# Evaluate Continuing Calibration Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080619\
Data File : BF116001.D
Acq On : 6 Aug 2019 9:45
Operator : HP/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Aug 07 11:02:00 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 31 15:31:51 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 | 106 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 35.453 | 11.4 | 96 | 0.00 |
| 3 | | Pyridine | 40.000 | 34.560 | 13.6 | 92 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 17.779 | 55.6# | 47 | -0.03 |
| 5 | S | 2-Fluorophenol | 80.000 | 74.802 | 6.5 | 97 | 0.00 |
| 6 | | Aniline | 40.000 | 39.922 | 0.2 | 104 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 84.106 | -5.1 | 111 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 43.337 | -8.3 | 113 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 35.911 | 10.2 | 94 | 0.00 |
| 10 | C | Phenol | 40.000 | 41.895 | -4.7 | 110 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 43.563 | -8.9 | 115 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 41.391 | -3.5 | 108 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 41.848 | -4.6 | 109 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 41.900 | -4.7 | 107 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 43.039 | -7.6 | 110 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 43.530 | -8.8 | 113 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 41.997 | -5.0 | 112 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 43.065 | -7.7 | 112 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 42.805 | -7.0 | 114 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 42.849 | -7.1 | 110 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 108 | 0.00 |
| 22 | | Acetophenone | 40.000 | 41.565 | -3.9 | 111 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 83.540 | -4.4 | 112 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 42.345 | -5.9 | 113 | 0.00 |
| 25 | | Isophorone | 40.000 | 42.586 | -6.5 | 114 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 44.187 | -10.5 | 117 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 41.803 | -4.5 | 111 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 43.862 | -9.7 | 117 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 43.425 | -8.6 | 114 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 42.158 | -5.4 | 112 | 0.00 |
| 31 | | Naphthalene | 40.000 | 42.404 | -6.0 | 111 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 42.548 | -6.4 | 125 | -0.01 |
| 33 | | 4-Chloroaniline | 40.000 | 41.344 | -3.4 | 109 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 42.899 | -7.2 | 114 | 0.00 |
| 35 | | Caprolactam | 40.000 | 39.808 | 0.5 | 106 | -0.01 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 42.772 | -6.9 | 114 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 42.641 | -6.6 | 112 | 0.00 |
| 38 | | 1-Methylnaphthalene | 40.000 | 43.237 | -8.1 | 114 | 0.00 |
| 39 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 108 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 43.117 | -7.8 | 114 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 40.000 | 44.212 | -10.5 | 124 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 80.000 | 84.516 | -5.6 | 113 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 40.000 | 40.824 | -2.1 | 109 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 40.000 | 41.680 | -4.2 | 111 | 0.00 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | S | 2-Fluorobiphenyl | 80.000 | 84.063 | -5.1 | 111 | 0.00 |
| 46 | | 1,1'-Biphenyl | 40.000 | 42.168 | -5.4 | 112 | 0.00 |
| 47 | | 2-Chloronaphthalene | 40.000 | 41.673 | -4.2 | 111 | 0.00 |
| 48 | | 2-Nitroaniline | 40.000 | 40.251 | -0.6 | 108 | 0.00 |
| 49 | | Acenaphthylene | 40.000 | 42.416 | -6.0 | 112 | 0.00 |
| 50 | | Dimethylphthalate | 40.000 | 42.179 | -5.4 | 113 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 40.000 | 42.481 | -6.2 | 113 | 0.00 |
| 52 | C | Acenaphthene | 40.000 | 41.534 | -3.8 | 110 | 0.00 |
| 53 | | 3-Nitroaniline | 40.000 | 39.454 | 1.4 | 106 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 40.000 | 38.309 | 4.2 | 106 | 0.00 |
| 55 | | Dibenzofuran | 40.000 | 42.110 | -5.3 | 110 | 0.00 |
| 56 | P | 4-Nitrophenol | 40.000 | 36.617 | 8.5 | 97 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 40.000 | 40.728 | -1.8 | 107 | 0.00 |
| 58 | | Fluorene | 40.000 | 42.029 | -5.1 | 111 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 39.389 | 1.5 | 106 | 0.00 |
| 60 | | Diethylphthalate | 40.000 | 42.983 | -7.5 | 114 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 40.000 | 42.846 | -7.1 | 112 | 0.00 |
| 62 | | 4-Nitroaniline | 40.000 | 39.248 | 1.9 | 105 | 0.00 |
| 63 | | Azobenzene | 40.000 | 43.049 | -7.6 | 114 | 0.00 |
| 64 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 104 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 40.000 | 44.729 | -11.8 | 113 | -0.01 |
| 66 | c | n-Nitrosodiphenylamine | 40.000 | 43.405 | -8.5 | 112 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 40.000 | 44.610 | -11.5 | 114 | 0.00 |
| 68 | | Hexachlorobenzene | 40.000 | 43.753 | -9.4 | 112 | 0.00 |
| 69 | | Atrazine | 40.000 | 33.117 | 17.2 | 85 | 0.00 |
| 70 | C | Pentachlorophenol | 40.000 | 36.971 | 7.6 | 93 | 0.00 |
| 71 | | Phenanthrene | 40.000 | 41.933 | -4.8 | 107 | 0.00 |
| 72 | | Anthracene | 40.000 | 42.437 | -6.1 | 109 | 0.00 |
| 73 | | Carbazole | 40.000 | 42.051 | -5.1 | 107 | 0.00 |
| 74 | | Di-n-butylphthalate | 40.000 | 46.272 | -15.7 | 115 | 0.00 |
| 75 | C | Fluoranthene | 40.000 | 42.034 | -5.1 | 108 | 0.00 |
| 76 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 101 | 0.00 |
| 77 | | Benzidine | 40.000 | 43.654 | -9.1 | 102 | 0.00 |
| 78 | | Pyrene | 40.000 | 41.836 | -4.6 | 107 | 0.00 |
| 79 | S | Terphenyl-d14 | 80.000 | 84.862 | -6.1 | 109 | 0.00 |
| 80 | | Butylbenzylphthalate | 40.000 | 45.655 | -14.1 | 113 | 0.00 |
| 81 | | Benzo(a)anthracene | 40.000 | 43.109 | -7.8 | 108 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 40.000 | 44.169 | -10.4 | 108 | 0.00 |
| 83 | | Chrysene | 40.000 | 42.594 | -6.5 | 106 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 40.000 | 50.326 | -25.8# | 124 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 40.000 | 48.966 | -22.4# | 119 | 0.00 |
| 86 | | Indeno(1,2,3-cd)pyrene | 40.000 | 41.347 | -3.4 | 108 | 0.00 |
| 87 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 101 | 0.00 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(b)fluoranthene | 40.000 | 46.161 | -15.4 | 111 | 0.00 |
| 89 | Benzo(k)fluoranthene | 40.000 | 38.451 | 3.9 | 101 | 0.00 |
| 90 C | Benzo(a)pyrene | 40.000 | 42.791 | -7.0 | 108 | 0.00 |
| 91 | Dibenzo(a,h)anthracene | 40.000 | 42.207 | -5.5 | 110 | -0.01 |
| 92 | Benzo(g,h,i)perylene | 40.000 | 40.125 | -0.3 | 108 | 0.00 |

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