# Evaluate Continuing Calibration Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101519\
Data File : BG043214.D
Acq On : 15 Oct 2019 12:09
Operator : JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_G
**LabSampleId :** SSTDCCC040

Quant Time: Oct 15 12:47:08 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 09 01:11:45 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 | 108 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 36.306 | 9.2 | 107 | 0.00 |
| 3 | | Pyridine | 40.000 | 35.705 | 10.7 | 98 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 36.704 | 8.2 | 100 | 0.00 |
| 5 | S | 2-Fluorophenol | 80.000 | 83.309 | -4.1 | 117 | 0.00 |
| 6 | | Aniline | 40.000 | 40.397 | -1.0 | 111 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 83.432 | -4.3 | 113 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 43.451 | -8.6 | 119 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 39.510 | 1.2 | 100 | 0.00 |
| 10 | C | Phenol | 40.000 | 41.504 | -3.8 | 114 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 40.811 | -2.0 | 113 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 42.706 | -6.8 | 119 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 42.540 | -6.3 | 118 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 42.990 | -7.5 | 120 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 40.692 | -1.7 | 109 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 32.198 | 19.5 | 88 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 41.729 | -4.3 | 111 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 42.518 | -6.3 | 120 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 39.732 | 0.7 | 107 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 42.255 | -5.6 | 114 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 103 | 0.00 |
| 22 | | Acetophenone | 40.000 | 43.531 | -8.8 | 104 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 81.881 | -2.4 | 106 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 40.579 | -1.4 | 107 | 0.00 |
| 25 | | Isophorone | 40.000 | 41.413 | -3.5 | 107 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 47.045 | -17.6 | 125 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 41.957 | -4.9 | 111 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 41.511 | -3.8 | 107 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 44.782 | -12.0 | 115 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 43.032 | -7.6 | 115 | 0.00 |
| 31 | | Naphthalene | 40.000 | 43.018 | -7.5 | 114 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 38.021 | 4.9 | 82 | 0.03 |
| 33 | | 4-Chloroaniline | 40.000 | 41.356 | -3.4 | 106 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 42.608 | -6.5 | 114 | 0.00 |
| 35 | | Caprolactam | 40.000 | 40.753 | -1.9 | 105 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 41.921 | -4.8 | 106 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 43.197 | -8.0 | 112 | 0.00 |
| 38 | | 1-Methylnaphthalene | 40.000 | 42.527 | -6.3 | 113 | 0.00 |
| 39 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 95 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 47.163 | -17.9 | 102 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 40.000 | 47.873 | -19.7 | 117 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 80.000 | 89.189 | -11.5 | 111 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 40.000 | 43.501 | -8.8 | 107 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 40.000 | 44.038 | -10.1 | 109 | 0.00 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | S | 2-Fluorobiphenyl | 80.000 | 89.492 | -11.9 | 109 | 0.00 |
| 46 | | 1,1'-Biphenyl | 40.000 | 45.520 | -13.8 | 101 | 0.00 |
| 47 | | 2-Chloronaphthalene | 40.000 | 44.326 | -10.8 | 109 | 0.00 |
| 48 | | 2-Nitroaniline | 40.000 | 41.141 | -2.9 | 101 | 0.00 |
| 49 | | Acenaphthylene | 40.000 | 43.774 | -9.4 | 108 | 0.00 |
| 50 | | Dimethylphthalate | 40.000 | 42.559 | -6.4 | 105 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 40.000 | 43.588 | -9.0 | 107 | 0.00 |
| 52 | C | Acenaphthene | 40.000 | 40.556 | -1.4 | 97 | 0.00 |
| 53 | | 3-Nitroaniline | 40.000 | 42.795 | -7.0 | 105 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 40.000 | 43.816 | -9.5 | 108 | 0.00 |
| 55 | | Dibenzofuran | 40.000 | 42.772 | -6.9 | 105 | 0.00 |
| 56 | P | 4-Nitrophenol | 40.000 | 37.100 | 7.2 | 89 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 40.000 | 42.282 | -5.7 | 103 | 0.00 |
| 58 | | Fluorene | 40.000 | 41.798 | -4.5 | 103 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 40.351 | -0.9 | 99 | 0.00 |
| 60 | | Diethylphthalate | 40.000 | 40.997 | -2.5 | 101 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 40.000 | 41.429 | -3.6 | 103 | 0.00 |
| 62 | | 4-Nitroaniline | 40.000 | 40.178 | -0.4 | 101 | 0.00 |
| 63 | | Azobenzene | 40.000 | 38.069 | 4.8 | 93 | 0.00 |
| 64 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 89 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 40.000 | 45.024 | -12.6 | 98 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 40.000 | 46.608 | -16.5 | 103 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 40.000 | 46.548 | -16.4 | 101 | 0.00 |
| 68 | | Hexachlorobenzene | 40.000 | 47.234 | -18.1 | 105 | 0.00 |
| 69 | | Atrazine | 40.000 | 40.288 | -0.7 | 86 | 0.00 |
| 70 | C | Pentachlorophenol | 40.000 | 41.735 | -4.3 | 91 | 0.00 |
| 71 | | Phenanthrene | 40.000 | 43.714 | -9.3 | 96 | 0.00 |
| 72 | | Anthracene | 40.000 | 44.845 | -12.1 | 98 | 0.00 |
| 73 | | Carbazole | 40.000 | 43.245 | -8.1 | 96 | 0.00 |
| 74 | | Di-n-butylphthalate | 40.000 | 43.564 | -8.9 | 95 | 0.00 |
| 75 | C | Fluoranthene | 40.000 | 41.699 | -4.2 | 92 | 0.00 |
| 76 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 88 | 0.01 |
| 77 | | Benzidine | 40.000 | 39.005 | 2.5 | 81 | 0.00 |
| 78 | | Pyrene | 40.000 | 42.273 | -5.7 | 92 | 0.00 |
| 79 | S | Terphenyl-d14 | 80.000 | 91.414 | -14.3 | 95 | 0.00 |
| 80 | | Butylbenzylphthalate | 40.000 | 44.705 | -11.8 | 98 | 0.00 |
| 81 | | Benzo(a)anthracene | 40.000 | 43.502 | -8.8 | 96 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 40.000 | 46.107 | -15.3 | 100 | 0.01 |
| 83 | | Chrysene | 40.000 | 43.473 | -8.7 | 96 | 0.01 |
| 84 | | Bis(2-ethylhexyl)phthalate | 40.000 | 45.084 | -12.7 | 101 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 40.000 | 47.126 | -17.8 | 105 | 0.00 |
| 86 | | Indeno(1,2,3-cd)pyrene | 40.000 | 46.194 | -15.5 | 103 | 0.02 |
| 87 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 93 | 0.01 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(b)fluoranthene | 40.000 | 41.916 | -4.8 | 99 | 0.01 |
| 89 | Benzo(k)fluoranthene | 40.000 | 42.347 | -5.9 | 100 | 0.01 |
| 90 C | Benzo(a)pyrene | 40.000 | 42.487 | -6.2 | 101 | 0.02 |
| 91 | Dibenzo(a,h)anthracene | 40.000 | 44.424 | -11.1 | 105 | 0.03 |
| 92 | Benzo(g,h,i)perylene | 40.000 | 43.968 | -9.9 | 105 | 0.03 |

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