Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121521\
Data File : BP008429.D
Acq On : 15 Dec 2021 23:56
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Dec 16 06:46:57 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP121421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 14 17:59:47 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 | 79 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 43.457 | -8.6 | 78 | 0.00 |
| 3 | | Pyridine | 40.000 | 38.919 | 2.7 | 76 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 38.337 | 4.2 | 76 | 0.00 |
| 5 | S | 2-Fluorophenol | 80.000 | 81.630 | -2.0 | 81 | 0.00 |
| 6 | | Aniline | 40.000 | 39.101 | 2.2 | 74 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 79.986 | 0.0 | 75 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 40.300 | -0.7 | 77 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 41.296 | -3.2 | 78 | 0.00 |
| 10 | C | Phenol | 40.000 | 39.353 | 1.6 | 75 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 36.805 | 8.0 | 74 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 39.822 | 0.4 | 78 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 39.416 | 1.5 | 77 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 39.510 | 1.2 | 77 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 38.491 | 3.8 | 70 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 36.022 | 9.9 | 72 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 39.132 | 2.2 | 73 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 35.657 | 10.9 | 70 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 34.821 | 12.9 | 68 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 39.076 | 2.3 | 73 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 73 | 0.00 |
| 22 | | Acetophenone | 40.000 | 40.062 | -0.2 | 71 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 82.153 | -2.7 | 72 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 41.291 | -3.2 | 73 | 0.00 |
| 25 | | Isophorone | 40.000 | 39.683 | 0.8 | 70 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 38.618 | 3.5 | 68 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 41.019 | -2.5 | 71 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 39.433 | 1.4 | 68 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 41.712 | -4.3 | 72 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 41.228 | -3.1 | 74 | 0.00 |
| 31 | | Naphthalene | 40.000 | 40.537 | -1.3 | 73 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 44.017 | -10.0 | 70 | -0.01 |
| 33 | | 4-Chloroaniline | 40.000 | 41.824 | -4.6 | 73 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 41.219 | -3.0 | 74 | 0.00 |
| 35 | | Caprolactam | 40.000 | 45.549 | -13.9 | 79 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 42.236 | -5.6 | 73 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 41.223 | -3.1 | 73 | 0.00 |
| 38 | | 1-Methylnaphthalene | 40.000 | 41.613 | -4.0 | 73 | 0.00 |
| 39 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 78 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 38.674 | 3.3 | 74 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 40.000 | 12.059 | 69.9# | 9 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 80.000 | 92.006 | -15.0 | 88 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 40.000 | 40.195 | -0.5 | 74 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 40.000 | 41.511 | -3.8 | 78 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 80.000 | 76.717 | 4.1 | 73 | 0.00 |
| 46 | | 1,1'-Biphenyl | 40.000 | 39.146 | 2.1 | 74 | 0.00 |
| 47 | | 2-Chloronaphthalene | 40.000 | 39.337 | 1.7 | 75 | 0.00 |

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

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 48 | | 2-Nitroaniline | 40.000 | 42.957 | -7.4 | 80 | 0.00 |
| 49 | | Acenaphthylene | 40.000 | 41.083 | -2.7 | 78 | 0.00 |
| 50 | | Dimethylphthalate | 40.000 | 40.660 | -1.6 | 78 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 40.000 | 41.409 | -3.5 | 79 | 0.00 |
| 52 | C | Acenaphthene | 40.000 | 41.003 | -2.5 | 77 | 0.00 |
| 53 | | 3-Nitroaniline | 40.000 | 46.090 | -15.2 | 87 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 40.000 | 10.955 | 72.6# | 20 | 0.02 |
| 55 | | Dibenzofuran | 40.000 | 41.498 | -3.7 | 80 | 0.00 |
| 56 | P | 4-Nitrophenol | 40.000 | 46.451 | -16.1 | 84 | 0.02 |
| 57 | | 2,4-Dinitrotoluene | 40.000 | 43.344 | -8.4 | 83 | 0.00 |
| 58 | | Fluorene | 40.000 | 42.736 | -6.8 | 83 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 44.221 | -10.6 | 84 | 0.00 |
| 60 | | Diethylphthalate | 40.000 | 43.087 | -7.7 | 84 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 40.000 | 42.094 | -5.2 | 81 | 0.00 |
| 62 | | 4-Nitroaniline | 40.000 | 52.634 | -31.6# | 100 | 0.00 |
| 63 | | Azobenzene | 40.000 | 42.420 | -6.1 | 81 | 0.00 |
| 64 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 92 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 40.000 | 12.836 | 67.9# | 27 | 0.01 |
| 66 | c | n-Nitrosodiphenylamine | 40.000 | 38.267 | 4.3 | 84 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 40.000 | 38.975 | 2.6 | 86 | 0.00 |
| 68 | | Hexachlorobenzene | 40.000 | 39.712 | 0.7 | 89 | 0.00 |
| 69 | | Atrazine | 40.000 | 42.912 | -7.3 | 92 | 0.00 |
| 70 | C | Pentachlorophenol | 40.000 | 46.676 | -16.7 | 98 | 0.00 |
| 71 | | Phenanthrene | 40.000 | 41.261 | -3.2 | 94 | 0.00 |
| 72 | | Anthracene | 40.000 | 41.700 | -4.3 | 94 | 0.00 |
| 73 | | Carbazole | 40.000 | 44.321 | -10.8 | 102 | 0.00 |
| 74 | | Di-n-butylphthalate | 40.000 | 44.072 | -10.2 | 102 | 0.00 |
| 75 | C | Fluoranthene | 40.000 | 46.717 | -16.8 | 111 | 0.00 |
| 76 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 128 | 0.00 |
| 77 | | Benzidine | 40.000 | 55.718 | -39.3# | 161 | 0.00 |
| 78 | | Pyrene | 40.000 | 35.589 | 11.0 | 114 | 0.00 |
| 79 | S | Terphenyl-d14 | 80.000 | 75.477 | 5.7 | 116 | 0.00 |
| 80 | | Butylbenzylphthalate | 40.000 | 40.406 | -1.0 | 128 | 0.00 |
| 81 | | Benzo(a)anthracene | 40.000 | 41.930 | -4.8 | 132 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 40.000 | 45.331 | -13.3 | 144 | 0.00 |
| 83 | | Chrysene | 40.000 | 41.308 | -3.3 | 132 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 40.000 | 41.262 | -3.2 | 130 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 40.000 | 42.753 | -6.9 | 135 | 0.00 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 132 | 0.00 |
| 87 | | Indeno(1,2,3-cd)pyrene | 40.000 | 40.049 | -0.1 | 128 | 0.02 |
| 88 | | Benzo(b)fluoranthene | 40.000 | 42.227 | -5.6 | 137 | 0.01 |
| 89 | | Benzo(k)fluoranthene | 40.000 | 40.282 | -0.7 | 130 | 0.01 |
| 90 | C | Benzo(a)pyrene | 40.000 | 41.210 | -3.0 | 134 | 0.01 |
| 91 | | Dibenzo(a,h)anthracene | 40.000 | 39.941 | 0.1 | 127 | 0.01 |
| 92 | | Benzo(g,h,i)perylene | 40.000 | 39.372 | 1.6 | 125 | 0.02 |

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

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