# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG021218\
Data File : BG032653.D
Acq On : 12 Feb 2018 17:06
Operator : SJ/JU
Sample : SSTDICV040
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** ICVBG021218

Quant Time: Feb 12 18:19:47 2018
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG021218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 12 18:08:01 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 | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | 1,4-Dichlorobenzene-d4 | 20.000 | 20.000 | 0.0 | 108 | 0.05 |
| 2 | | 1,4-Dioxane | 40.000 | 35.946 | 10.1 | 97 | 0.04 |
| 3 | | Pyridine | 40.000 | 39.271 | 1.8 | 104 | 0.04 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 40.834 | -2.1 | 105 | 0.04 |
| 5 | S | 2-Fluorophenol | 80.000 | 77.652 | 2.9 | 102 | 0.04 |
| 6 | | Aniline | 40.000 | 40.617 | -1.5 | 103 | 0.05 |
| 7 | S | Phenol-d6 | 80.000 | 78.099 | 2.4 | 101 | 0.04 |
| 8 | | 2-Chlorophenol | 40.000 | 40.524 | -1.3 | 97 | 0.05 |
| 9 | | Benzaldehyde | 40.000 | 37.557 | 6.1 | 97 | 0.05 |
| 10 | C | Phenol | 40.000 | 40.293 | -0.7 | 104 | 0.04 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 37.229 | 6.9 | 91 | 0.05 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 38.804 | 3.0 | 102 | 0.05 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 38.319 | 4.2 | 100 | 0.05 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 38.731 | 3.2 | 100 | 0.05 |
| 15 | | Benzyl Alcohol | 40.000 | 40.220 | -0.5 | 101 | 0.04 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 39.117 | 2.2 | 100 | 0.04 |
| 17 | | 2-Methylphenol | 40.000 | 40.036 | -0.1 | 106 | 0.04 |
| 18 | | Hexachloroethane | 40.000 | 39.380 | 1.5 | 100 | 0.05 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 39.569 | 1.1 | 102 | 0.04 |
| 20 | | 3+4-Methylphenols | 40.000 | 38.912 | 2.7 | 98 | 0.05 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 99 | 0.05 |
| 22 | | Acetophenone | 40.000 | 42.330 | -5.8 | 102 | 0.05 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 86.372 | -8.0 | 103 | 0.05 |
| 24 | | Nitrobenzene | 40.000 | 38.950 | 2.6 | 103 | 0.04 |
| 25 | | Isophorone | 40.000 | 39.870 | 0.3 | 101 | 0.05 |
| 26 | C | 2-Nitrophenol | 40.000 | 40.861 | -2.2 | 104 | 0.04 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 42.752 | -6.9 | 100 | 0.05 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 41.338 | -3.3 | 106 | 0.04 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 39.721 | 0.7 | 101 | 0.04 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 42.428 | -6.1 | 107 | 0.05 |
| 31 | | Naphthalene | 40.000 | 40.443 | -1.1 | 102 | 0.04 |
| 32 | | Benzoic acid | 40.000 | 45.535 | -13.8 | 120 | 0.03 |
| 33 | | 4-Chloroaniline | 40.000 | 42.514 | -6.3 | 109 | 0.05 |
| 34 | C | Hexachlorobutadiene | 40.000 | 39.855 | 0.4 | 102 | 0.04 |
| 35 | | Caprolactam | 40.000 | 41.825 | -4.6 | 106 | 0.03 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 42.690 | -6.7 | 103 | 0.04 |
| 37 | | 2-Methylnaphthalene | 40.000 | 41.511 | -3.8 | 106 | 0.04 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 97 | 0.04 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 42.145 | -5.4 | 100 | 0.04 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 42.892 | -7.2 | 103 | 0.04 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 86.887 | -8.6 | 104 | 0.03 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 43.961 | -9.9 | 106 | 0.04 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 40.837 | -2.1 | 93 | 0.04 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 85.152 | -6.4 | 103 | 0.04 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 40.000 | 42.784 | -7.0 | 103 | 0.04 |
| 46 | | 2-Chloronaphthalene | 40.000 | 43.236 | -8.1 | 104 | 0.04 |
| 47 | | 2-Nitroaniline | 40.000 | 43.189 | -8.0 | 101 | 0.04 |
| 48 | | Acenaphthylene | 40.000 | 42.838 | -7.1 | 104 | 0.04 |
| 49 | | Dimethylphthalate | 40.000 | 42.737 | -6.8 | 103 | 0.04 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 43.810 | -9.5 | 105 | 0.03 |
| 51 | C | Acenaphthene | 40.000 | 42.979 | -7.4 | 104 | 0.04 |
| 52 | | 3-Nitroaniline | 40.000 | 41.908 | -4.8 | 103 | 0.04 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 40.698 | -1.7 | 110 | 0.03 |
| 54 | | Dibenzofuran | 40.000 | 42.954 | -7.4 | 105 | 0.04 |
| 55 | P | 4-Nitrophenol | 40.000 | 40.702 | -1.8 | 102 | 0.04 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 45.264 | -13.2 | 106 | 0.04 |
| 57 | | Fluorene | 40.000 | 42.732 | -6.8 | 106 | 0.03 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 45.682 | -14.2 | 112 | 0.04 |
| 59 | | Diethylphthalate | 40.000 | 42.873 | -7.2 | 104 | 0.04 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 42.350 | -5.9 | 103 | 0.04 |
| 61 | | 4-Nitroaniline | 40.000 | 44.211 | -10.5 | 106 | 0.03 |
| 62 | | Azobenzene | 40.000 | 42.577 | -6.4 | 102 | 0.04 |
| 63 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 99 | 0.04 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 42.077 | -5.2 | 109 | 0.03 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 42.744 | -6.9 | 103 | 0.04 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 42.851 | -7.1 | 105 | 0.04 |
| 67 | | Hexachlorobenzene | 40.000 | 42.108 | -5.3 | 103 | 0.04 |
| 68 | | Atrazine | 40.000 | 43.732 | -9.3 | 107 | 0.03 |
| 69 | C | Pentachlorophenol | 40.000 | 44.124 | -10.3 | 110 | 0.03 |
| 70 | | Phenanthrene | 40.000 | 42.178 | -5.4 | 104 | 0.04 |
| 71 | | Anthracene | 40.000 | 42.143 | -5.4 | 103 | 0.04 |
| 72 | | Carbazole | 40.000 | 43.302 | -8.3 | 105 | 0.04 |
| 73 | | Di-n-butylphthalate | 40.000 | 43.570 | -8.9 | 105 | 0.03 |
| 74 | C | Fluoranthene | 40.000 | 42.522 | -6.3 | 105 | 0.03 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 101 | 0.04 |
| 76 | | Benzidine | 40.000 | 38.909 | 2.7 | 95 | 0.03 |
| 77 | | Pyrene | 40.000 | 42.165 | -5.4 | 105 | 0.04 |
| 78 | S | Terphenyl-d14 | 80.000 | 82.614 | -3.3 | 105 | 0.03 |
| 79 | | Butylbenzylphthalate | 40.000 | 42.464 | -6.2 | 105 | 0.03 |
| 80 | | Benzo(a)anthracene | 40.000 | 41.055 | -2.6 | 103 | 0.04 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 41.840 | -4.6 | 100 | 0.04 |
| 82 | | Chrysene | 40.000 | 41.749 | -4.4 | 105 | 0.04 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 42.163 | -5.4 | 105 | 0.04 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 43.200 | -8.0 | 106 | 0.05 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 41.855 | -4.6 | 104 | 0.11 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 98 | 0.06 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 41.987 | -5.0 | 102 | 0.05 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 40.000 | 42.939 | -7.3 | 106 | 0.05 |
| 89 C | Benzo(a)pyrene | 40.000 | 42.757 | -6.9 | 105 | 0.06 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 42.835 | -7.1 | 104 | 0.11 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 42.831 | -7.1 | 103 | 0.12 |

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