Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122216\
Data File : BG025392.D
Acq On : 22 Dec 2016 17:01
Operator : UM/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Dec 23 00:17:24 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 21 18:42:01 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 | 114 | 0.00 |
| 2 | | 1,4-Dioxane | 0.469 | 0.482 | -2.8 | 117 | 0.00 |
| 3 | | Pyridine | 1.361 | 1.508 | -10.8 | 116 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.808 | 0.864 | -6.9 | 112 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.100 | 1.172 | -6.5 | 118 | 0.00 |
| 6 | | Aniline | 2.100 | 2.267 | -8.0 | 117 | 0.00 |
| 7 | S | Phenol-d6 | 1.550 | 1.705 | -10.0 | 117 | 0.00 |
| 8 | | 2-Chlorophenol | 1.241 | 1.296 | -4.4 | 114 | 0.00 |
| 9 | | Benzaldehyde | 1.134 | 1.122 | 1.1 | 112 | 0.00 |
| 10 | C | Phenol | 1.718 | 1.829 | -6.5 | 115 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.324 | 1.376 | -3.9 | 115 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.502 | 1.576 | -4.9 | 114 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.557 | 1.617 | -3.9 | 114 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.486 | 1.535 | -3.3 | 115 | 0.00 |
| 15 | | Benzyl Alcohol | 1.479 | 1.602 | -8.3 | 112 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 2.451 | 2.573 | -5.0 | 114 | 0.00 |
| 17 | | 2-Methylphenol | 1.128 | 1.230 | -9.0 | 118 | 0.00 |
| 18 | | Hexachloroethane | 0.598 | 0.653 | -9.2 | 115 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.309 | 1.397 | -6.7 | 116 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.561 | 1.692 | -8.4 | 116 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 118 | 0.00 |
| 22 | | Acetophenone | 0.556 | 0.574 | -3.2 | 112 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.453 | 0.467 | -3.1 | 111 | 0.00 |
| 24 | | Nitrobenzene | 0.497 | 0.503 | -1.2 | 111 | 0.00 |
| 25 | | Isophorone | 0.820 | 0.854 | -4.1 | 112 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.190 | 0.197 | -3.7 | 111 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.312 | 0.331 | -6.1 | 114 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.426 | 0.424 | 0.5 | 114 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.334 | 0.357 | -6.9 | 116 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.404 | 0.411 | -1.7 | 114 | 0.00 |
| 31 | | Naphthalene | 0.999 | 1.021 | -2.2 | 112 | 0.00 |
| 32 | | Benzoic acid | 0.251 | 0.282 | -12.4 | 120 | 0.00 |
| 33 | | 4-Chloroaniline | 0.420 | 0.448 | -6.7 | 112 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.329 | 0.337 | -2.4 | 113 | 0.00 |
| 35 | | Caprolactam | 0.126 | 0.126 | 0.0 | 110 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.412 | 0.422 | -2.4 | 110 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.740 | 0.770 | -4.1 | 113 | 0.00 |
| 38 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 110 | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 0.660 | 0.728 | -10.3 | 115 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 0.192 | 0.243 | -26.6# | 122 | 0.00 |
| 41 | S | 2,4,6-Tribromophenol | 0.322 | 0.337 | -4.7 | 107 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 0.416 | 0.439 | -5.5 | 109 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 0.435 | 0.480 | -10.3 | 115 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 1.235 | 1.309 | -6.0 | 112 | 0.00 |

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Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 1.345 | 1.439 | -7.0 | 112 | 0.00 |
| 46 | | 2-Chloronaphthalene | 1.051 | 1.107 | -5.3 | 112 | 0.00 |
| 47 | | 2-Nitroaniline | 0.444 | 0.496 | -11.7 | 113 | 0.00 |
| 48 | | Acenaphthylene | 1.629 | 1.721 | -5.6 | 112 | 0.00 |
| 49 | | Dimethylphthalate | 1.458 | 1.526 | -4.7 | 108 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 0.319 | 0.335 | -5.0 | 109 | 0.00 |
| 51 | C | Acenaphthene | 1.065 | 1.143 | -7.3 | 112 | 0.00 |
| 52 | | 3-Nitroaniline | 0.306 | 0.336 | -9.8 | 111 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 0.183 | 0.160 | 12.6 | 85 | 0.00 |
| 54 | | Dibenzofuran | 1.684 | 1.775 | -5.4 | 109 | 0.00 |
| 55 | P | 4-Nitrophenol | 0.229 | 0.254 | -10.9 | 110 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 0.464 | 0.506 | -9.1 | 112 | 0.00 |
| 57 | | Fluorene | 1.410 | 1.480 | -5.0 | 110 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 0.466 | 0.479 | -2.8 | 107 | 0.00 |
| 59 | | Diethylphthalate | 1.529 | 1.558 | -1.9 | 106 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 0.799 | 0.839 | -5.0 | 110 | 0.00 |
| 61 | | 4-Nitroaniline | 0.308 | 0.339 | -10.1 | 103 | 0.00 |
| 62 | | Azobenzene | 1.475 | 1.563 | -6.0 | 109 | 0.00 |
| 63 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 110 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.139 | 0.143 | -2.9 | 99 | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 0.541 | 0.560 | -3.5 | 108 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 0.247 | 0.258 | -4.5 | 107 | 0.00 |
| 67 | | Hexachlorobenzene | 0.283 | 0.294 | -3.9 | 109 | 0.00 |
| 68 | | Atrazine | 0.237 | 0.236 | 0.4 | 103 | 0.00 |
| 69 | C | Pentachlorophenol | 0.147 | 0.147 | 0.0 | 99 | 0.00 |
| 70 | | Phenanthrene | 1.031 | 1.065 | -3.3 | 108 | 0.00 |
| 71 | | Anthracene | 1.047 | 1.069 | -2.1 | 108 | 0.00 |
| 72 | | Carbazole | 0.937 | 0.977 | -4.3 | 109 | 0.00 |
| 73 | | Di-n-butylphthalate | 1.152 | 1.171 | -1.6 | 107 | 0.00 |
| 74 | C | Fluoranthene | 1.361 | 1.430 | -5.1 | 111 | 0.00 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 117 | 0.00 |
| 76 | | Benzidine | 0.499 | 0.449 | 10.0 | 99 | 0.00 |
| 77 | | Pyrene | 1.045 | 1.078 | -3.2 | 110 | 0.00 |
| 78 | S | Terphenyl-d14 | 0.754 | 0.759 | -0.7 | 110 | 0.00 |
| 79 | | Butylbenzylphthalate | 0.420 | 0.441 | -5.0 | 117 | 0.00 |
| 80 | | Benzo(a)anthracene | 1.116 | 1.173 | -5.1 | 115 | 0.00 |
| 81 | | 3,3'-Dichlorobenzidine | 0.433 | 0.455 | -5.1 | 114 | 0.00 |
| 82 | | Chrysene | 1.070 | 1.110 | -3.7 | 115 | 0.00 |
| 83 | | Bis(2-ethylhexyl)phthalate | 0.584 | 0.623 | -6.7 | 119 | 0.00 |
| 84 | c | Di-n-octyl phthalate | 0.970 | 1.034 | -6.6 | 117 | 0.00 |
| 85 | | Indeno(1,2,3-cd)pyrene | 1.360 | 1.448 | -6.5 | 116 | 0.00 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 117 | 0.00 |
| 87 | | Benzo(b)fluoranthene | 1.091 | 1.152 | -5.6 | 117 | 0.00 |

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| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 1.054 | 1.091 | -3.5 | 113 | 0.00 |
| 89 C | Benzo(a)pyrene | 1.054 | 1.102 | -4.6 | 116 | 0.00 |
| 90 | Dibenzo(a,h)anthracene | 1.117 | 1.176 | -5.3 | 115 | 0.00 |
| 91 | Benzo(g,h,i)perylene | 1.110 | 1.144 | -3.1 | 115 | -0.01 |

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