Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051521\
Data File : BP005563.D
Acq On : 15 May 2021 11:30
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: May 16 02:42:45 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP050521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 14 12:01:17 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 | 79 | 0.00 |
| 2 | | 1,4-Dioxane | 0.459 | 0.412 | 10.2 | 80 | 0.00 |
| 3 | | Pyridine | 0.923 | 0.989 | -7.2 | 84 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.742 | 0.733 | 1.2 | 77 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.042 | 1.003 | 3.7 | 80 | 0.01 |
| 6 | | Aniline | 1.403 | 1.416 | -0.9 | 82 | 0.00 |
| 7 | S | Phenol-d6 | 1.299 | 1.326 | -2.1 | 80 | 0.01 |
| 8 | | 2-Chlorophenol | 1.119 | 1.125 | -0.5 | 80 | 0.01 |
| 9 | | Benzaldehyde | 0.750 | 0.712 | 5.1 | 83 | 0.01 |
| 10 | C | Phenol | 1.300 | 1.278 | 1.7 | 80 | 0.02 |
| 11 | | bis(2-Chloroethyl)ether | 0.898 | 0.868 | 3.3 | 81 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.489 | 1.412 | 5.2 | 82 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.484 | 1.409 | 5.1 | 80 | 0.01 |
| 14 | | 1,2-Dichlorobenzene | 1.423 | 1.397 | 1.8 | 81 | 0.01 |
| 15 | | Benzyl Alcohol | 1.254 | 1.197 | 4.5 | 75 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 0.443 | 0.432 | 2.5 | 77 | 0.00 |
| 17 | | 2-Methylphenol | 0.893 | 0.942 | -5.5 | 85 | 0.01 |
| 18 | | Hexachloroethane | 0.615 | 0.576 | 6.3 | 78 | 0.01 |
| 19 | P | n-Nitroso-di-n-propylamine | 0.952 | 1.037 | -8.9 | 86 | 0.01 |
| 20 | | 3+4-Methylphenols | 1.187 | 1.249 | -5.2 | 83 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 85 | 0.01 |
| 22 | | Acetophenone | 0.564 | 0.540 | 4.3 | 82 | 0.01 |
| 23 | S | Nitrobenzene-d5 | 0.508 | 0.467 | 8.1 | 79 | 0.01 |
| 24 | | Nitrobenzene | 0.510 | 0.482 | 5.5 | 82 | 0.01 |
| 25 | | Isophorone | 0.787 | 0.778 | 1.1 | 85 | 0.01 |
| 26 | C | 2-Nitrophenol | 0.213 | 0.195 | 8.5 | 82 | 0.01 |
| 27 | | 2,4-Dimethylphenol | 0.283 | 0.268 | 5.3 | 82 | 0.01 |
| 28 | | bis(2-Chloroethoxy)methane | 0.329 | 0.308 | 6.4 | 81 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.444 | 0.403 | 9.2 | 78 | 0.02 |
| 30 | | 1,2,4-Trichlorobenzene | 0.567 | 0.500 | 11.8 | 77 | 0.01 |
| 31 | | Naphthalene | 1.075 | 0.996 | 7.3 | 79 | 0.01 |
| 32 | | Benzoic acid | 0.218 | 0.193 | 11.5 | 74 | 0.02 |
| 33 | | 4-Chloroaniline | 0.419 | 0.395 | 5.7 | 81 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.473 | 0.416 | 12.1 | 79 | 0.01 |
| 35 | | Caprolactam | 0.102 | 0.101 | 1.0 | 82 | 0.02 |
| 36 | C | 4-Chloro-3-methylphenol | 0.396 | 0.383 | 3.3 | 83 | 0.01 |
| 37 | | 2-Methylnaphthalene | 0.863 | 0.811 | 6.0 | 82 | 0.01 |
| 38 | | 1-Methylnaphthalene | 0.814 | 0.781 | 4.1 | 82 | 0.01 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 84 | 0.01 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.919 | 0.807 | 12.2 | 82 | 0.01 |
| 41 | P | Hexachlorocyclopentadiene | 0.313 | 0.280 | 10.5 | 75 | 0.02 |
| 42 | S | 2,4,6-Tribromophenol | 0.568 | 0.495 | 12.9 | 79 | 0.02 |
| 43 | C | 2,4,6-Trichlorophenol | 0.574 | 0.509 | 11.3 | 78 | 0.01 |
| 44 | | 2,4,5-Trichlorophenol | 0.620 | 0.567 | 8.5 | 83 | 0.01 |
| 45 | S | 2-Fluorobiphenyl | 1.773 | 1.618 | 8.7 | 82 | 0.01 |
| 46 | | 1,1'-Biphenyl | 1.540 | 1.408 | 8.6 | 82 | 0.01 |
| 47 | | 2-Chloronaphthalene | 1.282 | 1.166 | 9.0 | 82 | 0.02 |

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

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Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 48 | | 2-Nitroaniline | 0.364 | 0.354 | 2.7 | 82 | 0.01 |
| 49 | | Acenaphthylene | 1.847 | 1.709 | 7.5 | 82 | 0.01 |
| 50 | | Dimethylphthalate | 1.726 | 1.594 | 7.6 | 83 | 0.01 |
| 51 | | 2,6-Dinitrotoluene | 0.388 | 0.362 | 6.7 | 83 | 0.01 |
| 52 | C | Acenaphthene | 1.149 | 1.028 | 10.5 | 79 | 0.01 |
| 53 | | 3-Nitroaniline | 0.278 | 0.251 | 9.7 | 76 | 0.01 |
| 54 | P | 2,4-Dinitrophenol | 0.234 | 0.223 | 4.7 | 77 | 0.01 |
| 55 | | Dibenzofuran | 2.162 | 1.955 | 9.6 | 81 | 0.02 |
| 56 | P | 4-Nitrophenol | 0.210 | 0.214 | -1.9 | 84 | 0.01 |
| 57 | | 2,4-Dinitrotoluene | 0.572 | 0.533 | 6.8 | 85 | 0.01 |
| 58 | | Fluorene | 1.765 | 1.607 | 9.0 | 79 | 0.02 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.619 | 0.562 | 9.2 | 80 | 0.02 |
| 60 | | Diethylphthalate | 1.672 | 1.543 | 7.7 | 82 | 0.01 |
| 61 | | 4-Chlorophenyl-phenylether | 1.105 | 1.008 | 8.8 | 83 | 0.02 |
| 62 | | 4-Nitroaniline | 0.267 | 0.250 | 6.4 | 81 | 0.01 |
| 63 | | Azobenzene | 1.724 | 1.617 | 6.2 | 81 | 0.02 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 83 | 0.01 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.158 | 0.148 | 6.3 | 75 | 0.01 |
| 66 | c | n-Nitrosodiphenylamine | 0.584 | 0.556 | 4.8 | 79 | 0.02 |
| 67 | | 4-Bromophenyl-phenylether | 0.312 | 0.299 | 4.2 | 84 | 0.01 |
| 68 | | Hexachlorobenzene | 0.396 | 0.372 | 6.1 | 84 | 0.02 |
| 69 | | Atrazine | 0.273 | 0.258 | 5.5 | 82 | 0.02 |
| 70 | C | Pentachlorophenol | 0.210 | 0.172 | 18.1 | 70 | 0.01 |
| 71 | | Phenanthrene | 1.136 | 1.063 | 6.4 | 79 | 0.01 |
| 72 | | Anthracene | 1.128 | 1.059 | 6.1 | 80 | 0.01 |
| 73 | | Carbazole | 0.993 | 0.910 | 8.4 | 77 | 0.02 |
| 74 | | Di-n-butylphthalate | 1.090 | 1.037 | 4.9 | 81 | 0.02 |
| 75 | C | Fluoranthene | 1.563 | 1.432 | 8.4 | 79 | 0.01 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 77 | 0.01 |
| 77 | | Benzidine | 0.310 | 0.342 | -10.3 | 80 | 0.01 |
| 78 | | Pyrene | 1.132 | 1.103 | 2.6 | 79 | 0.01 |
| 79 | S | Terphenyl-d14 | 1.178 | 1.170 | 0.7 | 79 | 0.01 |
| 80 | | Butylbenzylphthalate | 0.366 | 0.374 | -2.2 | 81 | 0.01 |
| 81 | | Benzo(a)anthracene | 1.296 | 1.237 | 4.6 | 77 | 0.01 |
| 82 | | 3,3'-Dichlorobenzidine | 0.488 | 0.466 | 4.5 | 78 | 0.01 |
| 83 | | Chrysene | 1.256 | 1.207 | 3.9 | 77 | 0.01 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.559 | 0.562 | -0.5 | 78 | 0.01 |
| 85 | c | Di-n-octyl phthalate | 0.940 | 0.951 | -1.2 | 80 | 0.01 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 81 | 0.02 |
| 87 | | Indeno(1,2,3-cd)pyrene | 1.683 | 1.571 | 6.7 | 79 | 0.04 |
| 88 | | Benzo(b)fluoranthene | 1.333 | 1.224 | 8.2 | 74 | 0.02 |
| 89 | | Benzo(k)fluoranthene | 1.303 | 1.214 | 6.8 | 81 | 0.02 |
| 90 | C | Benzo(a)pyrene | 1.222 | 1.124 | 8.0 | 77 | 0.02 |
| 91 | | Dibenzo(a,h)anthracene | 1.485 | 1.383 | 6.9 | 78 | 0.04 |
| 92 | | Benzo(g,h,i)perylene | 1.374 | 1.260 | 8.3 | 76 | 0.04 |

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