# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM081718\
Data File : BM016441.D
Acq On : 17 Aug 2018 16:28
Operator : SJ/JU
Sample : SSTDICV040
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** ICVBM081718

Quant Time: Aug 17 17:04:48 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM081718.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 17 16:27:00 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 | 87 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 39.000 | 2.5 | 93 | 0.00 |
| 3 | | Pyridine | 40.000 | 41.571 | -3.9 | 94 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 40.815 | -2.0 | 94 | 0.00 |
| 5 | S | 2-Fluorophenol | 80.000 | 74.861 | 6.4 | 83 | 0.00 |
| 6 | | Aniline | 40.000 | 38.686 | 3.3 | 84 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 75.525 | 5.6 | 86 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 37.125 | 7.2 | 83 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 39.852 | 0.4 | 85 | 0.00 |
| 10 | C | Phenol | 40.000 | 37.662 | 5.8 | 84 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 37.811 | 5.5 | 84 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 37.026 | 7.4 | 81 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 36.671 | 8.3 | 79 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 38.149 | 4.6 | 81 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 36.946 | 7.6 | 83 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 38.185 | 4.5 | 85 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 36.903 | 7.7 | 82 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 39.590 | 1.0 | 85 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 39.380 | 1.5 | 84 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 39.107 | 2.2 | 84 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 95 | 0.00 |
| 22 | | Acetophenone | 40.000 | 37.571 | 6.1 | 84 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 78.735 | 1.6 | 87 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 38.709 | 3.2 | 86 | 0.00 |
| 25 | | Isophorone | 40.000 | 38.892 | 2.8 | 87 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 37.989 | 5.0 | 83 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 38.541 | 3.6 | 85 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 38.295 | 4.3 | 87 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 38.369 | 4.1 | 90 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 38.033 | 4.9 | 89 | 0.00 |
| 31 | | Naphthalene | 40.000 | 38.127 | 4.7 | 90 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 41.197 | -3.0 | 90 | 0.00 |
| 33 | | 4-Chloroaniline | 40.000 | 38.338 | 4.2 | 91 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 38.742 | 3.1 | 91 | 0.00 |
| 35 | | Caprolactam | 40.000 | 39.139 | 2.2 | 92 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 37.600 | 6.0 | 91 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 39.030 | 2.4 | 94 | 0.00 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 96 | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 37.666 | 5.8 | 93 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 38.343 | 4.1 | 98 | 0.00 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 77.255 | 3.4 | 95 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 37.451 | 6.4 | 94 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 39.376 | 1.6 | 96 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 74.773 | 6.5 | 92 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM081718\
Data File : BM016441.D
Acq On : 17 Aug 2018 16:28
Operator : SJ/JU
Sample : SSTDICV040
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** ICVBM081718

Quant Time: Aug 17 17:04:48 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM081718.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 17 16:27:00 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) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 40.000 | 37.427 | 6.4 | 92 | 0.00 |
| 46 | | 2-Chloronaphthalene | 40.000 | 38.217 | 4.5 | 93 | 0.00 |
| 47 | | 2-Nitroaniline | 40.000 | 39.669 | 0.8 | 96 | 0.00 |
| 48 | | Acenaphthylene | 40.000 | 38.468 | 3.8 | 94 | 0.00 |
| 49 | | Dimethylphthalate | 40.000 | 39.044 | 2.4 | 96 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 39.970 | 0.1 | 96 | 0.00 |
| 51 | C | Acenaphthene | 40.000 | 37.524 | 6.2 | 91 | 0.00 |
| 52 | | 3-Nitroaniline | 40.000 | 40.675 | -1.7 | 98 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 40.125 | -0.3 | 98 | 0.00 |
| 54 | | Dibenzofuran | 40.000 | 38.813 | 3.0 | 92 | 0.00 |
| 55 | P | 4-Nitrophenol | 40.000 | 41.499 | -3.7 | 100 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 39.029 | 2.4 | 96 | 0.00 |
| 57 | | Fluorene | 40.000 | 38.890 | 2.8 | 93 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 40.598 | -1.5 | 96 | 0.00 |
| 59 | | Diethylphthalate | 40.000 | 39.154 | 2.1 | 94 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 39.784 | 0.5 | 95 | 0.00 |
| 61 | | 4-Nitroaniline | 40.000 | 41.260 | -3.1 | 98 | 0.00 |
| 62 | | Azobenzene | 40.000 | 39.750 | 0.6 | 95 | 0.00 |
| 63 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 104 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 39.358 | 1.6 | 98 | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 37.904 | 5.2 | 96 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 37.446 | 6.4 | 94 | 0.00 |
| 67 | | Hexachlorobenzene | 40.000 | 38.852 | 2.9 | 97 | 0.00 |
| 68 | | Atrazine | 40.000 | 40.178 | -0.4 | 99 | 0.00 |
| 69 | C | Pentachlorophenol | 40.000 | 38.095 | 4.8 | 97 | 0.00 |
| 70 | | Phenanthrene | 40.000 | 38.062 | 4.8 | 98 | 0.00 |
| 71 | | Anthracene | 40.000 | 37.806 | 5.5 | 96 | 0.00 |
| 72 | | Carbazole | 40.000 | 39.245 | 1.9 | 100 | 0.00 |
| 73 | | Di-n-butylphthalate | 40.000 | 39.617 | 1.0 | 100 | 0.00 |
| 74 | C | Fluoranthene | 40.000 | 44.490 | -11.2 | 117 | 0.00 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 133 | 0.00 |
| 76 | | Benzidine | 40.000 | 39.374 | 1.6 | 139 | 0.00 |
| 77 | | Pyrene | 40.000 | 36.102 | 9.7 | 117 | 0.00 |
| 78 | S | Terphenyl-d14 | 80.000 | 70.345 | 12.1 | 120 | 0.00 |
| 79 | | Butylbenzylphthalate | 40.000 | 37.695 | 5.8 | 121 | 0.00 |
| 80 | | Benzo(a)anthracene | 40.000 | 37.340 | 6.6 | 124 | 0.00 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 38.911 | 2.7 | 126 | 0.00 |
| 82 | | Chrysene | 40.000 | 37.290 | 6.8 | 125 | 0.00 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 39.715 | 0.7 | 131 | 0.00 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 42.039 | -5.1 | 140 | 0.00 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 39.814 | 0.5 | 135 | 0.00 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 143 | 0.00 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 36.731 | 8.2 | 133 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM081718\
Data File : BM016441.D
Acq On : 17 Aug 2018 16:28
Operator : SJ/JU
Sample : SSTDICV040
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** ICVBM081718

Quant Time: Aug 17 17:04:48 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM081718.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 17 16:27:00 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) |
|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 40.000 | 38.561 | 3.6 | 141 | 0.00 |
| 89 C | Benzo(a)pyrene | 40.000 | 38.518 | 3.7 | 139 | 0.00 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 38.079 | 4.8 | 136 | 0.00 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 35.744 | 10.6 | 127 | 0.00 |

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