Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092421\
Data File : BP007161.D
Acq On : 24 Sep 2021 16:28
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Sep 24 17:06:45 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 23 11:17:25 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 | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | 1,4-Dichlorobenzene-d4 | 20.000 | 20.000 | 0.0 | 92 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 39.467 | 1.3 | 95 | 0.00 |
| 3 | | Pyridine | 40.000 | 38.002 | 5.0 | 88 | -0.01 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 38.196 | 4.5 | 89 | -0.01 |
| 5 | S | 2-Fluorophenol | 80.000 | 77.386 | 3.3 | 92 | 0.00 |
| 6 | | Aniline | 40.000 | 36.978 | 7.6 | 86 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 74.111 | 7.4 | 86 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 38.155 | 4.6 | 90 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 37.636 | 5.9 | 86 | 0.00 |
| 10 | C | Phenol | 40.000 | 37.018 | 7.5 | 86 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 36.563 | 8.6 | 86 | -0.01 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 38.449 | 3.9 | 92 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 38.259 | 4.4 | 91 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 37.867 | 5.3 | 90 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 37.243 | 6.9 | 86 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 35.461 | 11.3 | 83 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 37.321 | 6.7 | 86 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 38.762 | 3.1 | 92 | -0.01 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 35.478 | 11.3 | 83 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 36.735 | 8.2 | 85 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 85 | 0.00 |
| 22 | | Acetophenone | 40.000 | 39.039 | 2.4 | 85 | -0.01 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 78.819 | 1.5 | 84 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 39.173 | 2.1 | 83 | 0.00 |
| 25 | | Isophorone | 40.000 | 38.521 | 3.7 | 82 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 41.739 | -4.3 | 88 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 39.076 | 2.3 | 83 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 37.616 | 6.0 | 81 | -0.01 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 40.013 | -0.0 | 85 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 39.856 | 0.4 | 87 | 0.00 |
| 31 | | Naphthalene | 40.000 | 38.851 | 2.9 | 84 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 40.759 | -1.9 | 83 | 0.00 |
| 33 | | 4-Chloroaniline | 40.000 | 38.721 | 3.2 | 83 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 40.761 | -1.9 | 89 | -0.01 |
| 35 | | Caprolactam | 40.000 | 40.249 | -0.6 | 83 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 38.180 | 4.6 | 82 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 38.071 | 4.8 | 83 | 0.00 |
| 38 | | 1-Methylnaphthalene | 40.000 | 38.030 | 4.9 | 83 | 0.00 |
| 39 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 82 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 40.106 | -0.3 | 83 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 40.000 | 37.725 | 5.7 | 77 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 80.000 | 82.243 | -2.8 | 84 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 40.000 | 40.924 | -2.3 | 84 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 40.000 | 40.671 | -1.7 | 83 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 80.000 | 78.956 | 1.3 | 83 | 0.00 |
| 46 | | 1,1'-Biphenyl | 40.000 | 39.124 | 2.2 | 82 | 0.00 |
| 47 | | 2-Chloronaphthalene | 40.000 | 39.372 | 1.6 | 83 | 0.00 |

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**Instrument :** BNA_P
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Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 48 | | 2-Nitroaniline | 40.000 | 40.755 | -1.9 | 82 | 0.00 |
| 49 | | Acenaphthylene | 40.000 | 39.588 | 1.0 | 82 | 0.00 |
| 50 | | Dimethylphthalate | 40.000 | 39.065 | 2.3 | 82 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 40.000 | 40.741 | -1.9 | 83 | 0.00 |
| 52 | C | Acenaphthene | 40.000 | 38.963 | 2.6 | 81 | 0.00 |
| 53 | | 3-Nitroaniline | 40.000 | 40.924 | -2.3 | 82 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 40.000 | 42.823 | -7.1 | 82 | 0.00 |
| 55 | | Dibenzofuran | 40.000 | 38.875 | 2.8 | 82 | 0.00 |
| 56 | P | 4-Nitrophenol | 40.000 | 41.590 | -4.0 | 80 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 40.000 | 41.497 | -3.7 | 83 | 0.00 |
| 58 | | Fluorene | 40.000 | 38.912 | 2.7 | 81 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 40.150 | -0.4 | 83 | 0.00 |
| 60 | | Diethylphthalate | 40.000 | 39.016 | 2.5 | 82 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 40.000 | 39.021 | 2.4 | 82 | 0.00 |
| 62 | | 4-Nitroaniline | 40.000 | 42.530 | -6.3 | 84 | 0.00 |
| 63 | | Azobenzene | 40.000 | 38.920 | 2.7 | 81 | 0.00 |
| 64 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 82 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 40.000 | 42.412 | -6.0 | 83 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 40.000 | 38.928 | 2.7 | 81 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 40.000 | 39.444 | 1.4 | 83 | 0.00 |
| 68 | | Hexachlorobenzene | 40.000 | 39.033 | 2.4 | 83 | 0.00 |
| 69 | | Atrazine | 40.000 | 40.113 | -0.3 | 82 | 0.00 |
| 70 | C | Pentachlorophenol | 40.000 | 40.519 | -1.3 | 82 | 0.00 |
| 71 | | Phenanthrene | 40.000 | 38.795 | 3.0 | 82 | 0.00 |
| 72 | | Anthracene | 40.000 | 39.496 | 1.3 | 83 | 0.00 |
| 73 | | Carbazole | 40.000 | 39.628 | 0.9 | 82 | 0.00 |
| 74 | | Di-n-butylphthalate | 40.000 | 40.571 | -1.4 | 83 | 0.00 |
| 75 | C | Fluoranthene | 40.000 | 39.898 | 0.3 | 83 | 0.00 |
| 76 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 83 | 0.00 |
| 77 | | Benzidine | 40.000 | 37.980 | 5.1 | 80 | 0.00 |
| 78 | | Pyrene | 40.000 | 38.515 | 3.7 | 83 | 0.00 |
| 79 | S | Terphenyl-d14 | 80.000 | 77.083 | 3.6 | 82 | 0.00 |
| 80 | | Butylbenzylphthalate | 40.000 | 41.064 | -2.7 | 85 | 0.00 |
| 81 | | Benzo(a)anthracene | 40.000 | 38.983 | 2.5 | 83 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 40.000 | 40.068 | -0.2 | 83 | 0.00 |
| 83 | | Chrysene | 40.000 | 38.567 | 3.6 | 82 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 40.000 | 40.695 | -1.7 | 84 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 40.000 | 41.957 | -4.9 | 87 | 0.00 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 86 | 0.00 |
| 87 | | Indeno(1,2,3-cd)pyrene | 40.000 | 39.455 | 1.4 | 87 | 0.00 |
| 88 | | Benzo(b)fluoranthene | 40.000 | 38.709 | 3.2 | 84 | 0.00 |
| 89 | | Benzo(k)fluoranthene | 40.000 | 38.085 | 4.8 | 84 | 0.00 |
| 90 | C | Benzo(a)pyrene | 40.000 | 39.185 | 2.0 | 86 | 0.00 |
| 91 | | Dibenzo(a,h)anthracene | 40.000 | 39.448 | 1.4 | 87 | 0.00 |
| 92 | | Benzo(g,h,i)perylene | 40.000 | 39.646 | 0.9 | 87 | 0.00 |

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