# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM061920\
Data File : BM026482.D
Acq On : 20 Jun 2020 01:07
Operator : JU/CG
Sample : SSTDCCC040
Misc :
ALS Vial : 20 Sample Multiplier: 1

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

Quant Time: Jun 20 06:49:05 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM060520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 19 10:20:20 2020
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 | 73 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 42.680 | -6.7 | 72 | 0.00 |
| 3 | | Pyridine | 40.000 | 39.736 | 0.7 | 68 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 44.708 | -11.8 | 75 | 0.00 |
| 5 | S | 2-Fluorophenol | 80.000 | 81.881 | -2.4 | 70 | 0.00 |
| 6 | | Aniline | 40.000 | 43.095 | -7.7 | 73 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 84.880 | -6.1 | 73 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 42.136 | -5.3 | 73 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 33.401 | 16.5 | 73 | 0.00 |
| 10 | C | Phenol | 40.000 | 42.129 | -5.3 | 73 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 42.611 | -6.5 | 73 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 42.574 | -6.4 | 73 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 42.380 | -6.0 | 73 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 42.813 | -7.0 | 73 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 43.015 | -7.5 | 74 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 44.692 | -11.7 | 75 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 43.106 | -7.8 | 74 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 44.099 | -10.2 | 74 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 44.984 | -12.5 | 77 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 43.324 | -8.3 | 74 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 74 | 0.00 |
| 22 | | Acetophenone | 40.000 | 43.154 | -7.9 | 76 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 85.939 | -7.4 | 75 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 42.725 | -6.8 | 76 | 0.00 |
| 25 | | Isophorone | 40.000 | 43.997 | -10.0 | 77 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 42.834 | -7.1 | 75 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 42.617 | -6.5 | 75 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 42.366 | -5.9 | 75 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 43.553 | -8.9 | 76 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 43.217 | -8.0 | 76 | 0.00 |
| 31 | | Naphthalene | 40.000 | 41.955 | -4.9 | 74 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 41.023 | -2.6 | 74 | 0.00 |
| 33 | | 4-Chloroaniline | 40.000 | 42.307 | -5.8 | 75 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 44.536 | -11.3 | 78 | 0.00 |
| 35 | | Caprolactam | 40.000 | 45.028 | -12.6 | 80 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 43.405 | -8.5 | 77 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 42.945 | -7.4 | 76 | 0.00 |
| 38 | | 1-Methylnaphthalene | 40.000 | 43.256 | -8.1 | 77 | 0.00 |
| 39 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 78 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 42.814 | -7.0 | 78 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 40.000 | 38.169 | 4.6 | 69 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 80.000 | 89.921 | -12.4 | 85 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 40.000 | 43.205 | -8.0 | 79 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 40.000 | 43.157 | -7.9 | 79 | 0.00 |

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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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 | 86.486 | -8.1 | 79 | 0.00 |
| 46 | | 1,1'-Biphenyl | 40.000 | 42.537 | -6.3 | 78 | 0.00 |
| 47 | | 2-Chloronaphthalene | 40.000 | 42.678 | -6.7 | 79 | 0.00 |
| 48 | | 2-Nitroaniline | 40.000 | 43.354 | -8.4 | 79 | 0.00 |
| 49 | | Acenaphthylene | 40.000 | 42.773 | -6.9 | 79 | 0.00 |
| 50 | | Dimethylphthalate | 40.000 | 43.359 | -8.4 | 81 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 40.000 | 43.434 | -8.6 | 80 | 0.00 |
| 52 | C | Acenaphthene | 40.000 | 42.826 | -7.1 | 79 | 0.00 |
| 53 | | 3-Nitroaniline | 40.000 | 42.210 | -5.5 | 79 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 40.000 | 43.283 | -8.2 | 81 | 0.00 |
| 55 | | Dibenzofuran | 40.000 | 42.850 | -7.1 | 79 | 0.00 |
| 56 | P | 4-Nitrophenol | 40.000 | 40.700 | -1.8 | 77 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 40.000 | 45.206 | -13.0 | 85 | 0.00 |
| 58 | | Fluorene | 40.000 | 43.633 | -9.1 | 81 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 43.741 | -9.4 | 81 | 0.00 |
| 60 | | Diethylphthalate | 40.000 | 44.264 | -10.7 | 83 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 40.000 | 44.292 | -10.7 | 82 | 0.00 |
| 62 | | 4-Nitroaniline | 40.000 | 41.798 | -4.5 | 79 | 0.00 |
| 63 | | Azobenzene | 40.000 | 44.573 | -11.4 | 82 | 0.00 |
| 64 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 83 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 40.000 | 44.121 | -10.3 | 87 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 40.000 | 42.154 | -5.4 | 82 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 40.000 | 43.502 | -8.8 | 84 | 0.00 |
| 68 | | Hexachlorobenzene | 40.000 | 43.028 | -7.6 | 84 | 0.00 |
| 69 | | Atrazine | 40.000 | 43.150 | -7.9 | 80 | 0.00 |
| 70 | C | Pentachlorophenol | 40.000 | 42.077 | -5.2 | 82 | 0.00 |
| 71 | | Phenanthrene | 40.000 | 43.182 | -8.0 | 85 | 0.00 |
| 72 | | Anthracene | 40.000 | 43.342 | -8.4 | 85 | 0.00 |
| 73 | | Carbazole | 40.000 | 43.498 | -8.7 | 87 | 0.00 |
| 74 | | Di-n-butylphthalate | 40.000 | 46.099 | -15.2 | 93 | 0.00 |
| 75 | C | Fluoranthene | 40.000 | 45.484 | -13.7 | 94 | 0.00 |
| 76 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 111 | 0.00 |
| 77 | | Benzidine | 40.000 | 35.624 | 10.9 | 87 | 0.00 |
| 78 | | Pyrene | 40.000 | 38.635 | 3.4 | 95 | 0.00 |
| 79 | S | Terphenyl-d14 | 80.000 | 81.904 | -2.4 | 102 | 0.00 |
| 80 | | Butylbenzylphthalate | 40.000 | 43.553 | -8.9 | 115 | 0.00 |
| 81 | | Benzo(a)anthracene | 40.000 | 42.425 | -6.1 | 112 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 40.000 | 45.423 | -13.6 | 118 | 0.00 |
| 83 | | Chrysene | 40.000 | 43.201 | -8.0 | 112 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 40.000 | 47.201 | -18.0 | 128 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 40.000 | 50.737 | -26.8# | 141 | 0.00 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 111 | 0.00 |
| 87 | | Indeno(1,2,3-cd)pyrene | 40.000 | 40.651 | -1.6 | 99 | 0.00 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(b)fluoranthene | 40.000 | 43.738 | -9.3 | 116 | 0.00 |
| 89 | Benzo(k)fluoranthene | 40.000 | 44.129 | -10.3 | 117 | 0.00 |
| 90 C | Benzo(a)pyrene | 40.000 | 43.273 | -8.2 | 112 | -0.01 |
| 91 | Dibenzo(a,h)anthracene | 40.000 | 41.004 | -2.5 | 99 | -0.01 |
| 92 | Benzo(g,h,i)perylene | 40.000 | 39.539 | 1.2 | 94 | 0.00 |

(#) = Out of Range SPCC's out = 0 CCC's out = 1