# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG062916\
Data File : BG022716.D
Acq On : 30 Jun 2016 5:58
Operator : UM/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jun 30 07:29:17 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG062516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 24 20:14:59 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 | 104 | -0.01 |
| 2 | | 1,4-Dioxane | 0.505 | 0.412 | 18.4 | 83 | -0.02 |
| 3 | | Pyridine | 1.414 | 1.548 | -9.5 | 111 | -0.02 |
| 4 | | n-Nitrosodimethylamine | 0.809 | 0.694 | 14.2 | 87 | -0.01 |
| 5 | S | 2-Fluorophenol | 1.247 | 1.193 | 4.3 | 100 | 0.00 |
| 6 | | Aniline | 2.330 | 2.582 | -10.8 | 113 | 0.00 |
| 7 | S | Phenol-d6 | 1.758 | 1.917 | -9.0 | 113 | 0.02 |
| 8 | | 2-Chlorophenol | 1.292 | 1.325 | -2.6 | 109 | 0.00 |
| 9 | | Benzaldehyde | 0.619 | 0.804 | -29.9# | 133 | 0.00 |
| 10 | C | Phenol | 1.858 | 2.061 | -10.9 | 114 | 0.02 |
| 11 | | bis(2-Chloroethyl)ether | 1.529 | 1.480 | 3.2 | 95 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.572 | 1.480 | 5.9 | 97 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.576 | 1.527 | 3.1 | 103 | -0.01 |
| 14 | | 1,2-Dichlorobenzene | 1.498 | 1.466 | 2.1 | 104 | 0.00 |
| 15 | | Benzyl Alcohol | 1.626 | 1.917 | -17.9 | 114 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.691 | 1.661 | 1.8 | 102 | 0.00 |
| 17 | | 2-Methylphenol | 1.224 | 1.390 | -13.6 | 121 | 0.01 |
| 18 | | Hexachloroethane | 0.652 | 0.619 | 5.1 | 96 | -0.01 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.464 | 1.599 | -9.2 | 113 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.687 | 1.924 | -14.0 | 120 | 0.01 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 117 | 0.00 |
| 22 | | Acetophenone | 0.578 | 0.562 | 2.8 | 112 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.473 | 0.456 | 3.6 | 111 | 0.00 |
| 24 | | Nitrobenzene | 0.522 | 0.497 | 4.8 | 113 | 0.00 |
| 25 | | Isophorone | 0.917 | 0.910 | 0.8 | 117 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.188 | 0.205 | -9.0 | 129 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.359 | 0.341 | 5.0 | 117 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.501 | 0.501 | 0.0 | 120 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.350 | 0.389 | -11.1 | 128 | 0.01 |
| 30 | | 1,2,4-Trichlorobenzene | 0.416 | 0.408 | 1.9 | 116 | 0.00 |
| 31 | | Naphthalene | 1.005 | 0.980 | 2.5 | 115 | 0.00 |
| 32 | | Benzoic acid | 0.216 | 0.280 | -29.6# | 146 | 0.09 |
| 33 | | 4-Chloroaniline | 0.433 | 0.501 | -15.7 | 127 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.323 | 0.314 | 2.8 | 112 | -0.01 |
| 35 | | Caprolactam | 0.110 | 0.139 | -26.4# | 147 | 0.05 |
| 36 | C | 4-Chloro-3-methylphenol | 0.430 | 0.500 | -16.3 | 136 | 0.02 |
| 37 | | 2-Methylnaphthalene | 0.780 | 0.815 | -4.5 | 123 | 0.00 |
| 38 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 140 | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 0.755 | 0.694 | 8.1 | 132 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 0.603 | 0.495 | 17.9 | 112 | -0.01 |
| 41 | S | 2,4,6-Tribromophenol | 0.315 | 0.336 | -6.7 | 149 | 0.01 |
| 42 | C | 2,4,6-Trichlorophenol | 0.484 | 0.500 | -3.3 | 141 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 0.507 | 0.522 | -3.0 | 146 | 0.01 |
| 44 | S | 2-Fluorobiphenyl | 1.261 | 1.180 | 6.4 | 125 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 1.524 | 1.395 | 8.5 | 129 | 0.00 |
| 46 | | 2-Chloronaphthalene | 1.254 | 1.153 | 8.1 | 130 | 0.00 |
| 47 | | 2-Nitroaniline | 0.484 | 0.478 | 1.2 | 136 | 0.01 |
| 48 | | Acenaphthylene | 1.818 | 1.721 | 5.3 | 132 | 0.00 |
| 49 | | Dimethylphthalate | 1.659 | 1.560 | 6.0 | 133 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 0.361 | 0.375 | -3.9 | 144 | 0.01 |
| 51 | C | Acenaphthene | 1.339 | 1.160 | 13.4 | 120 | 0.00 |
| 52 | | 3-Nitroaniline | 0.337 | 0.343 | -1.8 | 141 | 0.01 |
| 53 | P | 2,4-Dinitrophenol | 0.222 | 0.242 | -9.0 | 147 | 0.02 |
| 54 | | Dibenzofuran | 1.940 | 1.818 | 6.3 | 134 | 0.00 |
| 55 | P | 4-Nitrophenol | 0.285 | 0.283 | 0.7 | 141 | 0.04 |
| 56 | | 2,4-Dinitrotoluene | 0.499 | 0.534 | -7.0 | 148 | 0.01 |
| 57 | | Fluorene | 1.548 | 1.501 | 3.0 | 137 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 0.525 | 0.568 | -8.2 | 152# | 0.01 |
| 59 | | Diethylphthalate | 1.706 | 1.605 | 5.9 | 135 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 0.922 | 0.912 | 1.1 | 141 | 0.00 |
| 61 | | 4-Nitroaniline | 0.348 | 0.348 | 0.0 | 139 | 0.03 |
| 62 | | Azobenzene | 1.847 | 1.655 | 10.4 | 125 | 0.00 |
| 63 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 142 | 0.01 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.134 | 0.145 | -8.2 | 144 | 0.02 |
| 65 | c | n-Nitrosodiphenylamine | 0.582 | 0.580 | 0.3 | 139 | 0.01 |
| 66 | | 4-Bromophenyl-phenylether | 0.259 | 0.258 | 0.4 | 141 | 0.00 |
| 67 | | Hexachlorobenzene | 0.274 | 0.279 | -1.8 | 146 | 0.00 |
| 68 | | Atrazine | 0.246 | 0.241 | 2.0 | 138 | 0.02 |
| 69 | C | Pentachlorophenol | 0.189 | 0.184 | 2.6 | 137 | 0.02 |
| 70 | | Phenanthrene | 1.020 | 0.957 | 6.2 | 133 | 0.01 |
| 71 | | Anthracene | 1.050 | 0.970 | 7.6 | 130 | 0.01 |
| 72 | | Carbazole | 0.890 | 0.828 | 7.0 | 130 | 0.02 |
| 73 | | Di-n-butylphthalate | 1.036 | 0.951 | 8.2 | 123 | 0.00 |
| 74 | C | Fluoranthene | 1.175 | 1.077 | 8.3 | 125 | 0.01 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 139 | 0.02 |
| 76 | | Benzidine | 0.213 | 0.267 | -25.4# | 178# | -0.02 |
| 77 | | Pyrene | 1.065 | 1.003 | 5.8 | 123 | 0.01 |
| 78 | S | Terphenyl-d14 | 0.755 | 0.612 | 18.9 | 119 | 0.00 |
| 79 | | Butylbenzylphthalate | 0.461 | 0.437 | 5.2 | 126 | 0.00 |
| 80 | | Benzo(a)anthracene | 1.107 | 1.087 | 1.8 | 130 | 0.01 |
| 81 | | 3,3'-Dichlorobenzidine | 0.457 | 0.429 | 6.1 | 126 | 0.01 |
| 82 | | Chrysene | 1.040 | 1.012 | 2.7 | 129 | 0.02 |
| 83 | | Bis(2-ethylhexyl)phthalate | 0.649 | 0.551 | 15.1 | 116 | 0.00 |
| 84 | c | Di-n-octyl phthalate | 1.070 | 0.949 | 11.3 | 121 | 0.00 |
| 85 | | Indeno(1,2,3-cd)pyrene | 1.367 | 1.286 | 5.9 | 130 | 0.04 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 134 | 0.02 |
| 87 | | Benzo(b)fluoranthene | 1.203 | 1.140 | 5.2 | 126 | 0.02 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 1.137 | 1.118 | 1.7 | 132 | 0.02 |
| 89 C | Benzo(a)pyrene | 1.172 | 1.121 | 4.4 | 128 | 0.02 |
| 90 | Dibenzo(a,h)anthracene | 1.104 | 1.070 | 3.1 | 133 | 0.03 |
| 91 | Benzo(g,h,i)perylene | 1.123 | 1.003 | 10.7 | 123 | 0.04 |

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