# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112122\
Data File : BG055731.D
Acq On : 22 Nov 2022 1:55
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 16 Sample Multiplier: 1

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

Quant Time: Nov 22 03:44:37 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 17 02:02:46 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 | 130 | 0.00 |
| 2 | | 1,4-Dioxane | 0.473 | 0.422 | 10.8 | 118 | 0.00 |
| 3 | | Pyridine | 1.451 | 1.245 | 14.2 | 108 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.768 | 0.648 | 15.6 | 107 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.106 | 0.982 | 11.2 | 115 | 0.00 |
| 6 | | Aniline | 1.850 | 1.704 | 7.9 | 116 | 0.00 |
| 7 | S | Phenol-d6 | 1.473 | 1.400 | 5.0 | 119 | 0.00 |
| 8 | | 2-Chlorophenol | 1.265 | 1.196 | 5.5 | 120 | 0.00 |
| 9 | | Benzaldehyde | 1.000 | 0.906 | 9.4 | 119 | 0.00 |
| 10 | C | Phenol | 1.649 | 1.582 | 4.1 | 122 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.264 | 1.174 | 7.1 | 119 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.487 | 1.372 | 7.7 | 122 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.503 | 1.383 | 8.0 | 120 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.440 | 1.332 | 7.5 | 121 | 0.00 |
| 15 | | Benzyl Alcohol | 1.197 | 1.168 | 2.4 | 121 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 2.288 | 2.149 | 6.1 | 119 | 0.00 |
| 17 | | 2-Methylphenol | 1.171 | 1.149 | 1.9 | 124 | 0.00 |
| 18 | | Hexachloroethane | 0.517 | 0.506 | 2.1 | 125 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.132 | 1.070 | 5.5 | 118 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.636 | 1.625 | 0.7 | 123 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 135 | 0.00 |
| 22 | | Acetophenone | 0.520 | 0.458 | 11.9 | 118 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.378 | 0.343 | 9.3 | 121 | 0.00 |
| 24 | | Nitrobenzene | 0.395 | 0.353 | 10.6 | 121 | 0.00 |
| 25 | | Isophorone | 0.717 | 0.650 | 9.3 | 119 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.182 | 0.179 | 1.6 | 127 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.278 | 0.259 | 6.8 | 123 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.385 | 0.351 | 8.8 | 121 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.332 | 0.316 | 4.8 | 125 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.386 | 0.359 | 7.0 | 128 | 0.00 |
| 31 | | Naphthalene | 1.081 | 0.987 | 8.7 | 123 | 0.00 |
| 32 | | Benzoic acid | 0.228 | 0.200 | 12.3 | 116 | 0.02 |
| 33 | | 4-Chloroaniline | 0.446 | 0.407 | 8.7 | 120 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.264 | 0.243 | 8.0 | 126 | 0.00 |
| 35 | | Caprolactam | 0.115 | 0.099 | 13.9 | 110 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.365 | 0.338 | 7.4 | 122 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.810 | 0.742 | 8.4 | 121 | 0.00 |
| 38 | | 1-Methylnaphthalene | 0.786 | 0.719 | 8.5 | 121 | 0.00 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 127 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.629 | 0.597 | 5.1 | 123 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 0.317 | 0.304 | 4.1 | 117 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 0.282 | 0.243 | 13.8 | 107 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 0.429 | 0.402 | 6.3 | 117 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 0.471 | 0.448 | 4.9 | 116 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 1.335 | 1.219 | 8.7 | 118 | 0.00 |
| 46 | | 1,1'-Biphenyl | 1.457 | 1.356 | 6.9 | 119 | 0.00 |
| 47 | | 2-Chloronaphthalene | 1.133 | 1.066 | 5.9 | 120 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 48 | | 2-Nitroaniline | 0.372 | 0.346 | 7.0 | 115 | 0.00 |
| 49 | | Acenaphthylene | 1.865 | 1.718 | 7.9 | 116 | 0.00 |
| 50 | | Dimethylphthalate | 1.594 | 1.400 | 12.2 | 110 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 0.326 | 0.297 | 8.9 | 112 | 0.00 |
| 52 | C | Acenaphthene | 1.219 | 1.113 | 8.7 | 115 | 0.00 |
| 53 | | 3-Nitroaniline | 0.358 | 0.321 | 10.3 | 109 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 0.187 | 0.152 | 18.7 | 99 | 0.00 |
| 55 | | Dibenzofuran | 1.881 | 1.674 | 11.0 | 113 | 0.00 |
| 56 | P | 4-Nitrophenol | 0.281 | 0.258 | 8.2 | 108 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 0.460 | 0.417 | 9.3 | 111 | 0.00 |
| 58 | | Fluorene | 1.502 | 1.323 | 11.9 | 111 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.457 | 0.397 | 13.1 | 108 | 0.00 |
| 60 | | Diethylphthalate | 1.612 | 1.386 | 14.0 | 108 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 0.826 | 0.729 | 11.7 | 112 | 0.00 |
| 62 | | 4-Nitroaniline | 0.374 | 0.325 | 13.1 | 108 | 0.00 |
| 63 | | Azobenzene | 1.407 | 1.243 | 11.7 | 111 | 0.00 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 113 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.112 | 0.107 | 4.5 | 102 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 0.551 | 0.531 | 3.6 | 110 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 0.228 | 0.218 | 4.4 | 107 | 0.00 |
| 68 | | Hexachlorobenzene | 0.253 | 0.240 | 5.1 | 109 | 0.00 |
| 69 | | Atrazine | 0.218 | 0.198 | 9.2 | 104 | 0.00 |
| 70 | C | Pentachlorophenol | 0.155 | 0.142 | 8.4 | 98 | 0.00 |
| 71 | | Phenanthrene | 1.079 | 0.976 | 9.5 | 103 | 0.00 |
| 72 | | Anthracene | 1.049 | 0.959 | 8.6 | 105 | 0.00 |
| 73 | | Carbazole | 0.943 | 0.846 | 10.3 | 102 | 0.00 |
| 74 | | Di-n-butylphthalate | 1.171 | 1.053 | 10.1 | 102 | -0.02 |
| 75 | C | Fluoranthene | 1.313 | 1.124 | 14.4 | 99 | 0.00 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 109 | 0.00 |
| 77 | | Benzidine | 0.463 | 0.389 | 16.0 | 88 | 0.00 |
| 78 | | Pyrene | 1.354 | 1.245 | 8.1 | 98 | 0.00 |
| 79 | S | Terphenyl-d14 | 1.000 | 0.915 | 8.5 | 100 | 0.00 |
| 80 | | Butylbenzylphthalate | 0.530 | 0.511 | 3.6 | 103 | 0.00 |
| 81 | | Benzo(a)anthracene | 1.378 | 1.266 | 8.1 | 99 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 0.484 | 0.450 | 7.0 | 98 | 0.00 |
| 83 | | Chrysene | 1.311 | 1.213 | 7.5 | 100 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.762 | 0.719 | 5.6 | 102 | -0.02 |
| 85 | c | Di-n-octyl phthalate | 1.303 | 1.238 | 5.0 | 101 | -0.02 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 107 | -0.02 |
| 87 | | Indeno(1,2,3-cd)pyrene | 1.638 | 1.420 | 13.3 | 94 | 0.00 |
| 88 | | Benzo(b)fluoranthene | 1.303 | 1.141 | 12.4 | 93 | -0.02 |
| 89 | | Benzo(k)fluoranthene | 1.298 | 1.175 | 9.5 | 97 | 0.00 |
| 90 | C | Benzo(a)pyrene | 1.118 | 0.993 | 11.2 | 95 | -0.02 |
| 91 | | Dibenzo(a,h)anthracene | 1.339 | 1.186 | 11.4 | 97 | -0.02 |
| 92 | | Benzo(g,h,i)perylene | 1.349 | 1.167 | 13.5 | 94 | -0.02 |

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