# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP071725\
Data File : BP025171.D
Acq On : 17 Jul 2025 10:04
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_P
**LabSampleId :**
SSTDCCC040

Quant Time: Jul 17 11:56:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP070325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 03 16:05:44 2025
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 | 140 | 0.00 |
| 2 | | 1,4-Dioxane | 0.439 | 0.426 | 3.0 | 138 | 0.00 |
| 3 | | Pyridine | 1.202 | 1.130 | 6.0 | 129 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.509 | 0.456 | 10.4 | 127 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.129 | 1.145 | -1.4 | 142 | 0.01 |
| 6 | | Aniline | 1.376 | 1.295 | 5.9 | 131 | 0.00 |
| 7 | S | Phenol-d6 | 1.473 | 1.425 | 3.3 | 137 | 0.01 |
| 8 | | 2-Chlorophenol | 1.263 | 1.253 | 0.8 | 140 | 0.00 |
| 9 | | Benzaldehyde | 0.769 | 0.652 | 15.2 | 127 | 0.00 |
| 10 | C | Phenol | 1.497 | 1.417 | 5.3 | 135 | 0.01 |
| 11 | | bis(2-Chloroethyl)ether | 1.152 | 1.068 | 7.3 | 134 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.413 | 1.384 | 2.1 | 141 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.431 | 1.424 | 0.5 | 143 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.377 | 1.348 | 2.1 | 140 | 0.00 |
| 15 | | Benzyl Alcohol | 0.983 | 0.949 | 3.5 | 139 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.498 | 1.289 | 14.0 | 126 | 0.00 |
| 17 | | 2-Methylphenol | 0.964 | 0.939 | 2.6 | 136 | 0.02 |
| 18 | | Hexachloroethane | 0.466 | 0.484 | -3.9 | 148 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 0.874 | 0.785 | 10.2 | 127 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.350 | 1.267 | 6.1 | 133 | 0.02 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 132 | 0.00 |
| 22 | | Acetophenone | 0.473 | 0.456 | 3.6 | 130 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.301 | 0.313 | -4.0 | 135 | 0.01 |
| 24 | | Nitrobenzene | 0.306 | 0.310 | -1.3 | 132 | 0.00 |
| 25 | | Isophorone | 0.562 | 0.540 | 3.9 | 128 | 0.01 |
| 26 | C | 2-Nitrophenol | 0.128 | 0.182 | -42.2# | 181# | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.210 | 0.213 | -1.4 | 136 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.382 | 0.370 | 3.1 | 131 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.291 | 0.314 | -7.9 | 139 | 0.02 |
| 30 | | 1,2,4-Trichlorobenzene | 0.322 | 0.331 | -2.8 | 137 | 0.00 |
| 31 | | Naphthalene | 1.030 | 1.012 | 1.7 | 133 | 0.01 |
| 32 | | Benzoic acid | 0.185 | 0.252 | -36.2# | 179# | 0.04 |
| 33 | | 4-Chloroaniline | 0.384 | 0.379 | 1.3 | 129 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.185 | 0.200 | -8.1 | 146 | 0.00 |
| 35 | | Caprolactam | 0.099 | 0.100 | -1.0 | 131 | 0.02 |
| 36 | C | 4-Chloro-3-methylphenol | 0.304 | 0.309 | -1.6 | 132 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.727 | 0.699 | 3.9 | 129 | 0.00 |
| 38 | | 1-Methylnaphthalene | 0.709 | 0.677 | 4.5 | 129 | 0.02 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 127 | 0.01 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.575 | 0.616 | -7.1 | 134 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 0.150 | 0.179 | -19.3 | 152# | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 0.236 | 0.257 | -8.9 | 132 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 0.348 | 0.401 | -15.2 | 137 | 0.01 |
| 44 | | 2,4,5-Trichlorophenol | 0.394 | 0.444 | -12.7 | 137 | 0.01 |
| 45 | S | 2-Fluorobiphenyl | 1.291 | 1.310 | -1.5 | 130 | 0.00 |
| 46 | | 1,1'-Biphenyl | 1.455 | 1.445 | 0.7 | 126 | 0.00 |
| 47 | | 2-Chloronaphthalene | 1.094 | 1.099 | -0.5 | 128 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 48 | | 2-Nitroaniline | 0.237 | 0.284 | -19.8 | 139 | 0.01 |
| 49 | | Acenaphthylene | 1.674 | 1.699 | -1.5 | 127 | 0.01 |
| 50 | | Dimethylphthalate | 1.400 | 1.410 | -0.7 | 127 | 0.01 |
| 51 | | 2,6-Dinitrotoluene | 0.273 | 0.307 | -12.5 | 132 | 0.01 |
| 52 | C | Acenaphthene | 1.079 | 1.068 | 1.0 | 127 | 0.01 |
| 53 | | 3-Nitroaniline | 0.293 | 0.337 | -15.0 | 133 | 0.02 |
| 54 | P | 2,4-Dinitrophenol | 0.114 | 0.170 | -49.1# | 184# | 0.02 |
| 55 | | Dibenzofuran | 1.781 | 1.765 | 0.9 | 127 | 0.00 |
| 56 | P | 4-Nitrophenol | 0.270 | 0.300 | -11.1 | 133 | 0.03 |
| 57 | | 2,4-Dinitrotoluene | 0.356 | 0.424 | -19.1 | 137 | 0.00 |
| 58 | | Fluorene | 1.377 | 1.364 | 0.9 | 124 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.357 | 0.405 | -13.4 | 139 | 0.00 |
| 60 | | Diethylphthalate | 1.406 | 1.410 | -0.3 | 125 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 0.682 | 0.678 | 0.6 | 127 | 0.00 |
| 62 | | 4-Nitroaniline | 0.307 | 0.350 | -14.0 | 130 | 0.00 |
| 63 | | Azobenzene | 1.252 | 1.059 | 15.4 | 106 | 0.00 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 109 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.082 | 0.132 | -61.0# | 178# | 0.02 |
| 66 | c | n-Nitrosodiphenylamine | 0.572 | 0.646 | -12.9 | 123 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 0.205 | 0.221 | -7.8 | 118 | 0.00 |
| 68 | | Hexachlorobenzene | 0.250 | 0.265 | -6.0 | 117 | 0.00 |
| 69 | | Atrazine | 0.168 | 0.186 | -10.7 | 118 | 0.01 |
| 70 | C | Pentachlorophenol | 0.169 | 0.200 | -18.3 | 127 | 0.02 |
| 71 | | Phenanthrene | 1.069 | 1.045 | 2.2 | 107 | 0.00 |
| 72 | | Anthracene | 1.025 | 1.036 | -1.1 | 109 | 0.01 |
| 73 | | Carbazole | 1.002 | 1.022 | -2.0 | 108 | 0.02 |
| 74 | | Di-n-butylphthalate | 1.116 | 1.346 | -20.6 | 124 | 0.00 |
| 75 | C | Fluoranthene | 1.249 | 1.279 | -2.4 | 108 | 0.00 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 117 | 0.01 |
| 77 | | Benzidine | 0.353 | 0.485 | -37.4# | 99 | 0.01 |
| 78 | | Pyrene | 1.239 | 1.105 | 10.8 | 105 | 0.00 |
| 79 | S | Terphenyl-d14 | 0.910 | 0.843 | 7.4 | 108 | 0.01 |
| 80 | | Butylbenzylphthalate | 0.402 | 0.533 | -32.6# | 142 | 0.00 |
| 81 | | Benzo(a)anthracene | 1.212 | 1.220 | -0.7 | 117 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 0.365 | 0.469 | -28.5# | 141 | 0.00 |
| 83 | | Chrysene | 1.166 | 1.151 | 1.3 | 116 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.650 | 0.776 | -19.4 | 129 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 1.054 | 1.260 | -19.5 | 135 | -0.01 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 131 | 0.01 |
| 87 | | Indeno(1,2,3-cd)pyrene | 1.274 | 1.466 | -15.1 | 145 | 0.02 |
| 88 | | Benzo(b)fluoranthene | 1.164 | 1.056 | 9.3 | 115 | 0.00 |
| 89 | | Benzo(k)fluoranthene | 1.158 | 0.980 | 15.4 | 111 | 0.00 |
| 90 | C | Benzo(a)pyrene | 0.991 | 1.043 | -5.2 | 133 | 0.00 |
| 91 | | Dibenzo(a,h)anthracene | 1.053 | 1.206 | -14.5 | 144 | 0.00 |
| 92 | | Benzo(g,h,i)perylene | 1.088 | 1.092 | -0.4 | 127 | 0.02 |

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