# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG071918\
Data File : BG035774.D
Acq On : 20 Jul 2018 7:50
Operator : JU/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jul 20 10:00:55 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 18 17:45:13 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 | 135 | -0.01 |
| 2 | | 1,4-Dioxane | 0.613 | 0.556 | 9.3 | 132 | 0.00 |
| 3 | | Pyridine | 1.601 | 1.515 | 5.4 | 123 | -0.01 |
| 4 | | n-Nitrosodimethylamine | 0.687 | 0.583 | 15.1 | 116 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.205 | 1.184 | 1.7 | 131 | 0.00 |
| 6 | | Aniline | 2.330 | 2.091 | 10.3 | 121 | 0.00 |
| 7 | S | Phenol-d6 | 1.797 | 1.697 | 5.6 | 126 | 0.00 |
| 8 | | 2-Chlorophenol | 1.225 | 1.213 | 1.0 | 133 | 0.00 |
| 9 | | Benzaldehyde | 1.103 | 0.954 | 13.5 | 114 | 0.00 |
| 10 | C | Phenol | 1.816 | 1.743 | 4.0 | 127 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.422 | 1.333 | 6.3 | 126 | -0.01 |
| 12 | | 1,3-Dichlorobenzene | 1.480 | 1.494 | -0.9 | 138 | -0.01 |
| 13 | C | 1,4-Dichlorobenzene | 1.503 | 1.529 | -1.7 | 138 | -0.01 |
| 14 | | 1,2-Dichlorobenzene | 1.444 | 1.398 | 3.2 | 132 | 0.00 |
| 15 | | Benzyl Alcohol | 1.632 | 1.481 | 9.3 | 122 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.192 | 1.244 | -4.4 | 141 | -0.01 |
| 17 | | 2-Methylphenol | 1.235 | 1.149 | 7.0 | 123 | 0.00 |
| 18 | | Hexachloroethane | 0.575 | 0.565 | 1.7 | 136 | -0.01 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.513 | 1.300 | 14.1 | 118 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.713 | 1.633 | 4.7 | 123 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 123 | 0.00 |
| 22 | | Acetophenone | 0.622 | 0.587 | 5.6 | 121 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.479 | 0.453 | 5.4 | 118 | 0.00 |
| 24 | | Nitrobenzene | 0.481 | 0.447 | 7.1 | 118 | 0.00 |
| 25 | | Isophorone | 0.889 | 0.812 | 8.7 | 115 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.171 | 0.190 | -11.1 | 136 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.289 | 0.278 | 3.8 | 119 | -0.01 |
| 28 | | bis(2-Chloroethoxy)methane | 0.490 | 0.459 | 6.3 | 118 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.330 | 0.347 | -5.2 | 127 | -0.01 |
| 30 | | 1,2,4-Trichlorobenzene | 0.405 | 0.417 | -3.0 | 131 | 0.00 |
| 31 | | Naphthalene | 1.042 | 1.015 | 2.6 | 127 | 0.00 |
| 32 | | Benzoic acid | 0.195 | 0.178 | 8.7 | 114 | 0.01 |
| 33 | | 4-Chloroaniline | 0.454 | 0.418 | 7.9 | 118 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.316 | 0.318 | -0.6 | 128 | 0.00 |
| 35 | | Caprolactam | 0.142 | 0.126 | 11.3 | 117 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.443 | 0.419 | 5.4 | 117 | -0.01 |
| 37 | | 2-Methylnaphthalene | 0.776 | 0.753 | 3.0 | 123 | -0.01 |
| 38 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 118 | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 0.755 | 0.750 | 0.7 | 126 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 0.396 | 0.403 | -1.8 | 124 | -0.01 |
| 41 | S | 2,4,6-Tribromophenol | 0.264 | 0.265 | -0.4 | 124 | -0.01 |
| 42 | C | 2,4,6-Trichlorophenol | 0.441 | 0.462 | -4.8 | 124 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 0.494 | 0.491 | 0.6 | 126 | -0.01 |
| 44 | S | 2-Fluorobiphenyl | 1.493 | 1.450 | 2.9 | 123 | -0.01 |

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|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 1.551 | 1.537 | 0.9 | 123 | -0.01 |
| 46 | | 2-Chloronaphthalene | 1.206 | 1.189 | 1.4 | 125 | 0.00 |
| 47 | | 2-Nitroaniline | 0.426 | 0.405 | 4.9 | 116 | 0.00 |
| 48 | | Acenaphthylene | 2.020 | 1.943 | 3.8 | 120 | 0.00 |
| 49 | | Dimethylphthalate | 1.752 | 1.675 | 4.4 | 122 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 0.357 | 0.378 | -5.9 | 129 | -0.01 |
| 51 | C | Acenaphthene | 1.259 | 1.207 | 4.1 | 122 | 0.00 |
| 52 | | 3-Nitroaniline | 0.365 | 0.364 | 0.3 | 120 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 0.158 | 0.059 | 62.7# | 46# | -0.04 |
| 54 | | Dibenzofuran | 2.002 | 1.924 | 3.9 | 121 | -0.01 |
| 55 | P | 4-Nitrophenol | 0.260 | 0.241 | 7.3 | 112 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 0.512 | 0.525 | -2.5 | 121 | 0.00 |
| 57 | | Fluorene | 1.678 | 1.596 | 4.9 | 121 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 0.473 | 0.456 | 3.6 | 118 | -0.01 |
| 59 | | Diethylphthalate | 1.802 | 1.671 | 7.3 | 117 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 0.986 | 0.950 | 3.7 | 123 | -0.01 |
| 61 | | 4-Nitroaniline | 0.382 | 0.366 | 4.2 | 115 | 0.00 |
| 62 | | Azobenzene | 1.777 | 1.606 | 9.6 | 114 | 0.00 |
| 63 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 115 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.111 | 0.096 | 13.5 | 102 | -0.01 |
| 65 | c | n-Nitrosodiphenylamine | 0.569 | 0.575 | -1.1 | 120 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 0.232 | 0.241 | -3.9 | 122 | 0.00 |
| 67 | | Hexachlorobenzene | 0.239 | 0.246 | -2.9 | 123 | 0.00 |
| 68 | | Atrazine | 0.234 | 0.229 | 2.1 | 112 | 0.00 |
| 69 | C | Pentachlorophenol | 0.146 | 0.177 | -21.2# | 139 | 0.00 |
| 70 | | Phenanthrene | 0.998 | 0.981 | 1.7 | 118 | -0.01 |
| 71 | | Anthracene | 0.994 | 0.986 | 0.8 | 119 | 0.00 |
| 72 | | Carbazole | 0.944 | 0.914 | 3.2 | 115 | 0.00 |
| 73 | | Di-n-butylphthalate | 1.115 | 1.090 | 2.2 | 116 | -0.01 |
| 74 | C | Fluoranthene | 1.344 | 1.279 | 4.8 | 113 | 0.00 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 113 | -0.01 |
| 76 | | Benzidine | 0.526 | 0.444 | 15.6 | 104 | -0.01 |
| 77 | | Pyrene | 1.265 | 1.220 | 3.6 | 115 | 0.00 |
| 78 | S | Terphenyl-d14 | 0.907 | 0.867 | 4.4 | 114 | -0.01 |
| 79 | | Butylbenzylphthalate | 0.452 | 0.462 | -2.2 | 117 | -0.01 |
| 80 | | Benzo(a)anthracene | 1.246 | 1.198 | 3.9 | 115 | -0.01 |
| 81 | | 3,3'-Dichlorobenzidine | 0.435 | 0.454 | -4.4 | 121 | -0.01 |
| 82 | | Chrysene | 1.155 | 1.129 | 2.3 | 117 | -0.01 |
| 83 | | Bis(2-ethylhexyl)phthalate | 0.615 | 0.649 | -5.5 | 121 | -0.01 |
| 84 | c | Di-n-octyl phthalate | 1.029 | 1.108 | -7.7 | 123 | -0.01 |
| 85 | | Indeno(1,2,3-cd)pyrene | 1.279 | 1.320 | -3.2 | 121 | -0.04 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 119 | -0.02 |
| 87 | | Benzo(b)fluoranthene | 1.216 | 1.162 | 4.4 | 119 | -0.02 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 1.188 | 1.159 | 2.4 | 118 | -0.02 |
| 89 C | Benzo(a)pyrene | 1.131 | 1.117 | 1.2 | 120 | -0.02 |
| 90 | Dibenzo(a,h)anthracene | 1.110 | 1.102 | 0.7 | 120 | -0.04 |
| 91 | Benzo(g,h,i)perylene | 1.086 | 1.087 | -0.1 | 121 | -0.04 |

(#) = Out of Range SPCC's out = 0 CCC's out = 1