# Evaluate Continuing Calibration Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020620\
Data File : BF118831.D
Acq On : 6 Feb 2020 9:59
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Feb 06 17:14:20 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF020320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 03 16:26:03 2020
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 | 107 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 41.926 | -4.8 | 112 | 0.00 |
| 3 | | Pyridine | 40.000 | 42.840 | -7.1 | 112 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 44.736 | -11.8 | 118 | 0.00 |
| 5 | S | 2-Fluorophenol | 80.000 | 87.180 | -9.0 | 114 | 0.00 |
| 6 | | Aniline | 40.000 | 44.468 | -11.2 | 115 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 88.501 | -10.6 | 115 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 43.338 | -8.3 | 111 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 44.920 | -12.3 | 115 | 0.00 |
| 10 | C | Phenol | 40.000 | 44.012 | -10.0 | 113 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 44.984 | -12.5 | 117 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 43.198 | -8.0 | 112 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 43.966 | -9.9 | 113 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 43.004 | -7.5 | 114 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 45.702 | -14.3 | 116 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 45.831 | -14.6 | 118 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 45.056 | -12.6 | 118 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 45.942 | -14.9 | 119 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 45.007 | -12.5 | 119 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 40.567 | -1.4 | 112 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 110 | 0.00 |
| 22 | | Acetophenone | 40.000 | 42.218 | -5.5 | 116 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 86.381 | -8.0 | 119 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 43.208 | -8.0 | 118 | 0.00 |
| 25 | | Isophorone | 40.000 | 43.425 | -8.6 | 121 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 44.593 | -11.5 | 123 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 43.505 | -8.8 | 120 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 43.199 | -8.0 | 119 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 42.054 | -5.1 | 115 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 42.731 | -6.8 | 116 | 0.00 |
| 31 | | Naphthalene | 40.000 | 42.578 | -6.4 | 116 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 44.352 | -10.9 | 138 | 0.02 |
| 33 | | 4-Chloroaniline | 40.000 | 43.145 | -7.9 | 119 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 43.357 | -8.4 | 119 | 0.00 |
| 35 | | Caprolactam | 40.000 | 44.576 | -11.4 | 128 | 0.01 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 44.505 | -11.3 | 123 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 43.161 | -7.9 | 117 | 0.00 |
| 38 | | 1-Methylnaphthalene | 40.000 | 42.172 | -5.4 | 115 | 0.00 |
| 39 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 109 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 43.824 | -9.6 | 117 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 40.000 | 42.097 | -5.2 | 110 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 80.000 | 91.182 | -14.0 | 121 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 40.000 | 44.652 | -11.6 | 119 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 40.000 | 44.653 | -11.6 | 120 | 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 | 85.965 | -7.5 | 114 | 0.00 |
| 46 | | 1,1'-Biphenyl | 40.000 | 43.871 | -9.7 | 117 | 0.00 |
| 47 | | 2-Chloronaphthalene | 40.000 | 44.271 | -10.7 | 119 | 0.00 |
| 48 | | 2-Nitroaniline | 40.000 | 46.182 | -15.5 | 124 | 0.00 |
| 49 | | Acenaphthylene | 40.000 | 42.551 | -6.4 | 114 | 0.00 |
| 50 | | Dimethylphthalate | 40.000 | 44.227 | -10.6 | 120 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 40.000 | 44.204 | -10.5 | 119 | 0.00 |
| 52 | C | Acenaphthene | 40.000 | 42.518 | -6.3 | 114 | 0.00 |
| 53 | | 3-Nitroaniline | 40.000 | 43.108 | -7.8 | 118 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 40.000 | 45.697 | -14.2 | 123 | 0.00 |
| 55 | | Dibenzofuran | 40.000 | 41.140 | -2.9 | 114 | 0.00 |
| 56 | P | 4-Nitrophenol | 40.000 | 42.654 | -6.6 | 117 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 40.000 | 44.944 | -12.4 | 120 | 0.00 |
| 58 | | Fluorene | 40.000 | 42.958 | -7.4 | 119 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 45.189 | -13.0 | 121 | 0.00 |
| 60 | | Diethylphthalate | 40.000 | 46.095 | -15.2 | 124 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 40.000 | 43.068 | -7.7 | 119 | 0.00 |
| 62 | | 4-Nitroaniline | 40.000 | 46.885 | -17.2 | 128 | 0.00 |
| 63 | | Azobenzene | 40.000 | 45.425 | -13.6 | 122 | 0.00 |
| 64 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 115 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 40.000 | 46.751 | -16.9 | 132 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 40.000 | 43.280 | -8.2 | 122 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 40.000 | 43.215 | -8.0 | 123 | 0.00 |
| 68 | | Hexachlorobenzene | 40.000 | 42.791 | -7.0 | 121 | 0.00 |
| 69 | | Atrazine | 40.000 | 41.368 | -3.4 | 120 | 0.00 |
| 70 | C | Pentachlorophenol | 40.000 | 42.514 | -6.3 | 118 | 0.00 |
| 71 | | Phenanthrene | 40.000 | 41.311 | -3.3 | 121 | 0.00 |
| 72 | | Anthracene | 40.000 | 40.712 | -1.8 | 120 | 0.00 |
| 73 | | Carbazole | 40.000 | 42.980 | -7.4 | 121 | 0.00 |
| 74 | | Di-n-butylphthalate | 40.000 | 41.998 | -5.0 | 122 | 0.00 |
| 75 | C | Fluoranthene | 40.000 | 40.884 | -2.2 | 121 | 0.00 |
| 76 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 109 | 0.00 |
| 77 | | Benzidine | 40.000 | 42.483 | -6.2 | 110 | 0.00 |
| 78 | | Pyrene | 40.000 | 42.386 | -6.0 | 115 | 0.00 |
| 79 | S | Terphenyl-d14 | 80.000 | 84.968 | -6.2 | 115 | 0.00 |
| 80 | | Butylbenzylphthalate | 40.000 | 44.279 | -10.7 | 118 | 0.00 |
| 81 | | Benzo(a)anthracene | 40.000 | 42.856 | -7.1 | 117 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 40.000 | 43.707 | -9.3 | 115 | 0.00 |
| 83 | | Chrysene | 40.000 | 42.267 | -5.7 | 113 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 40.000 | 43.978 | -9.9 | 115 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 40.000 | 39.632 | 0.9 | 104 | -0.01 |
| 86 | | Indeno(1,2,3-cd)pyrene | 40.000 | 34.579 | 13.6 | 100 | -0.02 |
| 87 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 99 | -0.01 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(b)fluoranthene | 40.000 | 43.155 | -7.9 | 104 | 0.00 |
| 89 | Benzo(k)fluoranthene | 40.000 | 46.242 | -15.6 | 115 | -0.01 |
| 90 C | Benzo(a)pyrene | 40.000 | 43.714 | -9.3 | 108 | 0.00 |
| 91 | Dibenzo(a,h)anthracene | 40.000 | 39.355 | 1.6 | 100 | -0.01 |
| 92 | Benzo(g,h,i)perylene | 40.000 | 38.293 | 4.3 | 100 | -0.02 |

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