# Evaluate Continuing Calibration Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032719\
Data File : BF113346.D
Acq On : 27 Mar 2019 23:33
Operator : JU/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_F
**LabSampleId :** SSTDCCC040

Quant Time: Mar 28 04:25:22 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF032519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 26 03:32:08 2019
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 | 105 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 37.562 | 6.1 | 104 | -0.04 |
| 3 | | Pyridine | 40.000 | 40.824 | -2.1 | 120 | -0.03 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 37.800 | 5.5 | 115 | -0.04 |
| 5 | S | 2-Fluorophenol | 80.000 | 78.940 | 1.3 | 115 | 0.00 |
| 6 | | Aniline | 40.000 | 38.802 | 3.0 | 104 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 75.743 | 5.3 | 104 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 39.095 | 2.3 | 107 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 40.559 | -1.4 | 111 | 0.00 |
| 10 | C | Phenol | 40.000 | 37.856 | 5.4 | 105 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 38.426 | 3.9 | 107 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 38.401 | 4.0 | 106 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 40.126 | -0.3 | 105 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 37.586 | 6.0 | 102 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 40.984 | -2.5 | 103 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 38.892 | 2.8 | 99 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 38.631 | 3.4 | 99 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 34.167 | 14.6 | 87 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 35.918 | 10.2 | 99 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 40.509 | -1.3 | 102 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 104 | 0.00 |
| 22 | | Acetophenone | 40.000 | 40.184 | -0.5 | 102 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 83.881 | -4.9 | 100 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 42.190 | -5.5 | 98 | 0.00 |
| 25 | | Isophorone | 40.000 | 39.099 | 2.3 | 96 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 33.097 | 17.3 | 80 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 41.606 | -4.0 | 102 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 40.976 | -2.4 | 102 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 39.982 | 0.0 | 99 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 40.423 | -1.1 | 101 | 0.00 |
| 31 | | Naphthalene | 40.000 | 40.342 | -0.9 | 105 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 22.651 | 43.4# | 58 | -0.03 |
| 33 | | 4-Chloroaniline | 40.000 | 43.135 | -7.8 | 123 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 40.417 | -1.0 | 114 | 0.00 |
| 35 | | Caprolactam | 40.000 | 38.113 | 4.7 | 99 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 39.334 | 1.7 | 115 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 41.329 | -3.3 | 118 | 0.00 |
| 38 | | 1-Methylnaphthalene | 40.000 | 42.011 | -5.0 | 120 | 0.00 |
| 39 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 112 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 42.648 | -6.6 | 119 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 40.000 | 4.242 | 89.4# | 12 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 80.000 | 67.778 | 15.3 | 93 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 40.000 | 38.347 | 4.1 | 108 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 40.000 | 36.059 | 9.9 | 103 | 0.00 |

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

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | S | 2-Fluorobiphenyl | 80.000 | 84.115 | -5.1 | 112 | 0.00 |
| 46 | | 1,1'-Biphenyl | 40.000 | 41.406 | -3.5 | 117 | 0.00 |
| 47 | | 2-Chloronaphthalene | 40.000 | 41.172 | -2.9 | 116 | 0.00 |
| 48 | | 2-Nitroaniline | 40.000 | 42.764 | -6.9 | 120 | 0.00 |
| 49 | | Acenaphthylene | 40.000 | 40.891 | -2.2 | 112 | 0.00 |
| 50 | | Dimethylphthalate | 40.000 | 40.704 | -1.8 | 114 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 40.000 | 37.621 | 5.9 | 104 | 0.00 |
| 52 | C | Acenaphthene | 40.000 | 40.705 | -1.8 | 113 | 0.00 |
| 53 | | 3-Nitroaniline | 40.000 | 42.732 | -6.8 | 118 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 40.000 | 0.855 | 97.9# | 3 | 0.02 |
| 55 | | Dibenzofuran | 40.000 | 40.641 | -1.6 | 111 | 0.00 |
| 56 | P | 4-Nitrophenol | 40.000 | 29.268 | 26.8# | 81 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 40.000 | 34.535 | 13.7 | 94 | 0.00 |
| 58 | | Fluorene | 40.000 | 38.419 | 4.0 | 106 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 33.597 | 16.0 | 89 | 0.00 |
| 60 | | Diethylphthalate | 40.000 | 38.926 | 2.7 | 108 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 40.000 | 39.369 | 1.6 | 107 | 0.00 |
| 62 | | 4-Nitroaniline | 40.000 | 38.134 | 4.7 | 104 | 0.00 |
| 63 | | Azobenzene | 40.000 | 38.742 | 3.1 | 106 | 0.00 |
| 64 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 92 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 40.000 | 2.079 | 94.8# | 5 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 40.000 | 45.953 | -14.9 | 107 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 40.000 | 45.264 | -13.2 | 103 | 0.00 |
| 68 | | Hexachlorobenzene | 40.000 | 44.069 | -10.2 | 100 | 0.00 |
| 69 | | Atrazine | 40.000 | 42.218 | -5.5 | 96 | 0.00 |
| 70 | C | Pentachlorophenol | 40.000 | 52.524 | -31.3# | 124 | 0.00 |
| 71 | | Phenanthrene | 40.000 | 42.226 | -5.6 | 95 | 0.00 |
| 72 | | Anthracene | 40.000 | 42.799 | -7.0 | 97 | 0.00 |
| 73 | | Carbazole | 40.000 | 41.088 | -2.7 | 93 | 0.00 |
| 74 | | Di-n-butylphthalate | 40.000 | 42.417 | -6.0 | 96 | 0.00 |
| 75 | C | Fluoranthene | 40.000 | 38.781 | 3.0 | 90 | 0.00 |
| 76 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 97 | 0.00 |
| 77 | | Benzidine | 40.000 | 35.208 | 12.0 | 84 | 0.00 |
| 78 | | Pyrene | 40.000 | 38.238 | 4.4 | 90 | 0.00 |
| 79 | S | Terphenyl-d14 | 80.000 | 74.759 | 6.6 | 88 | 0.00 |
| 80 | | Butylbenzylphthalate | 40.000 | 35.860 | 10.4 | 86 | 0.00 |
| 81 | | Benzo(a)anthracene | 40.000 | 41.068 | -2.7 | 97 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 40.000 | 42.075 | -5.2 | 97 | 0.00 |
| 83 | | Chrysene | 40.000 | 41.109 | -2.8 | 98 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 40.000 | 35.488 | 11.3 | 84 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 40.000 | 39.567 | 1.1 | 91 | 0.00 |
| 86 | | Indeno(1,2,3-cd)pyrene | 40.000 | 37.093 | 7.3 | 95 | 0.00 |
| 87 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 97 | 0.00 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(b)fluoranthene | 40.000 | 39.983 | 0.0 | 96 | 0.00 |
| 89 | Benzo(k)fluoranthene | 40.000 | 44.536 | -11.3 | 102 | 0.00 |
| 90 C | Benzo(a)pyrene | 40.000 | 40.268 | -0.7 | 98 | 0.00 |
| 91 | Dibenzo(a,h)anthracene | 40.000 | 37.603 | 6.0 | 96 | 0.00 |
| 92 | Benzo(g,h,i)perylene | 40.000 | 35.771 | 10.6 | 95 | 0.00 |

(#) = Out of Range SPCC's out = 0 CCC's out = 1