# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF010719\
Data File : BF111878.D
Acq On : 7 Jan 2019 15:58
Operator : JU/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_F
**LabSampleId :** SSTDCCC040

Quant Time: Jan 07 17:00:59 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF010719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 07 14:33:51 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 | 103 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 36.779 | 8.1 | 99 | 0.00 |
| 3 | | Pyridine | 40.000 | 37.886 | 5.3 | 95 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 37.241 | 6.9 | 97 | 0.00 |
| 5 | S | 2-Fluorophenol | 80.000 | 73.483 | 8.1 | 94 | 0.00 |
| 6 | | Aniline | 40.000 | 37.927 | 5.2 | 105 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 74.009 | 7.5 | 103 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 38.437 | 3.9 | 104 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 37.846 | 5.4 | 105 | 0.00 |
| 10 | C | Phenol | 40.000 | 37.621 | 5.9 | 104 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 38.014 | 5.0 | 103 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 38.691 | 3.3 | 106 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 38.015 | 5.0 | 103 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 38.383 | 4.0 | 106 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 38.124 | 4.7 | 104 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 38.106 | 4.7 | 105 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 38.198 | 4.5 | 105 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 38.630 | 3.4 | 104 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 38.236 | 4.4 | 104 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 38.226 | 4.4 | 104 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 105 | 0.00 |
| 22 | | Acetophenone | 40.000 | 37.235 | 6.9 | 104 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 75.414 | 5.7 | 104 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 37.924 | 5.2 | 105 | 0.00 |
| 25 | | Isophorone | 40.000 | 37.573 | 6.1 | 104 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 38.920 | 2.7 | 105 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 38.001 | 5.0 | 104 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 37.776 | 5.6 | 104 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 38.006 | 5.0 | 104 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 38.285 | 4.3 | 105 | 0.00 |
| 31 | | Naphthalene | 40.000 | 38.026 | 4.9 | 104 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 34.197 | 14.5 | 101 | 0.00 |
| 33 | | 4-Chloroaniline | 40.000 | 38.586 | 3.5 | 105 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 38.559 | 3.6 | 105 | 0.00 |
| 35 | | Caprolactam | 40.000 | 38.694 | 3.3 | 105 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 38.167 | 4.6 | 105 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 40.924 | -2.3 | 104 | 0.00 |
| 38 | | 1-Methylnaphthalene | 40.000 | 40.777 | -1.9 | 105 | 0.00 |
| 39 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 104 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 39.677 | 0.8 | 105 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 40.000 | 39.638 | 0.9 | 103 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 80.000 | 74.262 | 7.2 | 102 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 40.000 | 38.655 | 3.4 | 105 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 40.000 | 38.028 | 4.9 | 102 | 0.00 |

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Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | S | 2-Fluorobiphenyl | 80.000 | 74.115 | 7.4 | 104 | 0.00 |
| 46 | | 1,1'-Biphenyl | 40.000 | 37.819 | 5.5 | 104 | 0.00 |
| 47 | | 2-Chloronaphthalene | 40.000 | 38.122 | 4.7 | 105 | 0.00 |
| 48 | | 2-Nitroaniline | 40.000 | 37.998 | 5.0 | 103 | 0.00 |
| 49 | | Acenaphthylene | 40.000 | 37.797 | 5.5 | 105 | 0.00 |
| 50 | | Dimethylphthalate | 40.000 | 37.206 | 7.0 | 104 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 40.000 | 38.400 | 4.0 | 105 | 0.00 |
| 52 | C | Acenaphthene | 40.000 | 37.326 | 6.7 | 103 | 0.00 |
| 53 | | 3-Nitroaniline | 40.000 | 38.058 | 4.9 | 105 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 40.000 | 38.974 | 2.6 | 104 | 0.00 |
| 55 | | Dibenzofuran | 40.000 | 37.443 | 6.4 | 104 | 0.00 |
| 56 | P | 4-Nitrophenol | 40.000 | 39.555 | 1.1 | 106 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 40.000 | 38.885 | 2.8 | 105 | 0.00 |
| 58 | | Fluorene | 40.000 | 37.501 | 6.2 | 104 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 38.863 | 2.8 | 106 | 0.00 |
| 60 | | Diethylphthalate | 40.000 | 37.573 | 6.1 | 105 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 40.000 | 37.656 | 5.9 | 105 | 0.00 |
| 62 | | 4-Nitroaniline | 40.000 | 38.764 | 3.1 | 103 | 0.00 |
| 63 | | Azobenzene | 40.000 | 38.076 | 4.8 | 104 | 0.00 |
| 64 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 104 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 40.000 | 38.420 | 3.9 | 105 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 40.000 | 37.223 | 6.9 | 104 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 40.000 | 37.092 | 7.3 | 103 | 0.00 |
| 68 | | Hexachlorobenzene | 40.000 | 36.626 | 8.4 | 103 | 0.00 |
| 69 | | Atrazine | 40.000 | 36.672 | 8.3 | 104 | 0.00 |
| 70 | C | Pentachlorophenol | 40.000 | 38.549 | 3.6 | 103 | 0.00 |
| 71 | | Phenanthrene | 40.000 | 37.003 | 7.5 | 104 | 0.00 |
| 72 | | Anthracene | 40.000 | 36.691 | 8.3 | 103 | 0.00 |
| 73 | | Carbazole | 40.000 | 35.924 | 10.2 | 104 | 0.00 |
| 74 | | Di-n-butylphthalate | 40.000 | 35.971 | 10.1 | 105 | 0.00 |
| 75 | C | Fluoranthene | 40.000 | 35.912 | 10.2 | 102 | 0.00 |
| 76 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 100 | 0.00 |
| 77 | | Benzidine | 40.000 | 38.033 | 4.9 | 105 | 0.00 |
| 78 | | Pyrene | 40.000 | 39.175 | 2.1 | 104 | 0.00 |
| 79 | S | Terphenyl-d14 | 80.000 | 75.647 | 5.4 | 103 | 0.00 |
| 80 | | Butylbenzylphthalate | 40.000 | 39.287 | 1.8 | 102 | 0.00 |
| 81 | | Benzo(a)anthracene | 40.000 | 37.654 | 5.9 | 100 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 40.000 | 37.467 | 6.3 | 99 | 0.00 |
| 83 | | Chrysene | 40.000 | 37.889 | 5.3 | 100 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 40.000 | 38.596 | 3.5 | 102 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 40.000 | 37.450 | 6.4 | 101 | 0.00 |
| 86 | | Indeno(1,2,3-cd)pyrene | 40.000 | 39.037 | 2.4 | 106 | 0.00 |
| 87 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 102 | 0.00 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(b)fluoranthene | 40.000 | 38.729 | 3.2 | 104 | 0.00 |
| 89 | Benzo(k)fluoranthene | 40.000 | 36.619 | 8.5 | 96 | 0.00 |
| 90 C | Benzo(a)pyrene | 40.000 | 38.020 | 4.9 | 102 | 0.00 |
| 91 | Dibenzo(a,h)anthracene | 40.000 | 41.610 | -4.0 | 107 | 0.00 |
| 92 | Benzo(g,h,i)perylene | 40.000 | 42.682 | -6.7 | 108 | 0.00 |

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