# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA F\Data\BF021318\
Data File : BF102952.D
Acq On : 13 Feb 2018 10:46
Operator : SJ/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_F
**LabSampleId :** SSTDCCC040

Quant Time: Feb 14 00:02:53 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 05 00:38:27 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 | 118 | 0.00 |
| 2 | | 1,4-Dioxane | 0.650 | 0.669 | -2.9 | 118 | 0.00 |
| 3 | | Pyridine | 1.797 | 1.891 | -5.2 | 119 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.769 | 0.794 | -3.3 | 118 | 0.02 |
| 5 | S | 2-Fluorophenol | 1.317 | 1.246 | 5.4 | 111 | 0.00 |
| 6 | | Aniline | 2.342 | 2.297 | 1.9 | 115 | 0.00 |
| 7 | S | Phenol-d6 | 1.586 | 1.529 | 3.6 | 114 | 0.00 |
| 8 | | 2-Chlorophenol | 1.356 | 1.317 | 2.9 | 114 | 0.00 |
| 9 | | Benzaldehyde | 1.178 | 0.990 | 16.0 | 99 | 0.00 |
| 10 | C | Phenol | 1.699 | 1.781 | -4.8 | 125 | 0.01 |
| 11 | | bis(2-Chloroethyl)ether | 1.414 | 1.373 | 2.9 | 115 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.570 | 1.470 | 6.4 | 111 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.564 | 1.465 | 6.3 | 112 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.457 | 1.329 | 8.8 | 108 | 0.00 |
| 15 | | Benzyl Alcohol | 1.219 | 1.202 | 1.4 | 113 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 2.686 | 2.456 | 8.6 | 106 | 0.00 |
| 17 | | 2-Methylphenol | 1.251 | 1.226 | 2.0 | 116 | 0.00 |
| 18 | | Hexachloroethane | 0.536 | 0.550 | -2.6 | 117 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.045 | 0.987 | 5.6 | 114 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.542 | 1.402 | 9.1 | 105 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 116 | 0.00 |
| 22 | | Acetophenone | 0.489 | 0.431 | 11.9 | 105 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.288 | 0.335 | -16.3 | 130 | 0.00 |
| 24 | | Nitrobenzene | 0.319 | 0.368 | -15.4 | 123 | 0.00 |
| 25 | | Isophorone | 0.664 | 0.667 | -0.5 | 119 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.121 | 0.181 | -49.6# | 171# | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.280 | 0.274 | 2.1 | 113 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.393 | 0.389 | 1.0 | 116 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.255 | 0.257 | -0.8 | 114 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.288 | 0.272 | 5.6 | 112 | 0.00 |
| 31 | | Naphthalene | 0.977 | 0.906 | 7.3 | 109 | 0.00 |
| 32 | | Benzoic acid | 0.173 | 0.245 | -41.6# | 164# | 0.04 |
| 33 | | 4-Chloroaniline | 0.421 | 0.406 | 3.6 | 113 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.148 | 0.140 | 5.4 | 111 | 0.00 |
| 35 | | Caprolactam | 0.089 | 0.092 | -3.4 | 117 | 0.01 |
| 36 | C | 4-Chloro-3-methylphenol | 0.286 | 0.285 | 0.3 | 114 | 0.01 |
| 37 | | 2-Methylnaphthalene | 0.640 | 0.588 | 8.1 | 109 | 0.00 |
| 38 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 115 | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 0.545 | 0.515 | 5.5 | 110 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 0.259 | 0.253 | 2.3 | 104 | 0.00 |
| 41 | S | 2,4,6-Tribromophenol | 0.161 | 0.170 | -5.6 | 115 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 0.358 | 0.366 | -2.2 | 113 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 0.403 | 0.421 | -4.5 | 113 | 0.01 |
| 44 | S | 2-Fluorobiphenyl | 1.205 | 1.093 | 9.3 | 104 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 1.685 | 1.536 | 8.8 | 107 | 0.00 |
| 46 | | 2-Chloronaphthalene | 1.326 | 1.239 | 6.6 | 109 | 0.00 |
| 47 | | 2-Nitroaniline | 0.338 | 0.488 | -44.4# | 141 | 0.00 |
| 48 | | Acenaphthylene | 2.060 | 1.885 | 8.5 | 107 | 0.00 |
| 49 | | Dimethylphthalate | 1.559 | 1.499 | 3.8 | 113 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 0.297 | 0.329 | -10.8 | 122 | 0.00 |
| 51 | C | Acenaphthene | 1.232 | 1.116 | 9.4 | 107 | 0.00 |
| 52 | | 3-Nitroaniline | 0.365 | 0.404 | -10.7 | 123 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 0.063 | 0.129 | -104.8# | 265# | 0.01 |
| 54 | | Dibenzofuran | 1.736 | 1.576 | 9.2 | 107 | 0.00 |
| 55 | P | 4-Nitrophenol | 0.269 | 0.287 | -6.7 | 119 | 0.02 |
| 56 | | 2,4-Dinitrotoluene | 0.327 | 0.432 | -32.1# | 128 | 0.00 |
| 57 | | Fluorene | 1.263 | 1.187 | 6.0 | 108 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 0.279 | 0.284 | -1.8 | 112 | 0.00 |
| 59 | | Diethylphthalate | 1.540 | 1.435 | 6.8 | 109 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 0.559 | 0.533 | 4.7 | 110 | 0.00 |
| 61 | | 4-Nitroaniline | 0.347 | 0.400 | -15.3 | 130 | 0.01 |
| 62 | | Azobenzene | 1.538 | 1.447 | 5.9 | 110 | 0.00 |
| 63 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 115 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.072 | 0.126 | -75.0# | 201# | 0.01 |
| 65 | c | n-Nitrosodiphenylamine | 0.705 | 0.664 | 5.8 | 109 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 0.212 | 0.200 | 5.7 | 109 | 0.00 |
| 67 | | Hexachlorobenzene | 0.233 | 0.221 | 5.2 | 110 | 0.00 |
| 68 | | Atrazine | 0.208 | 0.199 | 4.3 | 108 | 0.00 |
| 69 | C | Pentachlorophenol | 0.137 | 0.131 | 4.4 | 105 | 0.00 |
| 70 | | Phenanthrene | 1.114 | 0.996 | 10.6 | 105 | 0.00 |
| 71 | | Anthracene | 1.133 | 1.020 | 10.0 | 106 | 0.00 |
| 72 | | Carbazole | 1.110 | 1.006 | 9.4 | 106 | 0.00 |
| 73 | | Di-n-butylphthalate | 1.348 | 1.297 | 3.8 | 110 | 0.00 |
| 74 | C | Fluoranthene | 1.121 | 0.999 | 10.9 | 105 | 0.00 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 112 | 0.00 |
| 76 | | Benzidine | 0.919 | 1.002 | -9.0 | 113 | 0.00 |
| 77 | | Pyrene | 1.568 | 1.478 | 5.7 | 105 | 0.00 |
| 78 | S | Terphenyl-d14 | 0.845 | 0.759 | 10.2 | 103 | 0.00 |
| 79 | | Butylbenzylphthalate | 0.687 | 0.802 | -16.7 | 119 | 0.00 |
| 80 | | Benzo(a)anthracene | 1.258 | 1.245 | 1.0 | 112 | 0.00 |
| 81 | | 3,3'-Dichlorobenzidine | 0.466 | 0.481 | -3.2 | 110 | 0.00 |
| 82 | | Chrysene | 1.268 | 1.179 | 7.0 | 106 | 0.00 |
| 83 | | Bis(2-ethylhexyl)phthalate | 0.961 | 1.095 | -13.9 | 124 | 0.00 |
| 84 | c | Di-n-octyl phthalate | 1.443 | 1.745 | -20.9# | 130 | 0.00 |
| 85 | | Indeno(1,2,3-cd)pyrene | 1.052 | 1.062 | -1.0 | 122 | 0.02 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 124 | 0.01 |
| 87 | | Benzo(b)fluoranthene | 1.297 | 1.208 | 6.9 | 113 | 0.00 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 1.239 | 1.172 | 5.4 | 115 | 0.00 |
| 89 C | Benzo(a)pyrene | 1.167 | 1.100 | 5.7 | 115 | 0.01 |
| 90 | Dibenzo(a,h)anthracene | 0.947 | 0.924 | 2.4 | 122 | 0.02 |
| 91 | Benzo(g,h,i)perylene | 0.927 | 0.906 | 2.3 | 123 | 0.03 |

(#) = Out of Range SPCC's out = 0 CCC's out = 2