Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072516\
Data File : BF089270.D
Acq On : 25 Jul 2016 10:41
Operator : UM/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_F
**LabSampleId :** SSTDCCC040

Quant Time: Jul 26 11:26:31 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 25 16:56:43 2016
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 | 116 | 0.00 |
| 2 | | 1,4-Dioxane | 0.571 | 0.602 | -5.4 | 123 | 0.00 |
| 3 | | Pyridine | 1.450 | 1.369 | 5.6 | 112 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.611 | 0.548 | 10.3 | 104 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.315 | 1.321 | -0.5 | 118 | 0.00 |
| 6 | | Aniline | 2.291 | 2.155 | 5.9 | 114 | 0.00 |
| 7 | S | Phenol-d6 | 1.696 | 1.666 | 1.8 | 118 | 0.00 |
| 8 | | 2-Chlorophenol | 1.459 | 1.556 | -6.6 | 129 | 0.00 |
| 9 | | Benzaldehyde | 0.906 | 0.756 | 16.6 | 100 | 0.00 |
| 10 | C | Phenol | 1.954 | 1.971 | -0.9 | 117 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.467 | 1.584 | -8.0 | 125 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.611 | 1.582 | 1.8 | 123 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.623 | 1.729 | -6.5 | 132 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.530 | 1.495 | 2.3 | 112 | 0.00 |
| 15 | | Benzyl Alcohol | 1.242 | 1.176 | 5.3 | 108 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.672 | 1.696 | -1.4 | 120 | 0.00 |
| 17 | | 2-Methylphenol | 1.149 | 1.086 | 5.5 | 111 | 0.00 |
| 18 | | Hexachloroethane | 0.610 | 0.657 | -7.7 | 132 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.109 | 1.141 | -2.9 | 117 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.560 | 1.487 | 4.7 | 110 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 123 | 0.00 |
| 22 | | Acetophenone | 0.534 | 0.535 | -0.2 | 121 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.376 | 0.365 | 2.9 | 124 | 0.00 |
| 24 | | Nitrobenzene | 0.397 | 0.381 | 4.0 | 114 | 0.00 |
| 25 | | Isophorone | 0.694 | 0.670 | 3.5 | 121 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.185 | 0.178 | 3.8 | 124 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.312 | 0.282 | 9.6 | 118 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.434 | 0.439 | -1.2 | 117 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.281 | 0.280 | 0.4 | 124 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.311 | 0.297 | 4.5 | 118 | 0.00 |
| 31 | | Naphthalene | 1.079 | 1.024 | 5.1 | 125 | 0.00 |
| 32 | | Benzoic acid | 0.240 | 0.225 | 6.2 | 111 | 0.00 |
| 33 | | 4-Chloroaniline | 0.454 | 0.426 | 6.2 | 116 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.173 | 0.173 | 0.0 | 122 | 0.00 |
| 35 | | Caprolactam | 0.087 | 0.087 | 0.0 | 124 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.339 | 0.341 | -0.6 | 128 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.688 | 0.632 | 8.1 | 112 | 0.00 |
| 38 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 119 | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 0.743 | 0.705 | 5.1 | 121 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 0.201 | 0.226 | -12.4 | 129 | 0.00 |
| 41 | S | 2,4,6-Tribromophenol | 0.180 | 0.187 | -3.9 | 129 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 0.416 | 0.384 | 7.7 | 107 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 0.418 | 0.435 | -4.1 | 121 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 1.452 | 1.527 | -5.2 | 119 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 1.801 | 1.699 | 5.7 | 123 | 0.00 |
| 46 | | 2-Chloronaphthalene | 1.369 | 1.365 | 0.3 | 125 | 0.00 |
| 47 | | 2-Nitroaniline | 0.470 | 0.437 | 7.0 | 117 | 0.00 |
| 48 | | Acenaphthylene | 2.152 | 2.225 | -3.4 | 129 | 0.00 |
| 49 | | Dimethylphthalate | 1.535 | 1.561 | -1.7 | 117 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 0.346 | 0.346 | 0.0 | 112 | 0.00 |
| 51 | C | Acenaphthene | 1.273 | 1.427 | -12.1 | 138 | 0.00 |
| 52 | | 3-Nitroaniline | 0.411 | 0.413 | -0.5 | 112 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 0.141 | 0.147 | -4.3 | 114 | 0.00 |
| 54 | | Dibenzofuran | 1.720 | 1.737 | -1.0 | 123 | 0.00 |
| 55 | P | 4-Nitrophenol | 0.249 | 0.200 | 19.7 | 88 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 0.446 | 0.432 | 3.1 | 115 | 0.00 |
| 57 | | Fluorene | 1.460 | 1.418 | 2.9 | 107 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 0.300 | 0.333 | -11.0 | 126 | 0.00 |
| 59 | | Diethylphthalate | 1.522 | 1.448 | 4.9 | 118 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 0.667 | 0.605 | 9.3 | 113 | 0.00 |
| 61 | | 4-Nitroaniline | 0.400 | 0.379 | 5.3 | 115 | 0.00 |
| 62 | | Azobenzene | 1.654 | 1.632 | 1.3 | 127 | 0.00 |
| 63 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 114 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.116 | 0.131 | -12.9 | 122 | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 0.668 | 0.661 | 1.0 | 121 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 0.198 | 0.206 | -4.0 | 120 | 0.00 |
| 67 | | Hexachlorobenzene | 0.213 | 0.197 | 7.5 | 113 | 0.00 |
| 68 | | Atrazine | 0.209 | 0.216 | -3.3 | 119 | 0.00 |
| 69 | C | Pentachlorophenol | 0.098 | 0.107 | -9.2 | 120 | 0.00 |
| 70 | | Phenanthrene | 1.097 | 1.101 | -0.4 | 124 | 0.00 |
| 71 | | Anthracene | 1.140 | 1.126 | 1.2 | 112 | 0.00 |
| 72 | | Carbazole | 1.002 | 0.996 | 0.6 | 109 | 0.00 |
| 73 | | Di-n-butylphthalate | 1.239 | 1.260 | -1.7 | 128 | 0.00 |
| 74 | C | Fluoranthene | 1.153 | 1.179 | -2.3 | 129 | 0.00 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 122 | 0.00 |
| 76 | | Benzidine | 0.688 | 0.704 | -2.3 | 126 | 0.00 |
| 77 | | Pyrene | 1.652 | 1.468 | 11.1 | 107 | 0.00 |
| 78 | S | Terphenyl-d14 | 0.922 | 0.864 | 6.3 | 127 | 0.00 |
| 79 | | Butylbenzylphthalate | 0.699 | 0.729 | -4.3 | 126 | 0.00 |
| 80 | | Benzo(a)anthracene | 1.274 | 1.227 | 3.7 | 121 | 0.00 |
| 81 | | 3,3'-Dichlorobenzidine | 0.423 | 0.433 | -2.4 | 113 | 0.00 |
| 82 | | Chrysene | 1.217 | 1.053 | 13.5 | 102 | 0.00 |
| 83 | | Bis(2-ethylhexyl)phthalate | 0.927 | 0.973 | -5.0 | 134 | 0.00 |
| 84 | c | Di-n-octyl phthalate | 1.529 | 1.556 | -1.8 | 127 | 0.00 |
| 85 | | Indeno(1,2,3-cd)pyrene | 0.884 | 0.784 | 11.3 | 109 | 0.00 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 111 | 0.00 |
| 87 | | Benzo(b)fluoranthene | 1.449 | 1.271 | 12.3 | 86 | 0.00 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 1.036 | 1.183 | -14.2 | 153# | 0.00 |
| 89 C | Benzo(a)pyrene | 1.125 | 1.113 | 1.1 | 114 | 0.00 |
| 90 | Dibenzo(a,h)anthracene | 0.888 | 0.866 | 2.5 | 111 | 0.00 |
| 91 | Benzo(g,h,i)perylene | 0.895 | 0.816 | 8.8 | 104 | 0.00 |

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