# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122116\
Data File : BF091836.D
Acq On : 21 Dec 2016 15:28
Operator : UM/SJ
Sample : SSTDICV040
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** ICVBF122116

Quant Time: Dec 21 16:25:22 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 21 16:17:51 2016
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 | 94 | 0.00 |
| 2 | | 1,4-Dioxane | 0.590 | 0.586 | 0.7 | 93 | 0.00 |
| 3 | | Pyridine | 2.058 | 2.016 | 2.0 | 90 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.776 | 0.788 | -1.5 | 92 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.198 | 1.073 | 10.4 | 87 | 0.00 |
| 6 | | Aniline | 1.899 | 1.810 | 4.7 | 90 | 0.00 |
| 7 | S | Phenol-d6 | 1.462 | 1.478 | -1.1 | 93 | -0.01 |
| 8 | | 2-Chlorophenol | 1.362 | 1.289 | 5.4 | 87 | -0.01 |
| 9 | | Benzaldehyde | 0.904 | 0.838 | 7.3 | 93 | 0.00 |
| 10 | C | Phenol | 1.666 | 1.751 | -5.1 | 91 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.326 | 1.320 | 0.5 | 87 | -0.01 |
| 12 | | 1,3-Dichlorobenzene | 1.455 | 1.452 | 0.2 | 89 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.480 | 1.427 | 3.6 | 89 | -0.01 |
| 14 | | 1,2-Dichlorobenzene | 1.285 | 1.298 | -1.0 | 97 | 0.00 |
| 15 | | Benzyl Alcohol | 1.136 | 1.055 | 7.1 | 86 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.975 | 1.884 | 4.6 | 89 | 0.00 |
| 17 | | 2-Methylphenol | 1.096 | 1.087 | 0.8 | 93 | 0.00 |
| 18 | | Hexachloroethane | 0.549 | 0.545 | 0.7 | 89 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 0.973 | 0.932 | 4.2 | 85 | -0.01 |
| 20 | | 3+4-Methylphenols | 1.307 | 1.322 | -1.1 | 90 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 95 | 0.00 |
| 22 | | Acetophenone | 0.493 | 0.481 | 2.4 | 92 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.360 | 0.325 | 9.7 | 90 | 0.00 |
| 24 | | Nitrobenzene | 0.383 | 0.393 | -2.6 | 88 | 0.00 |
| 25 | | Isophorone | 0.664 | 0.629 | 5.3 | 90 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.189 | 0.168 | 11.1 | 86 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.313 | 0.291 | 7.0 | 81 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.402 | 0.365 | 9.2 | 84 | -0.01 |
| 29 | C | 2,4-Dichlorophenol | 0.265 | 0.265 | 0.0 | 92 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.291 | 0.284 | 2.4 | 89 | 0.00 |
| 31 | | Naphthalene | 0.915 | 0.941 | -2.8 | 89 | 0.00 |
| 32 | | Benzoic acid | 0.232 | 0.239 | -3.0 | 92 | -0.01 |
| 33 | | 4-Chloroaniline | 0.413 | 0.362 | 12.3 | 82 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.153 | 0.153 | 0.0 | 92 | 0.00 |
| 35 | | Caprolactam | 0.087 | 0.081 | 6.9 | 86 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.305 | 0.274 | 10.2 | 79 | -0.01 |
| 37 | | 2-Methylnaphthalene | 0.628 | 0.572 | 8.9 | 95 | 0.00 |
| 38 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 95 | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 0.505 | 0.521 | -3.2 | 88 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 0.199 | 0.203 | -2.0 | 84 | 0.00 |
| 41 | S | 2,4,6-Tribromophenol | 0.166 | 0.155 | 6.6 | 91 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 0.353 | 0.379 | -7.4 | 92 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 0.364 | 0.339 | 6.9 | 84 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 1.042 | 0.969 | 7.0 | 91 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 1.369 | 1.479 | -8.0 | 90 | 0.00 |
| 46 | | 2-Chloronaphthalene | 1.084 | 1.122 | -3.5 | 93 | 0.00 |
| 47 | | 2-Nitroaniline | 0.386 | 0.378 | 2.1 | 81 | -0.01 |
| 48 | | Acenaphthylene | 1.668 | 1.667 | 0.1 | 93 | 0.00 |
| 49 | | Dimethylphthalate | 1.279 | 1.310 | -2.4 | 92 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 0.280 | 0.290 | -3.6 | 97 | 0.00 |
| 51 | C | Acenaphthene | 1.131 | 1.049 | 7.3 | 88 | 0.00 |
| 52 | | 3-Nitroaniline | 0.346 | 0.380 | -9.8 | 91 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 0.156 | 0.167 | -7.1 | 88 | 0.00 |
| 54 | | Dibenzofuran | 1.527 | 1.438 | 5.8 | 96 | 0.00 |
| 55 | P | 4-Nitrophenol | 0.235 | 0.271 | -15.3 | 99 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 0.351 | 0.345 | 1.7 | 95 | 0.00 |
| 57 | | Fluorene | 1.111 | 1.163 | -4.7 | 94 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 0.288 | 0.284 | 1.4 | 86 | 0.00 |
| 59 | | Diethylphthalate | 1.242 | 1.186 | 4.5 | 82 | -0.01 |
| 60 | | 4-Chlorophenyl-phenylether | 0.486 | 0.443 | 8.8 | 86 | 0.00 |
| 61 | | 4-Nitroaniline | 0.359 | 0.313 | 12.8 | 73 | -0.01 |
| 62 | | Azobenzene | 1.368 | 1.298 | 5.1 | 90 | 0.00 |
| 63 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 92 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.121 | 0.139 | -14.9 | 98 | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 0.593 | 0.632 | -6.6 | 98 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 0.208 | 0.207 | 0.5 | 92 | 0.00 |
| 67 | | Hexachlorobenzene | 0.222 | 0.225 | -1.4 | 91 | 0.00 |
| 68 | | Atrazine | 0.191 | 0.158 | 17.3 | 76 | -0.01 |
| 69 | C | Pentachlorophenol | 0.109 | 0.118 | -8.3 | 88 | 0.00 |
| 70 | | Phenanthrene | 1.084 | 1.055 | 2.7 | 86 | 0.00 |
| 71 | | Anthracene | 1.086 | 0.995 | 8.4 | 93 | 0.00 |
| 72 | | Carbazole | 1.005 | 0.977 | 2.8 | 97 | 0.00 |
| 73 | | Di-n-butylphthalate | 1.174 | 1.048 | 10.7 | 88 | 0.00 |
| 74 | C | Fluoranthene | 1.082 | 0.959 | 11.4 | 91 | 0.00 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 96 | 0.00 |
| 76 | | Benzidine | 0.580 | 0.477 | 17.8 | 83 | 0.00 |
| 77 | | Pyrene | 1.467 | 1.325 | 9.7 | 93 | 0.00 |
| 78 | S | Terphenyl-d14 | 0.825 | 0.678 | 17.8 | 87 | 0.00 |
| 79 | | Butylbenzylphthalate | 0.667 | 0.653 | 2.1 | 88 | 0.00 |
| 80 | | Benzo(a)anthracene | 1.129 | 0.994 | 12.0 | 86 | 0.00 |
| 81 | | 3,3'-Dichlorobenzidine | 0.428 | 0.375 | 12.4 | 90 | 0.00 |
| 82 | | Chrysene | 1.132 | 0.993 | 12.3 | 93 | 0.00 |
| 83 | | Bis(2-ethylhexyl)phthalate | 0.786 | 0.745 | 5.2 | 92 | 0.00 |
| 84 | c | Di-n-octyl phthalate | 1.456 | 1.306 | 10.3 | 87 | 0.00 |
| 85 | | Indeno(1,2,3-cd)pyrene | 0.981 | 0.879 | 10.4 | 89 | 0.00 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 94 | 0.00 |
| 87 | | Benzo(b)fluoranthene | 1.245 | 1.336 | -7.3 | 95 | 0.00 |

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| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 1.062 | 0.887 | 16.5 | 81 | 0.00 |
| 89 C | Benzo(a)pyrene | 1.105 | 1.060 | 4.1 | 88 | 0.00 |
| 90 | Dibenzo(a,h)anthracene | 0.908 | 0.886 | 2.4 | 90 | -0.01 |
| 91 | Benzo(g,h,i)perylene | 0.945 | 0.928 | 1.8 | 90 | -0.01 |

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