Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092024\
Data File : BF139493.D
Acq On : 20 Sep 2024 10:09
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Sep 20 11:16:14 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 14 02:58:23 2024
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 | 138 | 0.00 |
| 2 | | 1,4-Dioxane | 0.492 | 0.530 | -7.7 | 148 | -0.02 |
| 3 | | Pyridine | 1.084 | 1.258 | -16.1 | 158# | -0.02 |
| 4 | | n-Nitrosodimethylamine | 0.940 | 0.868 | 7.7 | 127 | -0.02 |
| 5 | S | 2-Fluorophenol | 1.226 | 1.222 | 0.3 | 139 | 0.00 |
| 6 | | Aniline | 1.214 | 1.237 | -1.9 | 143 | -0.02 |
| 7 | S | Phenol-d6 | 1.609 | 1.611 | -0.1 | 139 | 0.00 |
| 8 | | 2-Chlorophenol | 1.262 | 1.281 | -1.5 | 143 | 0.00 |
| 9 | | Benzaldehyde | 0.930 | 0.810 | 12.9 | 134 | 0.00 |
| 10 | C | Phenol | 1.639 | 1.692 | -3.2 | 145 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.246 | 1.258 | -1.0 | 153# | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.435 | 1.419 | 1.1 | 139 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.450 | 1.457 | -0.5 | 141 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.370 | 1.360 | 0.7 | 140 | 0.00 |
| 15 | | Benzyl Alcohol | 1.284 | 1.241 | 3.3 | 134 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.920 | 2.153 | -12.1 | 159# | 0.00 |
| 17 | | 2-Methylphenol | 1.003 | 1.039 | -3.6 | 146 | 0.00 |
| 18 | | Hexachloroethane | 0.552 | 0.528 | 4.3 | 134 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 0.954 | 0.960 | -0.6 | 141 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.368 | 1.355 | 1.0 | 139 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 148 | 0.00 |
| 22 | | Acetophenone | 0.523 | 0.496 | 5.2 | 136 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.425 | 0.412 | 3.1 | 138 | 0.00 |
| 24 | | Nitrobenzene | 0.438 | 0.427 | 2.5 | 139 | 0.00 |
| 25 | | Isophorone | 0.673 | 0.674 | -0.1 | 145 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.171 | 0.183 | -7.0 | 148 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.225 | 0.230 | -2.2 | 144 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.383 | 0.392 | -2.3 | 149 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.286 | 0.287 | -0.3 | 143 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.333 | 0.321 | 3.6 | 139 | 0.00 |
| 31 | | Naphthalene | 1.044 | 1.034 | 1.0 | 143 | 0.00 |
| 32 | | Benzoic acid | 0.211 | 0.216 | -2.4 | 145 | 0.00 |
| 33 | | 4-Chloroaniline | 0.319 | 0.326 | -2.2 | 143 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.226 | 0.206 | 8.8 | 131 | 0.00 |
| 35 | | Caprolactam | 0.088 | 0.094 | -6.8 | 149 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.327 | 0.324 | 0.9 | 140 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.663 | 0.648 | 2.3 | 141 | 0.00 |
| 38 | | 1-Methylnaphthalene | 0.651 | 0.640 | 1.7 | 143 | 0.00 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 149 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.593 | 0.577 | 2.7 | 139 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 0.207 | 0.186 | 10.1 | 121 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 0.213 | 0.192 | 9.9 | 125 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 0.386 | 0.380 | 1.6 | 135 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 0.407 | 0.415 | -2.0 | 143 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 1.426 | 1.336 | 6.3 | 134 | 0.00 |
| 46 | | 1,1'-Biphenyl | 1.539 | 1.504 | 2.3 | 139 | 0.00 |
| 47 | | 2-Chloronaphthalene | 1.150 | 1.150 | 0.0 | 141 | 0.00 |

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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) |
|---|---|---|---|---|---|---|---|
| 48 | | 2-Nitroaniline | 0.428 | 0.434 | -1.4 | 143 | 0.00 |
| 49 | | Acenaphthylene | 1.732 | 1.741 | -0.5 | 143 | 0.00 |
| 50 | | Dimethylphthalate | 1.313 | 1.264 | 3.7 | 137 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 0.291 | 0.301 | -3.4 | 144 | 0.00 |
| 52 | C | Acenaphthene | 1.209 | 1.198 | 0.9 | 139 | 0.00 |
| 53 | | 3-Nitroaniline | 0.291 | 0.307 | -5.5 | 144 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 0.162 | 0.161 | 0.6 | 135 | 0.00 |
| 55 | | Dibenzofuran | 1.685 | 1.666 | 1.1 | 140 | 0.00 |
| 56 | P | 4-Nitrophenol | 0.240 | 0.235 | 2.1 | 133 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 0.393 | 0.400 | -1.8 | 138 | 0.00 |
| 58 | | Fluorene | 1.375 | 1.313 | 4.5 | 133 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.336 | 0.326 | 3.0 | 136 | 0.00 |
| 60 | | Diethylphthalate | 1.355 | 1.267 | 6.5 | 131 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 0.668 | 0.624 | 6.6 | 132 | 0.00 |
| 62 | | 4-Nitroaniline | 0.317 | 0.302 | 4.7 | 130 | 0.00 |
| 63 | | Azobenzene | 1.332 | 1.307 | 1.9 | 137 | 0.00 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 142 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.106 | 0.116 | -9.4 | 141 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 0.585 | 0.583 | 0.3 | 138 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 0.198 | 0.194 | 2.0 | 134 | 0.00 |
| 68 | | Hexachlorobenzene | 0.233 | 0.223 | 4.3 | 130 | 0.00 |
| 69 | | Atrazine | 0.139 | 0.123 | 11.5 | 145 | 0.00 |
| 70 | C | Pentachlorophenol | 0.140 | 0.135 | 3.6 | 128 | 0.00 |
| 71 | | Phenanthrene | 0.965 | 0.958 | 0.7 | 136 | 0.00 |
| 72 | | Anthracene | 0.943 | 0.947 | -0.4 | 136 | 0.00 |
| 73 | | Carbazole | 0.903 | 0.920 | -1.9 | 138 | 0.00 |
| 74 | | Di-n-butylphthalate | 1.006 | 0.975 | 3.1 | 129 | 0.00 |
| 75 | C | Fluoranthene | 1.030 | 1.036 | -0.6 | 136 | 0.00 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 130 | 0.00 |
| 77 | | Benzidine | 0.287 | 0.249 | 13.2 | 85 | 0.00 |
| 78 | | Pyrene | 1.717 | 2.023 | -17.8 | 137 | 0.00 |
| 79 | S | Terphenyl-d14 | 1.218 | 1.315 | -8.0 | 127 | 0.00 |
| 80 | | Butylbenzylphthalate | 0.585 | 0.614 | -5.0 | 128 | 0.00 |
| 81 | | Benzo(a)anthracene | 1.325 | 1.307 | 1.4 | 126 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 0.388 | 0.355 | 8.5 | 124 | 0.00 |
| 83 | | Chrysene | 1.219 | 1.222 | -0.2 | 129 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.744 | 0.717 | 3.6 | 122 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 1.095 | 0.971 | 11.3 | 112 | 0.00 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 135 | 0.00 |
| 87 | | Indeno(1,2,3-cd)pyrene | 1.189 | 1.283 | -7.9 | 127 | 0.00 |
| 88 | | Benzo(b)fluoranthene | 1.233 | 1.206 | 2.2 | 132 | 0.00 |
| 89 | | Benzo(k)fluoranthene | 1.137 | 1.048 | 7.8 | 118 | 0.00 |
| 90 | C | Benzo(a)pyrene | 1.023 | 1.027 | -0.4 | 129 | 0.00 |
| 91 | | Dibenzo(a,h)anthracene | 0.983 | 1.049 | -6.7 | 129 | 0.00 |
| 92 | | Benzo(g,h,i)perylene | 0.973 | 1.111 | -14.2 | 135 | 0.00 |

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