pentachlorophenol | 0.132 | 0.120 | 9.1 | 88 | 0.00 |
| 70 | | Phenanthrene | 1.023 | 1.025 | -0.2 | 102 | 0.00 |
| 71 | | Anthracene | 1.033 | 1.030 | 0.3 | 100 | 0.00 |
| 72 | | Carbazole | 0.930 | 0.938 | -0.9 | 99 | 0.00 |
| 73 | | Di-n-butylphthalate | 1.141 | 1.143 | -0.2 | 100 | 0.00 |
| 74 | C | Fluoranthene | 1.249 | 1.255 | -0.5 | 99 | 0.00 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 76 | | Benzidine | 0.519 | 0.478 | 7.9 | 88 | 0.00 |
| 77 | | Pyrene | 1.154 | 1.131 | 2.0 | 100 | 0.00 |
| 78 | S | Terphenyl-d14 | 0.938 | 0.928 | 1.1 | 99 | 0.00 |
| 79 | | Butylbenzylphthalate | 0.466 | 0.451 | 3.2 | 98 | 0.00 |
| 80 | | Benzo(a)anthracene | 1.204 | 1.184 | 1.7 | 99 | 0.00 |
| 81 | | 3,3'-Dichlorobenzidine | 0.488 | 0.464 | 4.9 | 94 | 0.00 |
| 82 | | Chrysene | 1.142 | 1.133 | 0.8 | 99 | 0.00 |
| 83 | | Bis(2-ethylhexyl)phthalate | 0.662 | 0.644 | 2.7 | 96 | 0.00 |
| 84 | c | Di-n-octyl phthalate | 1.157 | 1.137 | 1.7 | 97 | 0.00 |
| 85 | | Indeno(1,2,3-cd)pyrene | 1.468 | 1.429 | 2.7 | 98 | -0.01 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 102 | 0.00 |
| 87 | | Benzo(b)fluoranthene | 1.198 | 1.166 | 2.7 | 99 | 0.00 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 1.197 | 1.179 | 1.5 | 100 | 0.00 |
| 89 C | Benzo(a)pyrene | 1.137 | 1.121 | 1.4 | 100 | 0.00 |
| 90 | Dibenzo(a,h)anthracene | 1.186 | 1.156 | 2.5 | 98 | -0.02 |
| 91 | Benzo(g,h,i)perylene | 1.157 | 1.129 | 2.4 | 100 | 0.00 |

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