# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA P\Data\BP072320\
Data File : BP002837.D
Acq On : 23 Jul 2020 13:06
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_P
**LabSampleId :** SSTDCCC040

Quant Time: Jul 23 15:17:58 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP071020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 13 10:54:03 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 | 96 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 43.722 | -9.3 | 109 | -0.01 |
| 3 | | Pyridine | 40.000 | 40.168 | -0.4 | 98 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 42.628 | -6.6 | 104 | 0.00 |
| 5 | S | 2-Fluorophenol | 80.000 | 80.028 | -0.0 | 99 | -0.01 |
| 6 | | Aniline | 40.000 | 37.120 | 7.2 | 91 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 74.560 | 6.8 | 92 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 37.421 | 6.4 | 92 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 38.777 | 3.1 | 107 | -0.01 |
| 10 | C | Phenol | 40.000 | 37.483 | 6.3 | 92 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 37.455 | 6.4 | 93 | -0.01 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 38.486 | 3.8 | 96 | -0.01 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 38.489 | 3.8 | 96 | -0.01 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 37.047 | 7.4 | 92 | -0.01 |
| 15 | | Benzyl Alcohol | 40.000 | 40.519 | -1.3 | 96 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 37.336 | 6.7 | 93 | -0.01 |
| 17 | | 2-Methylphenol | 40.000 | 37.242 | 6.9 | 90 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 41.091 | -2.7 | 102 | -0.02 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 35.982 | 10.0 | 87 | -0.01 |
| 20 | | 3+4-Methylphenols | 40.000 | 36.528 | 8.7 | 89 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 88 | -0.01 |
| 22 | | Acetophenone | 40.000 | 38.624 | 3.4 | 86 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 83.379 | -4.2 | 92 | -0.01 |
| 24 | | Nitrobenzene | 40.000 | 41.890 | -4.7 | 93 | -0.01 |
| 25 | | Isophorone | 40.000 | 39.532 | 1.2 | 88 | -0.01 |
| 26 | C | 2-Nitrophenol | 40.000 | 43.683 | -9.2 | 94 | -0.01 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 39.850 | 0.4 | 89 | -0.01 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 39.801 | 0.5 | 89 | -0.01 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 41.082 | -2.7 | 90 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 40.336 | -0.8 | 91 | -0.01 |
| 31 | | Naphthalene | 40.000 | 38.777 | 3.1 | 88 | -0.01 |
| 32 | | Benzoic acid | 40.000 | 29.241 | 26.9# | 66 | 0.02 |
| 33 | | 4-Chloroaniline | 40.000 | 39.004 | 2.5 | 86 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 41.791 | -4.5 | 94 | -0.02 |
| 35 | | Caprolactam | 40.000 | 36.130 | 9.7 | 81 | 0.01 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 38.615 | 3.5 | 85 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 37.770 | 5.6 | 85 | 0.00 |
| 38 | | 1-Methylnaphthalene | 40.000 | 37.164 | 7.1 | 84 | -0.01 |
| 39 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 79 | -0.01 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 42.228 | -5.6 | 86 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 40.000 | 48.673 | -21.7 | 110 | -0.01 |
| 42 | S | 2,4,6-Tribromophenol | 80.000 | 77.420 | 3.2 | 74 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 40.000 | 41.982 | -5.0 | 81 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 40.000 | 40.376 | -0.9 | 78 | 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 | 80.034 | -0.0 | 80 | -0.01 |
| 46 | | 1,1'-Biphenyl | 40.000 | 40.448 | -1.1 | 81 | -0.01 |
| 47 | | 2-Chloronaphthalene | 40.000 | 40.371 | -0.9 | 81 | 0.00 |
| 48 | | 2-Nitroaniline | 40.000 | 44.383 | -11.0 | 85 | 0.00 |
| 49 | | Acenaphthylene | 40.000 | 39.207 | 2.0 | 78 | 0.00 |
| 50 | | Dimethylphthalate | 40.000 | 38.210 | 4.5 | 77 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 40.000 | 39.798 | 0.5 | 77 | 0.00 |
| 52 | C | Acenaphthene | 40.000 | 38.919 | 2.7 | 78 | -0.01 |
| 53 | | 3-Nitroaniline | 40.000 | 40.200 | -0.5 | 77 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 40.000 | 47.181 | -18.0 | 117 | 0.00 |
| 55 | | Dibenzofuran | 40.000 | 37.969 | 5.1 | 77 | 0.00 |
| 56 | P | 4-Nitrophenol | 40.000 | 38.930 | 2.7 | 81 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 40.000 | 38.492 | 3.8 | 72 | 0.00 |
| 58 | | Fluorene | 40.000 | 36.365 | 9.1 | 72 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 37.092 | 7.3 | 73 | 0.00 |
| 60 | | Diethylphthalate | 40.000 | 37.427 | 6.4 | 75 | -0.01 |
| 61 | | 4-Chlorophenyl-phenylether | 40.000 | 37.079 | 7.3 | 73 | 0.00 |
| 62 | | 4-Nitroaniline | 40.000 | 36.600 | 8.5 | 73 | 0.00 |
| 63 | | Azobenzene | 40.000 | 39.167 | 2.1 | 78 | -0.01 |
| 64 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 72 | -0.01 |
| 65 | | 4,6-Dinitro-2-methylphenol | 40.000 | 39.873 | 0.3 | 75 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 40.000 | 40.913 | -2.3 | 73 | -0.01 |
| 67 | | 4-Bromophenyl-phenylether | 40.000 | 42.517 | -6.3 | 76 | -0.01 |
| 68 | | Hexachlorobenzene | 40.000 | 40.094 | -0.2 | 72 | 0.00 |
| 69 | | Atrazine | 40.000 | 35.416 | 11.5 | 61 | -0.01 |
| 70 | C | Pentachlorophenol | 40.000 | 37.606 | 6.0 | 72 | 0.00 |
| 71 | | Phenanthrene | 40.000 | 38.776 | 3.1 | 70 | 0.00 |
| 72 | | Anthracene | 40.000 | 40.043 | -0.1 | 71 | -0.01 |
| 73 | | Carbazole | 40.000 | 37.709 | 5.7 | 67 | -0.01 |
| 74 | | Di-n-butylphthalate | 40.000 | 41.065 | -2.7 | 71 | -0.01 |
| 75 | C | Fluoranthene | 40.000 | 37.040 | 7.4 | 65 | 0.00 |
| 76 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 55 | 0.00 |
| 77 | | Benzidine | 40.000 | 43.361 | -8.4 | 57 | 0.00 |
| 78 | | Pyrene | 40.000 | 45.902 | -14.8 | 63 | -0.01 |
| 79 | S | Terphenyl-d14 | 80.000 | 89.083 | -11.4 | 62 | 0.00 |
| 80 | | Butylbenzylphthalate | 40.000 | 49.258 | -23.1 | 65 | 0.00 |
| 81 | | Benzo(a)anthracene | 40.000 | 40.257 | -0.6 | 55 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 40.000 | 44.151 | -10.4 | 57 | 0.00 |
| 83 | | Chrysene | 40.000 | 39.696 | 0.8 | 55 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 40.000 | 44.275 | -10.7 | 58 | -0.01 |
| 85 | c | Di-n-octyl phthalate | 40.000 | 44.163 | -10.4 | 59 | -0.02 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 54 | 0.00 |
| 87 | | Indeno(1,2,3-cd)pyrene | 40.000 | 43.511 | -8.8 | 57 | 0.00 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(b)fluoranthene | 40.000 | 41.593 | -4.0 | 55 | -0.01 |
| 89 | Benzo(k)fluoranthene | 40.000 | 39.962 | 0.1 | 53 | 0.00 |
| 90 C | Benzo(a)pyrene | 40.000 | 41.146 | -2.9 | 54 | 0.00 |
| 91 | Dibenzo(a,h)anthracene | 40.000 | 43.640 | -9.1 | 56 | 0.00 |
| 92 | Benzo(g,h,i)perylene | 40.000 | 44.208 | -10.5 | 59 | 0.00 |

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