# Evaluate Continuing Calibration Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062920\
Data File : BG045876.D
Acq On : 29 Jun 2020 14:54
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jun 29 17:10:07 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG061520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 25 15:44:32 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 | 93 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 36.436 | 8.9 | 81 | -0.01 |
| 3 | | Pyridine | 40.000 | 36.670 | 8.3 | 80 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 38.574 | 3.6 | 85 | 0.00 |
| 5 | S | 2-Fluorophenol | 80.000 | 75.038 | 6.2 | 82 | 0.00 |
| 6 | | Aniline | 40.000 | 39.026 | 2.4 | 85 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 78.113 | 2.4 | 85 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 38.875 | 2.8 | 87 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 34.180 | 14.6 | 76 | 0.00 |
| 10 | C | Phenol | 40.000 | 37.781 | 5.5 | 83 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 37.627 | 5.9 | 84 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 38.870 | 2.8 | 86 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 38.156 | 4.6 | 83 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 38.241 | 4.4 | 85 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 38.827 | 2.9 | 85 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 38.717 | 3.2 | 87 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 38.800 | 3.0 | 85 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 40.161 | -0.4 | 88 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 38.722 | 3.2 | 85 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 39.218 | 2.0 | 85 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 98 | 0.00 |
| 22 | | Acetophenone | 40.000 | 38.079 | 4.8 | 86 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 76.320 | 4.6 | 86 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 38.089 | 4.8 | 85 | 0.00 |
| 25 | | Isophorone | 40.000 | 38.941 | 2.6 | 87 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 38.991 | 2.5 | 85 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 38.399 | 4.0 | 88 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 38.577 | 3.6 | 87 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 38.829 | 2.9 | 87 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 38.736 | 3.2 | 88 | 0.00 |
| 31 | | Naphthalene | 40.000 | 38.006 | 5.0 | 85 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 40.135 | -0.3 | 101 | -0.03 |
| 33 | | 4-Chloroaniline | 40.000 | 38.849 | 2.9 | 87 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 39.009 | 2.5 | 87 | 0.00 |
| 35 | | Caprolactam | 40.000 | 42.248 | -5.6 | 96 | -0.01 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 39.136 | 2.2 | 89 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 38.279 | 4.3 | 87 | 0.00 |
| 38 | | 1-Methylnaphthalene | 40.000 | 38.332 | 4.2 | 86 | 0.00 |
| 39 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 97 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 39.080 | 2.3 | 87 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 40.000 | 52.580 | -31.4# | 132 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 80.000 | 79.154 | 1.1 | 91 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 40.000 | 38.104 | 4.7 | 86 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 40.000 | 37.558 | 6.1 | 84 | 0.00 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | S | 2-Fluorobiphenyl | 80.000 | 79.085 | 1.1 | 88 | 0.00 |
| 46 | | 1,1'-Biphenyl | 40.000 | 38.184 | 4.5 | 86 | 0.00 |
| 47 | | 2-Chloronaphthalene | 40.000 | 38.731 | 3.2 | 88 | 0.00 |
| 48 | | 2-Nitroaniline | 40.000 | 40.868 | -2.2 | 91 | 0.00 |
| 49 | | Acenaphthylene | 40.000 | 39.533 | 1.2 | 89 | 0.00 |
| 50 | | Dimethylphthalate | 40.000 | 39.995 | 0.0 | 91 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 40.000 | 41.206 | -3.0 | 93 | 0.00 |
| 52 | C | Acenaphthene | 40.000 | 39.332 | 1.7 | 90 | 0.00 |
| 53 | | 3-Nitroaniline | 40.000 | 41.046 | -2.6 | 94 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 40.000 | 57.631 | -44.1# | 164 | 0.00 |
| 55 | | Dibenzofuran | 40.000 | 39.989 | 0.0 | 90 | 0.00 |
| 56 | P | 4-Nitrophenol | 40.000 | 46.217 | -15.5 | 111 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 40.000 | 40.445 | -1.1 | 91 | 0.00 |
| 58 | | Fluorene | 40.000 | 40.519 | -1.3 | 91 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 38.435 | 3.9 | 86 | 0.00 |
| 60 | | Diethylphthalate | 40.000 | 41.268 | -3.2 | 93 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 40.000 | 40.385 | -1.0 | 91 | 0.00 |
| 62 | | 4-Nitroaniline | 40.000 | 41.686 | -4.2 | 93 | 0.00 |
| 63 | | Azobenzene | 40.000 | 40.556 | -1.4 | 93 | 0.00 |
| 64 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 102 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 40.000 | 42.401 | -6.0 | 100 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 40.000 | 38.291 | 4.3 | 91 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 40.000 | 38.502 | 3.7 | 91 | 0.00 |
| 68 | | Hexachlorobenzene | 40.000 | 38.816 | 3.0 | 94 | 0.00 |
| 69 | | Atrazine | 40.000 | 37.933 | 5.2 | 90 | 0.00 |
| 70 | C | Pentachlorophenol | 40.000 | 34.665 | 13.3 | 82 | 0.00 |
| 71 | | Phenanthrene | 40.000 | 39.122 | 2.2 | 93 | 0.00 |
| 72 | | Anthracene | 40.000 | 39.388 | 1.5 | 93 | 0.00 |
| 73 | | Carbazole | 40.000 | 39.928 | 0.2 | 94 | 0.00 |
| 74 | | Di-n-butylphthalate | 40.000 | 41.113 | -2.8 | 96 | 0.00 |
| 75 | C | Fluoranthene | 40.000 | 40.542 | -1.4 | 96 | 0.00 |
| 76 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 105 | 0.00 |
| 77 | | Benzidine | 40.000 | 38.745 | 3.1 | 89 | 0.00 |
| 78 | | Pyrene | 40.000 | 39.710 | 0.7 | 95 | 0.00 |
| 79 | S | Terphenyl-d14 | 80.000 | 81.318 | -1.6 | 96 | 0.00 |
| 80 | | Butylbenzylphthalate | 40.000 | 39.874 | 0.3 | 96 | 0.00 |
| 81 | | Benzo(a)anthracene | 40.000 | 39.478 | 1.3 | 96 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 40.000 | 38.509 | 3.7 | 93 | 0.00 |
| 83 | | Chrysene | 40.000 | 38.966 | 2.6 | 94 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 40.000 | 39.807 | 0.5 | 96 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 40.000 | 38.731 | 3.2 | 94 | 0.00 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 100 | 0.00 |
| 87 | | Indeno(1,2,3-cd)pyrene | 40.000 | 40.760 | -1.9 | 95 | 0.00 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(b)fluoranthene | 40.000 | 40.125 | -0.3 | 93 | 0.00 |
| 89 | Benzo(k)fluoranthene | 40.000 | 41.363 | -3.4 | 95 | 0.00 |
| 90 C | Benzo(a)pyrene | 40.000 | 40.769 | -1.9 | 95 | 0.00 |
| 91 | Dibenzo(a,h)anthracene | 40.000 | 41.057 | -2.6 | 96 | 0.00 |
| 92 | Benzo(g,h,i)perylene | 40.000 | 40.520 | -1.3 | 95 | 0.00 |

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