# Evaluate Continuing Calibration Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090220\
Data File : BF121515.D
Acq On : 2 Sep 2020 15:20
Operator : JU/CG
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Sep 02 17:59:15 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082720.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 02 17:52:18 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 | 100 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 37.693 | 5.8 | 103 | 0.00 |
| 3 | | Pyridine | 40.000 | 37.857 | 5.4 | 102 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 35.159 | 12.1 | 93 | 0.00 |
| 5 | S | 2-Fluorophenol | 80.000 | 74.035 | 7.5 | 99 | 0.00 |
| 6 | | Aniline | 40.000 | 37.503 | 6.2 | 97 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 74.650 | 6.7 | 100 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 39.521 | 1.2 | 100 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 36.508 | 8.7 | 96 | 0.00 |
| 10 | C | Phenol | 40.000 | 39.035 | 2.4 | 99 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 35.826 | 10.4 | 97 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 36.874 | 7.8 | 100 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 36.904 | 7.7 | 99 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 36.627 | 8.4 | 99 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 37.459 | 6.4 | 97 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 35.043 | 12.4 | 94 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 37.443 | 6.4 | 99 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 39.739 | 0.7 | 102 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 35.769 | 10.6 | 94 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 36.771 | 8.1 | 98 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 100 | 0.00 |
| 22 | | Acetophenone | 40.000 | 34.413 | 14.0 | 96 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 88.581 | -10.7 | 110 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 44.415 | -11.0 | 105 | 0.00 |
| 25 | | Isophorone | 40.000 | 35.762 | 10.6 | 98 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 49.157 | -22.9# | 150 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 35.816 | 10.5 | 95 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 35.972 | 10.1 | 97 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 39.757 | 0.6 | 101 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 36.172 | 9.6 | 99 | 0.00 |
| 31 | | Naphthalene | 40.000 | 35.823 | 10.4 | 99 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 48.479 | -21.2 | 146 | 0.00 |
| 33 | | 4-Chloroaniline | 40.000 | 36.373 | 9.1 | 99 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 36.683 | 8.3 | 101 | 0.00 |
| 35 | | Caprolactam | 40.000 | 40.950 | -2.4 | 103 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 38.104 | 4.7 | 101 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 35.804 | 10.5 | 98 | 0.00 |
| 38 | | 1-Methylnaphthalene | 40.000 | 36.351 | 9.1 | 99 | 0.00 |
| 39 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 98 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 37.874 | 5.3 | 102 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 40.000 | 45.410 | -13.5 | 110 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 80.000 | 91.942 | -14.9 | 111 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 40.000 | 42.219 | -5.5 | 103 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 40.000 | 44.178 | -10.4 | 109 | 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 | 72.408 | 9.5 | 100 | 0.00 |
| 46 | | 1,1'-Biphenyl | 40.000 | 37.032 | 7.4 | 100 | 0.00 |
| 47 | | 2-Chloronaphthalene | 40.000 | 37.105 | 7.2 | 100 | 0.00 |
| 48 | | 2-Nitroaniline | 40.000 | 42.829 | -7.1 | 120 | 0.00 |
| 49 | | Acenaphthylene | 40.000 | 37.674 | 5.8 | 101 | 0.00 |
| 50 | | Dimethylphthalate | 40.000 | 39.111 | 2.2 | 105 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 40.000 | 44.173 | -10.4 | 123 | 0.00 |
| 52 | C | Acenaphthene | 40.000 | 36.001 | 10.0 | 98 | 0.00 |
| 53 | | 3-Nitroaniline | 40.000 | 43.433 | -8.6 | 117 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 40.000 | 53.488 | -33.7# | 181 | 0.00 |
| 55 | | Dibenzofuran | 40.000 | 35.858 | 10.4 | 97 | 0.00 |
| 56 | P | 4-Nitrophenol | 40.000 | 42.929 | -7.3 | 118 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 40.000 | 44.920 | -12.3 | 130 | 0.00 |
| 58 | | Fluorene | 40.000 | 35.384 | 11.5 | 98 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 43.831 | -9.6 | 105 | 0.00 |
| 60 | | Diethylphthalate | 40.000 | 36.617 | 8.5 | 97 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 40.000 | 35.691 | 10.8 | 99 | 0.00 |
| 62 | | 4-Nitroaniline | 40.000 | 42.000 | -5.0 | 113 | 0.00 |
| 63 | | Azobenzene | 40.000 | 35.426 | 11.4 | 96 | 0.00 |
| 64 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 101 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 40.000 | 52.788 | -32.0# | 176 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 40.000 | 35.831 | 10.4 | 98 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 40.000 | 36.767 | 8.1 | 101 | 0.00 |
| 68 | | Hexachlorobenzene | 40.000 | 36.860 | 7.9 | 102 | 0.00 |
| 69 | | Atrazine | 40.000 | 37.782 | 5.5 | 101 | 0.00 |
| 70 | C | Pentachlorophenol | 40.000 | 46.634 | -16.6 | 110 | 0.00 |
| 71 | | Phenanthrene | 40.000 | 34.863 | 12.8 | 98 | 0.00 |
| 72 | | Anthracene | 40.000 | 35.712 | 10.7 | 100 | 0.00 |
| 73 | | Carbazole | 40.000 | 35.747 | 10.6 | 100 | 0.00 |
| 74 | | Di-n-butylphthalate | 40.000 | 37.415 | 6.5 | 102 | 0.00 |
| 75 | C | Fluoranthene | 40.000 | 37.316 | 6.7 | 105 | 0.00 |
| 76 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 110 | 0.00 |
| 77 | | Benzidine | 40.000 | 40.617 | -1.5 | 118 | 0.00 |
| 78 | | Pyrene | 40.000 | 35.372 | 11.6 | 105 | 0.00 |
| 79 | S | Terphenyl-d14 | 80.000 | 67.676 | 15.4 | 107 | 0.00 |
| 80 | | Butylbenzylphthalate | 40.000 | 40.912 | -2.3 | 110 | 0.00 |
| 81 | | Benzo(a)anthracene | 40.000 | 35.437 | 11.4 | 110 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 40.000 | 39.818 | 0.5 | 116 | 0.00 |
| 83 | | Chrysene | 40.000 | 35.499 | 11.3 | 108 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 40.000 | 38.965 | 2.6 | 112 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 40.000 | 40.836 | -2.1 | 111 | 0.00 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 104 | 0.00 |
| 87 | | Indeno(1,2,3-cd)pyrene | 40.000 | 33.480 | 16.3 | 101 | 0.00 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(b)fluoranthene | 40.000 | 35.397 | 11.5 | 101 | 0.00 |
| 89 | Benzo(k)fluoranthene | 40.000 | 33.884 | 15.3 | 103 | 0.00 |
| 90 C | Benzo(a)pyrene | 40.000 | 34.346 | 14.1 | 101 | 0.00 |
| 91 | Dibenzo(a,h)anthracene | 40.000 | 33.122 | 17.2 | 99 | 0.00 |
| 92 | Benzo(g,h,i)perylene | 40.000 | 33.497 | 16.3 | 102 | 0.00 |

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