# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG082818\
Data File : BG036461.D
Acq On : 28 Aug 2018 17:01
Operator : JU/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Aug 28 17:46:01 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 23 12:07:02 2018
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 | 123 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 35.503 | 11.2 | 114 | 0.00 |
| 3 | | Pyridine | 40.000 | 36.804 | 8.0 | 112 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 33.414 | 16.5 | 103 | 0.00 |
| 5 | S | 2-Fluorophenol | 80.000 | 79.605 | 0.5 | 123 | 0.00 |
| 6 | | Aniline | 40.000 | 36.216 | 9.5 | 112 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 79.293 | 0.9 | 122 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 38.353 | 4.1 | 118 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 34.637 | 13.4 | 114 | 0.00 |
| 10 | C | Phenol | 40.000 | 39.542 | 1.1 | 122 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 36.354 | 9.1 | 114 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 37.155 | 7.1 | 117 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 37.383 | 6.5 | 117 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 36.679 | 8.3 | 116 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 37.201 | 7.0 | 113 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 33.163 | 17.1 | 104 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 38.223 | 4.4 | 119 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 36.959 | 7.6 | 114 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 34.047 | 14.9 | 107 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 38.458 | 3.9 | 119 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 126 | 0.00 |
| 22 | | Acetophenone | 40.000 | 35.619 | 11.0 | 112 | -0.01 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 79.836 | 0.2 | 122 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 37.703 | 5.7 | 115 | 0.00 |
| 25 | | Isophorone | 40.000 | 34.182 | 14.5 | 107 | -0.01 |
| 26 | C | 2-Nitrophenol | 40.000 | 41.679 | -4.2 | 130 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 37.136 | 7.2 | 117 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 35.588 | 11.0 | 112 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 41.730 | -4.3 | 128 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 38.013 | 5.0 | 121 | 0.00 |
| 31 | | Naphthalene | 40.000 | 36.758 | 8.1 | 115 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 38.356 | 4.1 | 123 | 0.00 |
| 33 | | 4-Chloroaniline | 40.000 | 37.156 | 7.1 | 115 | -0.01 |
| 34 | C | Hexachlorobutadiene | 40.000 | 38.762 | 3.1 | 120 | -0.01 |
| 35 | | Caprolactam | 40.000 | 37.191 | 7.0 | 112 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 38.673 | 3.3 | 119 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 36.923 | 7.7 | 115 | -0.01 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 122 | -0.01 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 38.972 | 2.6 | 119 | -0.01 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 35.642 | 10.9 | 107 | -0.01 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 85.857 | -7.3 | 124 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 41.888 | -4.7 | 126 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 42.092 | -5.2 | 125 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 78.671 | 1.7 | 122 | -0.01 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 40.000 | 36.824 | 7.9 | 115 | -0.01 |
| 46 | | 2-Chloronaphthalene | 40.000 | 37.816 | 5.5 | 116 | -0.01 |
| 47 | | 2-Nitroaniline | 40.000 | 40.543 | -1.4 | 117 | 0.00 |
| 48 | | Acenaphthylene | 40.000 | 37.169 | 7.1 | 114 | 0.00 |
| 49 | | Dimethylphthalate | 40.000 | 37.060 | 7.3 | 113 | -0.01 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 40.548 | -1.4 | 122 | 0.00 |
| 51 | C | Acenaphthene | 40.000 | 37.473 | 6.3 | 115 | 0.00 |
| 52 | | 3-Nitroaniline | 40.000 | 42.336 | -5.8 | 120 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 45.602 | -14.0 | 137 | 0.00 |
| 54 | | Dibenzofuran | 40.000 | 37.841 | 5.4 | 117 | 0.00 |
| 55 | P | 4-Nitrophenol | 40.000 | 39.440 | 1.4 | 114 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 42.206 | -5.5 | 126 | 0.00 |
| 57 | | Fluorene | 40.000 | 37.247 | 6.9 | 113 | -0.01 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 42.418 | -6.0 | 126 | 0.00 |
| 59 | | Diethylphthalate | 40.000 | 36.706 | 8.2 | 111 | -0.01 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 38.270 | 4.3 | 119 | -0.01 |
| 61 | | 4-Nitroaniline | 40.000 | 41.344 | -3.4 | 118 | 0.00 |
| 62 | | Azobenzene | 40.000 | 34.945 | 12.6 | 107 | 0.00 |
| 63 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 122 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 38.906 | 2.7 | 119 | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 36.635 | 8.4 | 115 | -0.01 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 38.654 | 3.4 | 119 | -0.01 |
| 67 | | Hexachlorobenzene | 40.000 | 38.436 | 3.9 | 118 | 0.00 |
| 68 | | Atrazine | 40.000 | 36.624 | 8.4 | 115 | -0.01 |
| 69 | C | Pentachlorophenol | 40.000 | 39.920 | 0.2 | 114 | 0.00 |
| 70 | | Phenanthrene | 40.000 | 36.989 | 7.5 | 114 | -0.01 |
| 71 | | Anthracene | 40.000 | 36.640 | 8.4 | 113 | 0.00 |
| 72 | | Carbazole | 40.000 | 36.977 | 7.6 | 113 | 0.00 |
| 73 | | Di-n-butylphthalate | 40.000 | 36.644 | 8.4 | 110 | -0.01 |
| 74 | C | Fluoranthene | 40.000 | 37.729 | 5.7 | 114 | -0.01 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 125 | 0.00 |
| 76 | | Benzidine | 40.000 | 32.843 | 17.9 | 110 | -0.01 |
| 77 | | Pyrene | 40.000 | 36.529 | 8.7 | 113 | 0.00 |
| 78 | S | Terphenyl-d14 | 80.000 | 76.101 | 4.9 | 120 | -0.01 |
| 79 | | Butylbenzylphthalate | 40.000 | 37.543 | 6.1 | 113 | -0.01 |
| 80 | | Benzo(a)anthracene | 40.000 | 36.761 | 8.1 | 117 | -0.01 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 37.082 | 7.3 | 113 | 0.00 |
| 82 | | Chrysene | 40.000 | 36.653 | 8.4 | 115 | 0.00 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 36.255 | 9.4 | 111 | -0.03 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 36.667 | 8.3 | 111 | -0.03 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 37.739 | 5.7 | 118 | -0.04 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 125 | -0.03 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 37.217 | 7.0 | 115 | -0.02 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 40.000 | 37.535 | 6.2 | 117 | -0.02 |
| 89 C | Benzo(a)pyrene | 40.000 | 37.291 | 6.8 | 116 | -0.02 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 37.255 | 6.9 | 116 | -0.06 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 37.461 | 6.3 | 116 | -0.04 |

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