# Evaluate Continuing Calibration Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM122718\
Data File : BM018397.D
Acq On : 27 Dec 2018 15:40
Operator : JU/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_M
**LabSampleId :** SSTDCCC040

Quant Time: Dec 27 16:16:07 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM122718.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 27 14:18:47 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 | 110 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 37.531 | 6.2 | 108 | 0.00 |
| 3 | | Pyridine | 40.000 | 40.175 | -0.4 | 110 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 39.795 | 0.5 | 110 | 0.00 |
| 5 | S | 2-Fluorophenol | 80.000 | 78.456 | 1.9 | 111 | 0.00 |
| 6 | | Aniline | 40.000 | 38.538 | 3.7 | 109 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 78.883 | 1.4 | 110 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 39.362 | 1.6 | 110 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 36.528 | 8.7 | 112 | 0.00 |
| 10 | C | Phenol | 40.000 | 38.978 | 2.6 | 110 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 38.943 | 2.6 | 109 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 38.519 | 3.7 | 110 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 38.516 | 3.7 | 110 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 38.052 | 4.9 | 110 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 39.583 | 1.0 | 110 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 37.758 | 5.6 | 107 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 38.726 | 3.2 | 110 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 38.827 | 2.9 | 110 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 38.694 | 3.3 | 110 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 40.074 | -0.2 | 112 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 110 | 0.00 |
| 22 | | Acetophenone | 40.000 | 37.752 | 5.6 | 110 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 77.280 | 3.4 | 111 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 38.224 | 4.4 | 109 | 0.00 |
| 25 | | Isophorone | 40.000 | 38.233 | 4.4 | 111 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 38.292 | 4.3 | 118 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 38.290 | 4.3 | 110 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 39.003 | 2.5 | 111 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 40.887 | -2.2 | 112 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 38.490 | 3.8 | 112 | 0.00 |
| 31 | | Naphthalene | 40.000 | 38.134 | 4.7 | 111 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 36.745 | 8.1 | 106 | 0.00 |
| 33 | | 4-Chloroaniline | 40.000 | 38.228 | 4.4 | 110 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 37.975 | 5.1 | 111 | 0.00 |
| 35 | | Caprolactam | 40.000 | 39.279 | 1.8 | 113 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 40.879 | -2.2 | 114 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 38.119 | 4.7 | 112 | 0.00 |
| 38 | | 1-Methylnaphthalene | 40.000 | 38.107 | 4.7 | 111 | 0.00 |
| 39 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 113 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 38.116 | 4.7 | 112 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 40.000 | 39.537 | 1.2 | 113 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 80.000 | 80.789 | -1.0 | 119 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 40.000 | 41.915 | -4.8 | 118 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 40.000 | 39.794 | 0.5 | 117 | 0.00 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | S | 2-Fluorobiphenyl | 80.000 | 75.927 | 5.1 | 112 | 0.00 |
| 46 | | 1,1'-Biphenyl | 40.000 | 38.118 | 4.7 | 112 | 0.00 |
| 47 | | 2-Chloronaphthalene | 40.000 | 38.080 | 4.8 | 112 | 0.00 |
| 48 | | 2-Nitroaniline | 40.000 | 39.628 | 0.9 | 115 | 0.00 |
| 49 | | Acenaphthylene | 40.000 | 38.059 | 4.9 | 113 | 0.00 |
| 50 | | Dimethylphthalate | 40.000 | 38.657 | 3.4 | 113 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 40.000 | 38.995 | 2.5 | 114 | 0.00 |
| 52 | C | Acenaphthene | 40.000 | 37.925 | 5.2 | 112 | 0.00 |
| 53 | | 3-Nitroaniline | 40.000 | 39.412 | 1.5 | 116 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 40.000 | 41.647 | -4.1 | 130 | 0.00 |
| 55 | | Dibenzofuran | 40.000 | 37.726 | 5.7 | 112 | 0.00 |
| 56 | P | 4-Nitrophenol | 40.000 | 38.977 | 2.6 | 118 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 40.000 | 40.126 | -0.3 | 117 | 0.00 |
| 58 | | Fluorene | 40.000 | 37.999 | 5.0 | 113 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 39.956 | 0.1 | 118 | 0.00 |
| 60 | | Diethylphthalate | 40.000 | 38.898 | 2.8 | 113 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 40.000 | 37.911 | 5.2 | 112 | 0.00 |
| 62 | | 4-Nitroaniline | 40.000 | 39.668 | 0.8 | 115 | 0.00 |
| 63 | | Azobenzene | 40.000 | 37.649 | 5.9 | 112 | 0.00 |
| 64 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 113 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 40.000 | 41.069 | -2.7 | 126 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 40.000 | 38.613 | 3.5 | 113 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 40.000 | 38.584 | 3.5 | 113 | 0.00 |
| 68 | | Hexachlorobenzene | 40.000 | 38.339 | 4.2 | 115 | 0.00 |
| 69 | | Atrazine | 40.000 | 39.935 | 0.2 | 114 | 0.00 |
| 70 | C | Pentachlorophenol | 40.000 | 41.838 | -4.6 | 118 | 0.00 |
| 71 | | Phenanthrene | 40.000 | 38.489 | 3.8 | 114 | 0.00 |
| 72 | | Anthracene | 40.000 | 38.503 | 3.7 | 114 | 0.00 |
| 73 | | Carbazole | 40.000 | 38.622 | 3.4 | 113 | 0.00 |
| 74 | | Di-n-butylphthalate | 40.000 | 41.104 | -2.8 | 116 | 0.00 |
| 75 | C | Fluoranthene | 40.000 | 38.612 | 3.5 | 113 | 0.00 |
| 76 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 114 | 0.00 |
| 77 | | Benzidine | 40.000 | 42.823 | -7.1 | 112 | 0.00 |
| 78 | | Pyrene | 40.000 | 38.339 | 4.2 | 113 | 0.00 |
| 79 | S | Terphenyl-d14 | 80.000 | 78.692 | 1.6 | 115 | 0.00 |
| 80 | | Butylbenzylphthalate | 40.000 | 38.972 | 2.6 | 123 | 0.00 |
| 81 | | Benzo(a)anthracene | 40.000 | 38.452 | 3.9 | 114 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 40.000 | 40.749 | -1.9 | 114 | 0.00 |
| 83 | | Chrysene | 40.000 | 38.308 | 4.2 | 113 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 40.000 | 40.197 | -0.5 | 119 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 40.000 | 40.793 | -2.0 | 118 | 0.00 |
| 86 | | Indeno(1,2,3-cd)pyrene | 40.000 | 38.513 | 3.7 | 111 | 0.00 |
| 87 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 112 | 0.00 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(b)fluoranthene | 40.000 | 39.641 | 0.9 | 115 | 0.00 |
| 89 | Benzo(k)fluoranthene | 40.000 | 37.687 | 5.8 | 110 | 0.00 |
| 90 C | Benzo(a)pyrene | 40.000 | 38.861 | 2.8 | 113 | 0.00 |
| 91 | Dibenzo(a,h)anthracene | 40.000 | 38.458 | 3.9 | 111 | 0.00 |
| 92 | Benzo(g,h,i)perylene | 40.000 | 38.363 | 4.1 | 110 | 0.00 |

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