# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG101519\
Data File : BG043244.D
Acq On : 16 Oct 2019 9:24
Operator : JU
Sample : SSTDCCC040
Misc :
ALS Vial : 30 Sample Multiplier: 1

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

Quant Time: Oct 16 10:46:02 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 | 115 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 35.179 | 12.1 | 110 | 0.00 |
| 3 | | Pyridine | 40.000 | 35.330 | 11.7 | 103 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 35.737 | 10.7 | 103 | 0.00 |
| 5 | S | 2-Fluorophenol | 80.000 | 82.483 | -3.1 | 122 | 0.00 |
| 6 | | Aniline | 40.000 | 39.414 | 1.5 | 114 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 82.087 | -2.6 | 118 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 42.654 | -6.6 | 124 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 40.151 | -0.4 | 107 | 0.00 |
| 10 | C | Phenol | 40.000 | 41.513 | -3.8 | 120 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 40.199 | -0.5 | 117 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 43.016 | -7.5 | 126 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 42.877 | -7.2 | 126 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 43.075 | -7.7 | 127 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 37.600 | 6.0 | 107 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 30.299 | 24.3 | 88 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 40.318 | -0.8 | 114 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 39.253 | 1.9 | 117 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 37.617 | 6.0 | 107 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 41.760 | -4.4 | 119 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 112 | 0.00 |
| 22 | | Acetophenone | 40.000 | 42.831 | -7.1 | 111 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 76.776 | 4.0 | 108 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 38.777 | 3.1 | 111 | 0.00 |
| 25 | | Isophorone | 40.000 | 38.161 | 4.6 | 107 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 43.517 | -8.8 | 125 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 40.152 | -0.4 | 116 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 39.003 | 2.5 | 109 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 43.546 | -8.9 | 121 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 41.791 | -4.5 | 121 | 0.00 |
| 31 | | Naphthalene | 40.000 | 42.355 | -5.9 | 122 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 38.710 | 3.2 | 91 | 0.03 |
| 33 | | 4-Chloroaniline | 40.000 | 39.701 | 0.7 | 110 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 41.715 | -4.3 | 121 | 0.00 |
| 35 | | Caprolactam | 40.000 | 38.162 | 4.6 | 106 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 41.406 | -3.5 | 114 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 41.784 | -4.5 | 118 | 0.00 |
| 38 | | 1-Methylnaphthalene | 40.000 | 41.180 | -2.9 | 119 | 0.00 |
| 39 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 102 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 47.229 | -18.1 | 109 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 40.000 | 15.258 | 61.9# | 40 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 80.000 | 88.397 | -10.5 | 118 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 40.000 | 43.508 | -8.8 | 114 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 40.000 | 42.389 | -6.0 | 113 | 0.00 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | S | 2-Fluorobiphenyl | 80.000 | 87.424 | -9.3 | 114 | 0.00 |
| 46 | | 1,1'-Biphenyl | 40.000 | 45.315 | -13.3 | 108 | 0.00 |
| 47 | | 2-Chloronaphthalene | 40.000 | 43.112 | -7.8 | 114 | 0.00 |
| 48 | | 2-Nitroaniline | 40.000 | 39.269 | 1.8 | 104 | 0.00 |
| 49 | | Acenaphthylene | 40.000 | 42.599 | -6.5 | 113 | 0.00 |
| 50 | | Dimethylphthalate | 40.000 | 40.812 | -2.0 | 108 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 40.000 | 41.968 | -4.9 | 110 | 0.00 |
| 52 | C | Acenaphthene | 40.000 | 39.014 | 2.5 | 100 | 0.00 |
| 53 | | 3-Nitroaniline | 40.000 | 41.422 | -3.6 | 109 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 40.000 | 10.410 | 74.0# | 28 | 0.01 |
| 55 | | Dibenzofuran | 40.000 | 41.786 | -4.5 | 110 | 0.00 |
| 56 | P | 4-Nitrophenol | 40.000 | 36.358 | 9.1 | 94 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 40.000 | 40.341 | -0.9 | 106 | 0.00 |
| 58 | | Fluorene | 40.000 | 40.415 | -1.0 | 106 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 40.264 | -0.7 | 106 | 0.00 |
| 60 | | Diethylphthalate | 40.000 | 39.812 | 0.5 | 105 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 40.000 | 40.254 | -0.6 | 108 | 0.00 |
| 62 | | 4-Nitroaniline | 40.000 | 41.105 | -2.8 | 111 | 0.00 |
| 63 | | Azobenzene | 40.000 | 36.527 | 8.7 | 96 | 0.00 |
| 64 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 97 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 40.000 | 14.330 | 64.2# | 34 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 40.000 | 44.909 | -12.3 | 108 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 40.000 | 44.301 | -10.8 | 105 | 0.00 |
| 68 | | Hexachlorobenzene | 40.000 | 45.374 | -13.4 | 110 | 0.00 |
| 69 | | Atrazine | 40.000 | 38.449 | 3.9 | 89 | 0.00 |
| 70 | C | Pentachlorophenol | 40.000 | 39.550 | 1.1 | 94 | 0.00 |
| 71 | | Phenanthrene | 40.000 | 42.327 | -5.8 | 101 | 0.00 |
| 72 | | Anthracene | 40.000 | 42.834 | -7.1 | 102 | 0.00 |
| 73 | | Carbazole | 40.000 | 41.936 | -4.8 | 101 | 0.00 |
| 74 | | Di-n-butylphthalate | 40.000 | 41.745 | -4.4 | 99 | 0.00 |
| 75 | C | Fluoranthene | 40.000 | 40.570 | -1.4 | 98 | 0.00 |
| 76 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 95 | 0.01 |
| 77 | | Benzidine | 40.000 | 43.532 | -8.8 | 98 | 0.00 |
| 78 | | Pyrene | 40.000 | 41.723 | -4.3 | 97 | 0.00 |
| 79 | S | Terphenyl-d14 | 80.000 | 89.090 | -11.4 | 99 | 0.00 |
| 80 | | Butylbenzylphthalate | 40.000 | 44.166 | -10.4 | 105 | 0.00 |
| 81 | | Benzo(a)anthracene | 40.000 | 42.362 | -5.9 | 101 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 40.000 | 44.296 | -10.7 | 103 | 0.00 |
| 83 | | Chrysene | 40.000 | 41.943 | -4.9 | 100 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 40.000 | 43.823 | -9.6 | 105 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 40.000 | 45.238 | -13.1 | 108 | 0.00 |
| 86 | | Indeno(1,2,3-cd)pyrene | 40.000 | 41.304 | -3.3 | 100 | 0.03 |
| 87 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 100 | 0.02 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(b)fluoranthene | 40.000 | 40.637 | -1.6 | 103 | 0.01 |
| 89 | Benzo(k)fluoranthene | 40.000 | 41.772 | -4.4 | 105 | 0.01 |
| 90 C | Benzo(a)pyrene | 40.000 | 42.101 | -5.3 | 107 | 0.02 |
| 91 | Dibenzo(a,h)anthracene | 40.000 | 40.072 | -0.2 | 102 | 0.04 |
| 92 | Benzo(g,h,i)perylene | 40.000 | 35.889 | 10.3 | 92 | 0.04 |

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