# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG072716\
Data File : BG023295.D
Acq On : 27 Jul 2016 23:01
Operator : UM/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jul 28 03:20:11 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG072616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 27 17:30:33 2016
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 | 130 | 0.00 |
| 2 | | 1,4-Dioxane | 0.502 | 0.561 | -11.8 | 145 | 0.00 |
| 3 | | Pyridine | 1.759 | 1.633 | 7.2 | 97 | -0.02 |
| 4 | | n-Nitrosodimethylamine | 0.795 | 0.665 | 16.4 | 86 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.172 | 1.313 | -12.0 | 143 | 0.00 |
| 6 | | Aniline | 2.402 | 2.354 | 2.0 | 128 | 0.00 |
| 7 | S | Phenol-d6 | 1.799 | 1.894 | -5.3 | 132 | 0.00 |
| 8 | | 2-Chlorophenol | 1.307 | 1.418 | -8.5 | 140 | 0.00 |
| 9 | | Benzaldehyde | 1.292 | 1.144 | 11.5 | 114 | 0.00 |
| 10 | C | Phenol | 1.898 | 1.968 | -3.7 | 132 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.613 | 1.634 | -1.3 | 131 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.473 | 1.626 | -10.4 | 145 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.503 | 1.626 | -8.2 | 140 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.450 | 1.553 | -7.1 | 139 | 0.00 |
| 15 | | Benzyl Alcohol | 1.210 | 1.018 | 15.9 | 104 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 2.567 | 2.407 | 6.2 | 135 | 0.00 |
| 17 | | 2-Methylphenol | 1.297 | 1.341 | -3.4 | 137 | 0.00 |
| 18 | | Hexachloroethane | 0.626 | 0.629 | -0.5 | 130 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.618 | 1.483 | 8.3 | 115 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.764 | 1.882 | -6.7 | 136 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 122 | 0.00 |
| 22 | | Acetophenone | 0.522 | 0.528 | -1.1 | 119 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.409 | 0.395 | 3.4 | 115 | 0.00 |
| 24 | | Nitrobenzene | 0.475 | 0.468 | 1.5 | 120 | 0.00 |
| 25 | | Isophorone | 0.845 | 0.837 | 0.9 | 117 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.179 | 0.199 | -11.2 | 131 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.302 | 0.336 | -11.3 | 136 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.474 | 0.462 | 2.5 | 121 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.293 | 0.321 | -9.6 | 128 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.323 | 0.354 | -9.6 | 129 | 0.00 |
| 31 | | Naphthalene | 0.929 | 1.003 | -8.0 | 132 | 0.00 |
| 32 | | Benzoic acid | 0.215 | 0.214 | 0.5 | 124 | 0.00 |
| 33 | | 4-Chloroaniline | 0.429 | 0.444 | -3.5 | 129 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.212 | 0.218 | -2.8 | 112 | 0.00 |
| 35 | | Caprolactam | 0.124 | 0.129 | -4.0 | 129 | 0.03 |
| 36 | C | 4-Chloro-3-methylphenol | 0.385 | 0.394 | -2.3 | 119 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.689 | 0.733 | -6.4 | 128 | 0.00 |
| 38 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 108 | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 0.648 | 0.727 | -12.2 | 119 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 0.307 | 0.352 | -14.7 | 108 | 0.00 |
| 41 | S | 2,4,6-Tribromophenol | 0.207 | 0.264 | -27.5# | 123 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 0.380 | 0.438 | -15.3 | 118 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 0.403 | 0.465 | -15.4 | 119 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 1.069 | 1.168 | -9.3 | 117 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 1.395 | 1.543 | -10.6 | 122 | 0.00 |
| 46 | | 2-Chloronaphthalene | 1.118 | 1.223 | -9.4 | 119 | 0.00 |
| 47 | | 2-Nitroaniline | 0.473 | 0.477 | -0.8 | 109 | 0.00 |
| 48 | | Acenaphthylene | 1.711 | 1.882 | -10.0 | 119 | 0.00 |
| 49 | | Dimethylphthalate | 1.476 | 1.525 | -3.3 | 111 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 0.346 | 0.370 | -6.9 | 116 | 0.00 |
| 51 | C | Acenaphthene | 1.110 | 1.211 | -9.1 | 120 | 0.00 |
| 52 | | 3-Nitroaniline | 0.348 | 0.388 | -11.5 | 125 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 0.202 | 0.225 | -11.4 | 116 | 0.00 |
| 54 | | Dibenzofuran | 1.571 | 1.691 | -7.6 | 116 | 0.00 |
| 55 | P | 4-Nitrophenol | 0.302 | 0.310 | -2.6 | 116 | -0.01 |
| 56 | | 2,4-Dinitrotoluene | 0.487 | 0.526 | -8.0 | 117 | 0.00 |
| 57 | | Fluorene | 1.387 | 1.475 | -6.3 | 115 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 0.342 | 0.385 | -12.6 | 113 | 0.00 |
| 59 | | Diethylphthalate | 1.512 | 1.549 | -2.4 | 110 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 0.751 | 0.783 | -4.3 | 111 | 0.00 |
| 61 | | 4-Nitroaniline | 0.365 | 0.402 | -10.1 | 120 | 0.00 |
| 62 | | Azobenzene | 1.567 | 1.560 | 0.4 | 108 | 0.00 |
| 63 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 105 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.128 | 0.148 | -15.6 | 115 | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 0.534 | 0.590 | -10.5 | 115 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 0.202 | 0.232 | -14.9 | 116 | 0.00 |
| 67 | | Hexachlorobenzene | 0.203 | 0.244 | -20.2 | 123 | 0.00 |
| 68 | | Atrazine | 0.205 | 0.222 | -8.3 | 114 | 0.00 |
| 69 | C | Pentachlorophenol | 0.125 | 0.146 | -16.8 | 116 | 0.00 |
| 70 | | Phenanthrene | 0.875 | 0.990 | -13.1 | 115 | 0.00 |
| 71 | | Anthracene | 0.884 | 1.012 | -14.5 | 115 | 0.00 |
| 72 | | Carbazole | 0.810 | 0.932 | -15.1 | 124 | 0.00 |
| 73 | | Di-n-butylphthalate | 0.903 | 1.044 | -15.6 | 119 | 0.00 |
| 74 | C | Fluoranthene | 0.998 | 1.109 | -11.1 | 124 | 0.00 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 124 | 0.00 |
| 76 | | Benzidine | 0.563 | 0.502 | 10.8 | 109 | 0.00 |
| 77 | | Pyrene | 1.135 | 1.082 | 4.7 | 123 | 0.00 |
| 78 | S | Terphenyl-d14 | 0.615 | 0.605 | 1.6 | 126 | 0.00 |
| 79 | | Butylbenzylphthalate | 0.499 | 0.527 | -5.6 | 134 | 0.00 |
| 80 | | Benzo(a)anthracene | 1.047 | 1.083 | -3.4 | 131 | 0.00 |
| 81 | | 3,3'-Dichlorobenzidine | 0.425 | 0.475 | -11.8 | 136 | 0.00 |
| 82 | | Chrysene | 1.012 | 1.036 | -2.4 | 130 | 0.00 |
| 83 | | Bis(2-ethylhexyl)phthalate | 0.699 | 0.733 | -4.9 | 132 | 0.00 |
| 84 | c | Di-n-octyl phthalate | 1.143 | 1.178 | -3.1 | 127 | 0.00 |
| 85 | | Indeno(1,2,3-cd)pyrene | 1.180 | 1.414 | -19.8 | 146 | 0.01 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 129 | 0.00 |
| 87 | | Benzo(b)fluoranthene | 1.062 | 1.133 | -6.7 | 138 | 0.00 |

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| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 1.062 | 1.071 | -0.8 | 132 | 0.00 |
| 89 C | Benzo(a)pyrene | 1.041 | 1.085 | -4.2 | 135 | 0.00 |
| 90 | Dibenzo(a,h)anthracene | 0.985 | 1.111 | -12.8 | 145 | 0.01 |
| 91 | Benzo(g,h,i)perylene | 1.037 | 1.119 | -7.9 | 122 | 0.00 |

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