# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG093022\
Data File : BG055039.D
Acq On : 30 Sep 2022 13:34
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_G
**LabSampleId :**
SSTDCCC040

Quant Time: Oct 01 02:11:29 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG092822.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 28 15:43:39 2022
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 | 101 | 0.00 |
| 2 | | 1,4-Dioxane | 0.517 | 0.550 | -6.4 | 110 | 0.00 |
| 3 | | Pyridine | 1.469 | 1.586 | -8.0 | 107 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.714 | 0.759 | -6.3 | 107 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.043 | 1.089 | -4.4 | 105 | 0.00 |
| 6 | | Aniline | 1.824 | 1.924 | -5.5 | 106 | 0.00 |
| 7 | S | Phenol-d6 | 1.384 | 1.464 | -5.8 | 105 | 0.00 |
| 8 | | 2-Chlorophenol | 1.165 | 1.180 | -1.3 | 102 | 0.00 |
| 9 | | Benzaldehyde | 0.920 | 0.988 | -7.4 | 110 | 0.00 |
| 10 | C | Phenol | 1.570 | 1.623 | -3.4 | 104 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.178 | 1.253 | -6.4 | 108 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.426 | 1.519 | -6.5 | 109 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.446 | 1.523 | -5.3 | 107 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.367 | 1.434 | -4.9 | 108 | 0.00 |
| 15 | | Benzyl Alcohol | 1.185 | 1.222 | -3.1 | 100 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.972 | 2.044 | -3.7 | 105 | 0.00 |
| 17 | | 2-Methylphenol | 1.097 | 1.137 | -3.6 | 103 | 0.00 |
| 18 | | Hexachloroethane | 0.475 | 0.497 | -4.6 | 105 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.088 | 1.128 | -3.7 | 102 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.511 | 1.568 | -3.8 | 101 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 99 | 0.00 |
| 22 | | Acetophenone | 0.491 | 0.534 | -8.8 | 105 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.310 | 0.342 | -10.3 | 103 | 0.00 |
| 24 | | Nitrobenzene | 0.336 | 0.374 | -11.3 | 103 | 0.00 |
| 25 | | Isophorone | 0.696 | 0.746 | -7.2 | 102 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.128 | 0.122 | 4.7 | 91 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.272 | 0.291 | -7.0 | 104 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.363 | 0.387 | -6.6 | 103 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.304 | 0.319 | -4.9 | 98 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.357 | 0.391 | -9.5 | 107 | 0.00 |
| 31 | | Naphthalene | 1.043 | 1.113 | -6.7 | 104 | 0.00 |
| 32 | | Benzoic acid | 0.175 | 0.158 | 9.7 | 88 | -0.02 |
| 33 | | 4-Chloroaniline | 0.424 | 0.460 | -8.5 | 102 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.233 | 0.254 | -9.0 | 106 | 0.00 |
| 35 | | Caprolactam | 0.100 | 0.101 | -1.0 | 92 | -0.01 |
| 36 | C | 4-Chloro-3-methylphenol | 0.335 | 0.357 | -6.6 | 98 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.749 | 0.806 | -7.6 | 103 | 0.00 |
| 38 | | 1-Methylnaphthalene | 0.723 | 0.773 | -6.9 | 103 | 0.00 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 97 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.587 | 0.627 | -6.8 | 103 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 0.297 | 0.286 | 3.7 | 91 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 0.227 | 0.217 | 4.4 | 87 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 0.374 | 0.373 | 0.3 | 91 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 0.425 | 0.434 | -2.1 | 93 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 1.271 | 1.352 | -6.4 | 102 | 0.00 |
| 46 | | 1,1'-Biphenyl | 1.368 | 1.467 | -7.2 | 103 | 0.00 |
| 47 | | 2-Chloronaphthalene | 1.106 | 1.188 | -7.4 | 103 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 48 | | 2-Nitroaniline | 0.270 | 0.289 | -7.0 | 95 | 0.00 |
| 49 | | Acenaphthylene | 1.794 | 1.931 | -7.6 | 102 | 0.00 |
| 50 | | Dimethylphthalate | 1.495 | 1.569 | -4.9 | 98 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 0.249 | 0.280 | -12.4 | 100 | 0.00 |
| 52 | C | Acenaphthene | 1.114 | 1.189 | -6.7 | 101 | 0.00 |
| 53 | | 3-Nitroaniline | 0.293 | 0.333 | -13.7 | 100 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 0.126 | 0.127 | -0.8 | 95 | 0.00 |
| 55 | | Dibenzofuran | 1.800 | 1.921 | -6.7 | 101 | 0.00 |
| 56 | P | 4-Nitrophenol | 0.242 | 0.243 | -0.4 | 92 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 0.335 | 0.388 | -15.8 | 102 | 0.00 |
| 58 | | Fluorene | 1.437 | 1.539 | -7.1 | 102 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.383 | 0.387 | -1.0 | 90 | 0.00 |
| 60 | | Diethylphthalate | 1.542 | 1.640 | -6.4 | 100 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 0.769 | 0.827 | -7.5 | 102 | 0.00 |
| 62 | | 4-Nitroaniline | 0.318 | 0.368 | -15.7 | 102 | 0.00 |
| 63 | | Azobenzene | 1.447 | 1.528 | -5.6 | 102 | 0.00 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 96 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.077 | 0.071 | 7.8 | 90 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 0.538 | 0.570 | -5.9 | 102 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 0.215 | 0.228 | -6.0 | 102 | 0.00 |
| 68 | | Hexachlorobenzene | 0.243 | 0.259 | -6.6 | 101 | 0.00 |
| 69 | | Atrazine | 0.200 | 0.204 | -2.0 | 95 | 0.00 |
| 70 | C | Pentachlorophenol | 0.137 | 0.130 | 5.1 | 86 | 0.00 |
| 71 | | Phenanthrene | 1.033 | 1.103 | -6.8 | 101 | 0.00 |
| 72 | | Anthracene | 1.018 | 1.082 | -6.3 | 102 | 0.00 |
| 73 | | Carbazole | 0.955 | 1.006 | -5.3 | 101 | 0.00 |
| 74 | | Di-n-butylphthalate | 1.147 | 1.196 | -4.3 | 96 | 0.00 |
| 75 | C | Fluoranthene | 1.323 | 1.393 | -5.3 | 101 | 0.00 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 94 | 0.00 |
| 77 | | Benzidine | 0.495 | 0.423 | 14.5 | 77 | 0.00 |
| 78 | | Pyrene | 1.280 | 1.417 | -10.7 | 101 | 0.00 |
| 79 | S | Terphenyl-d14 | 0.959 | 1.052 | -9.7 | 101 | 0.00 |
| 80 | | Butylbenzylphthalate | 0.462 | 0.474 | -2.6 | 89 | 0.00 |
| 81 | | Benzo(a)anthracene | 1.281 | 1.376 | -7.4 | 99 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 0.414 | 0.451 | -8.9 | 97 | 0.00 |
| 83 | | Chrysene | 1.207 | 1.293 | -7.1 | 99 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.684 | 0.707 | -3.4 | 90 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 1.148 | 1.156 | -0.7 | 88 | 0.00 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 92 | -0.01 |
| 87 | | Indeno(1,2,3-cd)pyrene | 1.461 | 1.547 | -5.9 | 95 | -0.03 |
| 88 | | Benzo(b)fluoranthene | 1.191 | 1.284 | -7.8 | 97 | -0.01 |
| 89 | | Benzo(k)fluoranthene | 1.178 | 1.290 | -9.5 | 99 | 0.00 |
| 90 | C | Benzo(a)pyrene | 1.006 | 1.101 | -9.4 | 97 | -0.01 |
| 91 | | Dibenzo(a,h)anthracene | 1.203 | 1.262 | -4.9 | 95 | -0.03 |
| 92 | | Benzo(g,h,i)perylene | 1.183 | 1.251 | -5.7 | 95 | -0.02 |

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|---|---|---|---|---|

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