# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG032918\
Data File : BG033442.D
Acq On : 30 Mar 2018 6:51
Operator : SJ/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DFTPP

Quant Time: Mar 30 08:57:21 2018
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 28 18:34:58 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 | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 0# | -8.88# |
| 2 | | 1,4-Dioxane | 0.542 | 0.000 | 100.0# | 0# | -0.01 |
| 3 | | Pyridine | 1.497 | 0.000 | 100.0# | 0# | 0.35 |
| 4 | | n-Nitrosodimethylamine | 0.614 | 0.000 | 100.0# | 0# | -0.23 |
| 5 | S | 2-Fluorophenol | 1.067 | 0.000 | 100.0# | 0# | -6.29# |
| 6 | | Aniline | 2.155 | 0.000 | 100.0# | 0# | -8.17# |
| 7 | S | Phenol-d6 | 1.833 | 0.000 | 100.0# | 0# | -7.98# |
| 8 | | 2-Chlorophenol | 1.219 | 0.000 | 100.0# | 0# | -8.42# |
| 9 | | Benzaldehyde | 1.165 | 0.000 | 100.0# | 0# | -7.98# |
| 10 | C | Phenol | 1.809 | 0.000 | 100.0# | 0# | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.477 | 0.000 | 100.0# | 0# | -8.26# |
| 12 | | 1,3-Dichlorobenzene | 1.594 | 0.000 | 100.0# | 0# | -8.75# |
| 13 | C | 1,4-Dichlorobenzene | 1.597 | 0.000 | 100.0# | 0# | -8.91# |
| 14 | | 1,2-Dichlorobenzene | 1.558 | 0.000 | 100.0# | 0# | 0.43 |
| 15 | | Benzyl Alcohol | 1.443 | 0.000 | 100.0# | 0# | 0.30 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 2.408 | 0.000 | 100.0# | 0# | 0.02 |
| 17 | | 2-Methylphenol | 1.233 | 0.000 | 100.0# | 0# | -9.31# |
| 18 | | Hexachloroethane | 0.616 | 0.000 | 100.0# | 0# | -0.13 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.343 | 0.000# | 100.0# | 0# | 0.06 |
| 20 | | 3+4-Methylphenols | 1.755 | 0.000 | 100.0# | 0# | -9.64# |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 0# | 0.16 |
| 22 | | Acetophenone | 0.548 | 0.500 | 8.8 | 0# | -0.02 |
| 23 | S | Nitrobenzene-d5 | 0.435 | 0.000 | 100.0# | 0# | -10.08# |
| 24 | | Nitrobenzene | 0.466 | 0.000 | 100.0# | 0# | -10.12# |
| 25 | | Isophorone | 0.845 | 0.000 | 100.0# | 0# | -10.64# |
| 26 | C | 2-Nitrophenol | 0.176 | 0.000 | 100.0# | 0# | -10.84# |
| 27 | | 2,4-Dimethylphenol | 0.256 | 0.509 | -98.8# | 0# | 0.34 |
| 28 | | bis(2-Chloroethoxy)methane | 0.422 | 0.000 | 100.0# | 0# | -11.12# |
| 29 | C | 2,4-Dichlorophenol | 0.315 | 0.000 | 100.0# | 0# | -11.39# |
| 30 | | 1,2,4-Trichlorobenzene | 0.409 | 0.482 | -17.8 | 0# | -0.29 |
| 31 | | Naphthalene | 1.036 | 0.000 | 100.0# | 0# | -11.80# |
| 32 | | Benzoic acid | 0.238 | 0.509 | -113.9# | 0# | 0.23 |
| 33 | | 4-Chloroaniline | 0.464 | 0.000 | 100.0# | 0# | -11.90# |
| 34 | C | Hexachlorobutadiene | 0.310 | 0.000 | 100.0# | 0# | -12.06# |
| 35 | | Caprolactam | 0.123 | 0.000 | 100.0# | 0# | -12.64# |
| 36 | C | 4-Chloro-3-methylphenol | 0.411 | 0.536 | -30.4# | 0# | 0.48 |
| 37 | | 2-Methylnaphthalene | 0.804 | 0.000 | 100.0# | 0# | -13.36# |
| 38 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 0# | 0.15 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 0.724 | 0.000 | 100.0# | 0# | -13.71# |
| 40 | P | Hexachlorocyclopentadiene | 0.425 | 0.000# | 100.0# | 0# | -13.68# |
| 41 | S | 2,4,6-Tribromophenol | 0.299 | 0.000 | 100.0# | 0# | -16.96# |
| 42 | C | 2,4,6-Trichlorophenol | 0.421 | 0.000 | 100.0# | 0# | -13.94# |
| 43 | | 2,4,5-Trichlorophenol | 0.498 | 0.000 | 100.0# | 0# | -14.01# |
| 44 | S | 2-Fluorobiphenyl | 1.385 | 0.000 | 100.0# | 0# | -14.11# |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 1.537 | 0.000 | 100.0# | 0# | -14.33# |
| 46 | | 2-Chloronaphthalene | 1.185 | 0.424 | 64.2# | 0# | -0.03 |
| 47 | | 2-Nitroaniline | 0.444 | 0.000 | 100.0# | 0# | -14.58# |
| 48 | | Acenaphthylene | 1.978 | 0.348 | 82.4# | 0# | 0.44 |
| 49 | | Dimethylphthalate | 1.741 | 0.000 | 100.0# | 0# | -14.91# |
| 50 | | 2,6-Dinitrotoluene | 0.356 | 0.373 | -4.8 | 0# | 0.53# |
| 51 | C | Acenaphthene | 1.275 | 0.000 | 100.0# | 0# | -15.55# |
| 52 | | 3-Nitroaniline | 0.373 | 0.000 | 100.0# | 0# | -15.38# |
| 53 | P | 2,4-Dinitrophenol | 0.149 | 0.373 | -150.3# | 0# | -0.07 |
| 54 | | Dibenzofuran | 1.883 | 0.000 | 100.0# | 0# | -15.88# |
| 55 | P | 4-Nitrophenol | 0.262 | 0.342 | -30.5# | 0# | 0.46 |
| 56 | | 2,4-Dinitrotoluene | 0.524 | 0.373 | 28.8# | 0# | -0.24 |
| 57 | | Fluorene | 1.604 | 0.386 | 75.9# | 0# | -0.31 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 0.468 | 1.348 | -188.0# | 0# | 0.03 |
| 59 | | Diethylphthalate | 1.690 | 0.000 | 100.0# | 0# | -16.25# |
| 60 | | 4-Chlorophenyl-phenylether | 0.922 | 0.481 | 47.8# | 0# | 0.12 |
| 61 | | 4-Nitroaniline | 0.378 | 0.335 | 11.4 | 0# | -0.17 |
| 62 | | Azobenzene | 1.637 | 0.354 | 78.4# | 0# | 0.13 |
| 63 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 0# | 0.21 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.120 | 0.000 | 100.0# | 0# | -16.58# |
| 65 | c | n-Nitrosodiphenylamine | 0.571 | 0.492 | 13.8 | 0# | -0.27 |
| 66 | | 4-Bromophenyl-phenylether | 0.235 | 0.000 | 100.0# | 0# | -17.39# |
| 67 | | Hexachlorobenzene | 0.248 | 0.475 | -91.5# | 0# | 0.54# |
| 68 | | Atrazine | 0.231 | 5.175 | -2140.3# | 0# | 0.23 |
| 69 | C | Pentachlorophenol | 0.170 | 3.500 | -1958.8# | 0# | 0.51# |
| 70 | | Phenanthrene | 1.042 | 2.592 | -148.8# | 0# | 0.32 |
| 71 | | Anthracene | 1.055 | 2.592 | -145.7# | 0# | 0.23 |
| 72 | | Carbazole | 0.935 | 1.483 | -58.6# | 0# | 0.09 |
| 73 | | Di-n-butylphthalate | 1.088 | 0.483 | 55.6# | 0# | 0.37 |
| 74 | C | Fluoranthene | 1.289 | 0.492 | 61.8# | 0# | 0.31 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 0# | -22.56# |
| 76 | | Benzidine | 0.542 | 0.000 | 100.0# | 122 | 0.00 |
| 77 | | Pyrene | 1.334 | 0.000 | 100.0# | 0# | -0.05 |
| 78 | S | Terphenyl-d14 | 0.935 | 0.000 | 100.0# | 0# | 0.00 |
| 79 | | Butylbenzylphthalate | 0.492 | 0.000 | 100.0# | 0# | 0.00 |
| 80 | | Benzo(a)anthracene | 1.274 | 0.000 | 100.0# | 0# | -22.54# |
| 81 | | 3,3'-Dichlorobenzidine | 0.453 | 0.000 | 100.0# | 0# | 0.00 |
| 82 | | Chrysene | 1.233 | 0.000 | 100.0# | 0# | 0.47 |
| 83 | | Bis(2-ethylhexyl)phthalate | 0.679 | 0.000 | 100.0# | 0# | 0.00 |
| 84 | c | Di-n-octyl phthalate | 1.039 | 0.000 | 100.0# | 0# | 0.00 |
| 85 | | Indeno(1,2,3-cd)pyrene | 1.333 | 0.000 | 100.0# | 0# | -30.72# |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 0# | -0.01 |
| 87 | | Benzo(b)fluoranthene | 1.155 | 0.781 | 32.4# | 0# | -0.01 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 1.169 | 0.482 | 58.8# | 0# | 0.00 |
| 89 C | Benzo(a)pyrene | 1.110 | 0.649 | 41.5# | 0# | -0.02 |
| 90 | Dibenzo(a,h)anthracene | 1.045 | 0.561 | 46.3# | 0# | -0.13 |
| 91 | Benzo(g,h,i)perylene | 1.035 | 0.553 | 46.6# | 0# | -0.04 |

(#) = Out of Range SPCC's out = 2 CCC's out = 12