# Evaluate Continuing Calibration Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061919\
Data File : BG041339.D
Acq On : 19 Jun 2019 23:56
Operator : HP/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jun 20 00:57:10 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG061719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 17 14:58:02 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 | 127 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 33.648 | 15.9 | 113 | 0.00 |
| 3 | | Pyridine | 40.000 | 36.470 | 8.8 | 114 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 36.305 | 9.2 | 114 | 0.00 |
| 5 | S | 2-Fluorophenol | 80.000 | 80.724 | -0.9 | 126 | 0.00 |
| 6 | | Aniline | 40.000 | 39.650 | 0.9 | 121 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 80.682 | -0.9 | 124 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 40.519 | -1.3 | 124 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 41.615 | -4.0 | 133 | 0.00 |
| 10 | C | Phenol | 40.000 | 40.470 | -1.2 | 123 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 38.161 | 4.6 | 116 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 40.983 | -2.5 | 127 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 40.694 | -1.7 | 127 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 40.139 | -0.3 | 126 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 36.599 | 8.5 | 113 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 38.050 | 4.9 | 115 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 41.357 | -3.4 | 127 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 37.475 | 6.3 | 119 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 36.759 | 8.1 | 111 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 41.007 | -2.5 | 123 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 120 | 0.00 |
| 22 | | Acetophenone | 40.000 | 38.362 | 4.1 | 117 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 79.887 | 0.1 | 121 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 39.331 | 1.7 | 118 | 0.00 |
| 25 | | Isophorone | 40.000 | 37.213 | 7.0 | 111 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 39.874 | 0.3 | 121 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 41.372 | -3.4 | 127 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 38.310 | 4.2 | 112 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 41.969 | -4.9 | 123 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 40.753 | -1.9 | 122 | 0.00 |
| 31 | | Naphthalene | 40.000 | 39.939 | 0.2 | 119 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 39.255 | 1.9 | 108 | 0.00 |
| 33 | | 4-Chloroaniline | 40.000 | 40.399 | -1.0 | 120 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 40.248 | -0.6 | 126 | 0.00 |
| 35 | | Caprolactam | 40.000 | 36.496 | 8.8 | 112 | 0.02 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 39.176 | 2.1 | 117 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 39.620 | 1.0 | 118 | 0.00 |
| 38 | | 1-Methylnaphthalene | 40.000 | 39.306 | 1.7 | 118 | 0.00 |
| 39 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 111 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 43.137 | -7.8 | 119 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 40.000 | 11.892 | 70.3# | 32 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 80.000 | 79.421 | 0.7 | 110 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 40.000 | 43.544 | -8.9 | 121 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 40.000 | 41.585 | -4.0 | 112 | 0.00 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | S | 2-Fluorobiphenyl | 80.000 | 82.831 | -3.5 | 113 | 0.00 |
| 46 | | 1,1'-Biphenyl | 40.000 | 41.416 | -3.5 | 115 | 0.00 |
| 47 | | 2-Chloronaphthalene | 40.000 | 41.695 | -4.2 | 116 | 0.00 |
| 48 | | 2-Nitroaniline | 40.000 | 41.141 | -2.9 | 112 | 0.00 |
| 49 | | Acenaphthylene | 40.000 | 40.267 | -0.7 | 112 | 0.00 |
| 50 | | Dimethylphthalate | 40.000 | 37.957 | 5.1 | 105 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 40.000 | 38.660 | 3.4 | 108 | 0.00 |
| 52 | C | Acenaphthene | 40.000 | 40.533 | -1.3 | 113 | 0.00 |
| 53 | | 3-Nitroaniline | 40.000 | 41.071 | -2.7 | 113 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 40.000 | 12.600 | 68.5# | 25 | 0.00 |
| 55 | | Dibenzofuran | 40.000 | 39.774 | 0.6 | 109 | 0.00 |
| 56 | P | 4-Nitrophenol | 40.000 | 38.196 | 4.5 | 103 | 0.02 |
| 57 | | 2,4-Dinitrotoluene | 40.000 | 38.466 | 3.8 | 108 | 0.00 |
| 58 | | Fluorene | 40.000 | 39.675 | 0.8 | 110 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 40.461 | -1.2 | 109 | 0.00 |
| 60 | | Diethylphthalate | 40.000 | 38.124 | 4.7 | 106 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 40.000 | 39.747 | 0.6 | 110 | 0.00 |
| 62 | | 4-Nitroaniline | 40.000 | 39.595 | 1.0 | 111 | 0.00 |
| 63 | | Azobenzene | 40.000 | 38.336 | 4.2 | 106 | 0.00 |
| 64 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 101 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 40.000 | 12.069 | 69.8# | 29 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 40.000 | 43.320 | -8.3 | 108 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 40.000 | 42.651 | -6.6 | 108 | 0.00 |
| 68 | | Hexachlorobenzene | 40.000 | 41.057 | -2.6 | 103 | 0.00 |
| 69 | | Atrazine | 40.000 | 41.854 | -4.6 | 99 | 0.00 |
| 70 | C | Pentachlorophenol | 40.000 | 42.892 | -7.2 | 102 | 0.00 |
| 71 | | Phenanthrene | 40.000 | 41.012 | -2.5 | 103 | 0.00 |
| 72 | | Anthracene | 40.000 | 41.465 | -3.7 | 104 | 0.00 |
| 73 | | Carbazole | 40.000 | 41.269 | -3.2 | 104 | 0.00 |
| 74 | | Di-n-butylphthalate | 40.000 | 40.488 | -1.2 | 101 | 0.00 |
| 75 | C | Fluoranthene | 40.000 | 38.016 | 5.0 | 95 | 0.00 |
| 76 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 95 | 0.00 |
| 77 | | Benzidine | 40.000 | 46.733 | -16.8 | 105 | 0.00 |
| 78 | | Pyrene | 40.000 | 42.403 | -6.0 | 96 | 0.00 |
| 79 | S | Terphenyl-d14 | 80.000 | 84.908 | -6.1 | 95 | 0.00 |
| 80 | | Butylbenzylphthalate | 40.000 | 41.852 | -4.6 | 97 | 0.00 |
| 81 | | Benzo(a)anthracene | 40.000 | 41.583 | -4.0 | 96 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 40.000 | 43.465 | -8.7 | 100 | 0.00 |
| 83 | | Chrysene | 40.000 | 41.324 | -3.3 | 95 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 40.000 | 42.088 | -5.2 | 96 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 40.000 | 42.500 | -6.3 | 99 | 0.00 |
| 86 | | Indeno(1,2,3-cd)pyrene | 40.000 | 25.834 | 35.4# | 60 | 0.03 |
| 87 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 87 | 0.02 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(b)fluoranthene | 40.000 | 40.727 | -1.8 | 88 | 0.01 |
| 89 | Benzo(k)fluoranthene | 40.000 | 44.972 | -12.4 | 96 | 0.02 |
| 90 C | Benzo(a)pyrene | 40.000 | 40.961 | -2.4 | 88 | 0.02 |
| 91 | Dibenzo(a,h)anthracene | 40.000 | 29.339 | 26.7# | 64 | 0.03 |
| 92 | Benzo(g,h,i)perylene | 40.000 | 22.255 | 44.4# | 48 | 0.03 |

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