# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012916\
Data File : BF084631.D
Acq On : 29 Jan 2016 12:57
Operator : SJ/IZ
Sample : SSTDICV040
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** ICVBF012916

Quant Time: Jan 29 23:20:54 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 29 12:54:53 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 | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | 1,4-Dichlorobenzene-d4 | 20.000 | 20.000 | 0.0 | 123 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 35.202 | 12.0 | 105 | 0.00 |
| 3 | | Pyridine | 40.000 | 38.128 | 4.7 | 111 | -0.01 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 35.308 | 11.7 | 99 | 0.00 |
| 5 | S | 2-Fluorophenol | 80.000 | 71.264 | 10.9 | 123 | 0.00 |
| 6 | | Aniline | 40.000 | 36.724 | 8.2 | 123 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 73.814 | 7.7 | 125 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 38.384 | 4.0 | 121 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 40.255 | -0.6 | 134 | 0.00 |
| 10 | C | Phenol | 40.000 | 38.517 | 3.7 | 127 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 34.453 | 13.9 | 120 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 35.923 | 10.2 | 123 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 37.327 | 6.7 | 115 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 40.391 | -1.0 | 98 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 37.796 | 5.5 | 98 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 36.805 | 8.0 | 101 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 38.571 | 3.6 | 100 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 39.335 | 1.7 | 101 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 37.034 | 7.4 | 100 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 36.052 | 9.9 | 96 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 99 | 0.00 |
| 22 | | Acetophenone | 40.000 | 38.290 | 4.3 | 99 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 81.841 | -2.3 | 100 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 36.526 | 8.7 | 102 | 0.00 |
| 25 | | Isophorone | 40.000 | 40.366 | -0.9 | 99 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 38.799 | 3.0 | 98 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 36.288 | 9.3 | 102 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 38.466 | 3.8 | 100 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 39.709 | 0.7 | 96 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 38.572 | 3.6 | 99 | 0.00 |
| 31 | | Naphthalene | 40.000 | 36.889 | 7.8 | 101 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 39.206 | 2.0 | 97 | 0.00 |
| 33 | | 4-Chloroaniline | 40.000 | 36.581 | 8.5 | 101 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 38.642 | 3.4 | 97 | 0.00 |
| 35 | | Caprolactam | 40.000 | 38.539 | 3.7 | 99 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 40.434 | -1.1 | 100 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 41.747 | -4.4 | 101 | 0.00 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 105 | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 36.593 | 8.5 | 102 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 39.422 | 1.4 | 101 | 0.01 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 69.529 | 13.1 | 87 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 39.187 | 2.0 | 102 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 37.670 | 5.8 | 97 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 70.365 | 12.0 | 97 | 0.00 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 40.000 | 39.060 | 2.3 | 100 | 0.00 |
| 46 | | 2-Chloronaphthalene | 40.000 | 37.599 | 6.0 | 100 | 0.00 |
| 47 | | 2-Nitroaniline | 40.000 | 34.741 | 13.1 | 99 | 0.00 |
| 48 | | Acenaphthylene | 40.000 | 39.346 | 1.6 | 101 | 0.00 |
| 49 | | Dimethylphthalate | 40.000 | 38.644 | 3.4 | 104 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 41.267 | -3.2 | 102 | 0.00 |
| 51 | C | Acenaphthene | 40.000 | 37.460 | 6.3 | 93 | 0.00 |
| 52 | | 3-Nitroaniline | 40.000 | 35.863 | 10.3 | 101 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 38.229 | 4.4 | 95 | 0.01 |
| 54 | | Dibenzofuran | 40.000 | 40.122 | -0.3 | 102 | 0.00 |
| 55 | P | 4-Nitrophenol | 40.000 | 37.946 | 5.1 | 100 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 41.161 | -2.9 | 102 | 0.00 |
| 57 | | Fluorene | 40.000 | 38.152 | 4.6 | 106 | 0.01 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 37.680 | 5.8 | 97 | 0.00 |
| 59 | | Diethylphthalate | 40.000 | 38.347 | 4.1 | 102 | 0.01 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 37.631 | 5.9 | 101 | 0.00 |
| 61 | | 4-Nitroaniline | 40.000 | 43.716 | -9.3 | 96 | 0.00 |
| 62 | | Azobenzene | 40.000 | 31.874 | 20.3 | 80 | 0.00 |
| 63 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 83 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 48.579 | -21.4 | 102 | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 47.614 | -19.0 | 93 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 43.004 | -7.5 | 81 | 0.00 |
| 67 | | Hexachlorobenzene | 40.000 | 37.503 | 6.2 | 81 | 0.00 |
| 68 | | Atrazine | 40.000 | 37.791 | 5.5 | 80 | 0.00 |
| 69 | C | Pentachlorophenol | 40.000 | 40.048 | -0.1 | 82 | 0.01 |
| 70 | | Phenanthrene | 40.000 | 37.638 | 5.9 | 85 | 0.00 |
| 71 | | Anthracene | 40.000 | 43.031 | -7.6 | 84 | 0.00 |
| 72 | | Carbazole | 40.000 | 42.560 | -6.4 | 86 | 0.00 |
| 73 | | Di-n-butylphthalate | 40.000 | 41.147 | -2.9 | 89 | 0.00 |
| 74 | C | Fluoranthene | 40.000 | 43.202 | -8.0 | 85 | 0.00 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 90 | 0.00 |
| 76 | | Benzidine | 40.000 | 40.913 | -2.3 | 79 | 0.00 |
| 77 | | Pyrene | 40.000 | 44.645 | -11.6 | 89 | 0.00 |
| 78 | S | Terphenyl-d14 | 80.000 | 84.207 | -5.3 | 85 | 0.00 |
| 79 | | Butylbenzylphthalate | 40.000 | 41.657 | -4.1 | 86 | 0.00 |
| 80 | | Benzo(a)anthracene | 40.000 | 41.044 | -2.6 | 93 | 0.00 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 40.801 | -2.0 | 88 | 0.00 |
| 82 | | Chrysene | 40.000 | 43.675 | -9.2 | 97 | 0.00 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 43.114 | -7.8 | 91 | 0.00 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 39.803 | 0.5 | 89 | 0.01 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 44.036 | -10.1 | 104 | 0.00 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 91 | 0.00 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 36.806 | 8.0 | 81 | 0.00 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 40.000 | 39.384 | 1.5 | 92 | 0.00 |
| 89 C | Benzo(a)pyrene | 40.000 | 38.275 | 4.3 | 88 | 0.01 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 45.527 | -13.8 | 104 | 0.01 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 44.914 | -12.3 | 102 | 0.01 |

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