Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP033121\
Data File : BP005128.D
Acq On : 31 Mar 2021 18:12
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Mar 31 19:06:08 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP032321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 26 10:07:03 2021
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 | 92 | 0.00 |
| 2 | | 1,4-Dioxane | 0.566 | 0.521 | 8.0 | 92 | 0.00 |
| 3 | | Pyridine | 1.407 | 1.402 | 0.4 | 87 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.503 | 0.471 | 6.4 | 85 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.300 | 1.297 | 0.2 | 93 | 0.00 |
| 6 | | Aniline | 2.110 | 1.982 | 6.1 | 86 | 0.00 |
| 7 | S | Phenol-d6 | 1.862 | 1.872 | -0.5 | 92 | 0.00 |
| 8 | | 2-Chlorophenol | 1.371 | 1.343 | 2.0 | 90 | 0.00 |
| 9 | | Benzaldehyde | 0.948 | 1.076 | -13.5 | 111 | 0.00 |
| 10 | C | Phenol | 1.908 | 1.842 | 3.5 | 89 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.397 | 1.369 | 2.0 | 91 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.523 | 1.452 | 4.7 | 88 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.546 | 1.468 | 5.0 | 88 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.483 | 1.379 | 7.0 | 87 | 0.00 |
| 15 | | Benzyl Alcohol | 1.436 | 1.427 | 0.6 | 89 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.025 | 1.073 | -4.7 | 96 | 0.00 |
| 17 | | 2-Methylphenol | 1.218 | 1.218 | 0.0 | 91 | 0.00 |
| 18 | | Hexachloroethane | 0.589 | 0.558 | 5.3 | 89 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.208 | 1.140 | 5.6 | 85 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.663 | 1.640 | 1.4 | 88 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 90 | 0.00 |
| 22 | | Acetophenone | 0.575 | 0.574 | 0.2 | 90 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.466 | 0.451 | 3.2 | 87 | 0.00 |
| 24 | | Nitrobenzene | 0.491 | 0.457 | 6.9 | 85 | 0.00 |
| 25 | | Isophorone | 0.860 | 0.831 | 3.4 | 86 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.191 | 0.205 | -7.3 | 95 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.306 | 0.299 | 2.3 | 88 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.435 | 0.428 | 1.6 | 86 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.343 | 0.330 | 3.8 | 85 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.385 | 0.355 | 7.8 | 83 | 0.00 |
| 31 | | Naphthalene | 1.130 | 1.070 | 5.3 | 86 | 0.00 |
| 32 | | Benzoic acid | 0.227 | 0.269 | -18.5 | 101 | 0.02 |
| 33 | | 4-Chloroaniline | 0.457 | 0.434 | 5.0 | 85 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.248 | 0.227 | 8.5 | 82 | 0.00 |
| 35 | | Caprolactam | 0.112 | 0.126 | -12.5 | 98 | 0.01 |
| 36 | C | 4-Chloro-3-methylphenol | 0.414 | 0.402 | 2.9 | 86 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.816 | 0.756 | 7.4 | 83 | 0.00 |
| 38 | | 1-Methylnaphthalene | 0.765 | 0.722 | 5.6 | 84 | 0.00 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 86 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.651 | 0.625 | 4.0 | 83 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 0.354 | 0.353 | 0.3 | 83 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 0.261 | 0.245 | 6.1 | 81 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 0.450 | 0.441 | 2.0 | 83 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 0.488 | 0.464 | 4.9 | 82 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 1.478 | 1.402 | 5.1 | 83 | 0.00 |
| 46 | | 1,1'-Biphenyl | 1.525 | 1.487 | 2.5 | 85 | 0.00 |
| 47 | | 2-Chloronaphthalene | 1.242 | 1.150 | 7.4 | 82 | 0.00 |

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Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Mar 31 19:06:08 2021
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Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 48 | | 2-Nitroaniline | 0.396 | 0.391 | 1.3 | 83 | 0.00 |
| 49 | | Acenaphthylene | 1.931 | 1.812 | 6.2 | 81 | 0.00 |
| 50 | | Dimethylphthalate | 1.540 | 1.395 | 9.4 | 80 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 0.363 | 0.341 | 6.1 | 81 | 0.00 |
| 52 | C | Acenaphthene | 1.188 | 1.098 | 7.6 | 81 | 0.00 |
| 53 | | 3-Nitroaniline | 0.334 | 0.317 | 5.1 | 78 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 0.220 | 0.216 | 1.8 | 83 | 0.00 |
| 55 | | Dibenzofuran | 1.948 | 1.771 | 9.1 | 80 | 0.00 |
| 56 | P | 4-Nitrophenol | 0.274 | 0.277 | -1.1 | 83 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 0.479 | 0.460 | 4.0 | 81 | 0.00 |
| 58 | | Fluorene | 1.573 | 1.413 | 10.2 | 78 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.450 | 0.415 | 7.8 | 79 | 0.00 |
| 60 | | Diethylphthalate | 1.507 | 1.379 | 8.5 | 78 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 0.835 | 0.736 | 11.9 | 79 | 0.00 |
| 62 | | 4-Nitroaniline | 0.343 | 0.337 | 1.7 | 81 | 0.00 |
| 63 | | Azobenzene | 1.722 | 1.522 | 11.6 | 77 | 0.00 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 79 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.146 | 0.156 | -6.8 | 78 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 0.643 | 0.648 | -0.8 | 78 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 0.232 | 0.229 | 1.3 | 76 | 0.00 |
| 68 | | Hexachlorobenzene | 0.261 | 0.250 | 4.2 | 74 | 0.00 |
| 69 | | Atrazine | 0.214 | 0.240 | -12.1 | 83 | 0.00 |
| 70 | C | Pentachlorophenol | 0.172 | 0.182 | -5.8 | 82 | 0.00 |
| 71 | | Phenanthrene | 1.159 | 1.105 | 4.7 | 74 | 0.00 |
| 72 | | Anthracene | 1.133 | 1.114 | 1.7 | 76 | 0.00 |
| 73 | | Carbazole | 1.064 | 1.064 | 0.0 | 77 | 0.00 |
| 74 | | Di-n-butylphthalate | 1.171 | 1.209 | -3.2 | 78 | -0.01 |
| 75 | C | Fluoranthene | 1.364 | 1.283 | 5.9 | 73 | 0.00 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 75 | 0.00 |
| 77 | | Benzidine | 0.439 | 0.153 | 65.1# | 22# | 0.00 |
| 78 | | Pyrene | 1.374 | 1.371 | 0.2 | 73 | 0.00 |
| 79 | S | Terphenyl-d14 | 1.099 | 1.108 | -0.8 | 74 | 0.00 |
| 80 | | Butylbenzylphthalate | 0.510 | 0.560 | -9.8 | 77 | 0.00 |
| 81 | | Benzo(a)anthracene | 1.359 | 1.317 | 3.1 | 72 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 0.457 | 0.423 | 7.4 | 66 | 0.00 |
| 83 | | Chrysene | 1.334 | 1.284 | 3.7 | 72 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.748 | 0.837 | -11.9 | 78 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 1.261 | 1.397 | -10.8 | 79 | -0.01 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 78 | -0.01 |
| 87 | | Indeno(1,2,3-cd)pyrene | 1.500 | 1.433 | 4.5 | 74 | -0.01 |
| 88 | | Benzo(b)fluoranthene | 1.420 | 1.280 | 9.9 | 70 | 0.00 |
| 89 | | Benzo(k)fluoranthene | 1.361 | 1.255 | 7.8 | 71 | -0.01 |
| 90 | C | Benzo(a)pyrene | 1.273 | 1.182 | 7.1 | 72 | -0.01 |
| 91 | | Dibenzo(a,h)anthracene | 1.297 | 1.252 | 3.5 | 75 | -0.02 |
| 92 | | Benzo(g,h,i)perylene | 1.251 | 1.210 | 3.3 | 75 | -0.02 |

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