

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF071321\  
 Data File : BF124558.D  
 Acq On : 13 Jul 2021 21:52  
 Operator : JU/CG  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jul 14 02:35:13 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF070721.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jul 08 07:49:42 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   | 142   | 0.00     |
| 2    | 1,4-Dioxane                 | 0.378 | 0.437 | -15.6 | 155#  | 0.05     |
| 3    | Pyridine                    | 0.968 | 1.032 | -6.6  | 148   | 0.04     |
| 4    | n-Nitrosodimethylamine      | 0.787 | 0.842 | -7.0  | 144   | 0.04     |
| 5 S  | 2-Fluorophenol              | 1.154 | 1.165 | -1.0  | 143   | 0.00     |
| 6    | Aniline                     | 1.480 | 1.546 | -4.5  | 149   | 0.00     |
| 7 S  | Phenol-d6                   | 1.404 | 1.462 | -4.1  | 144   | 0.00     |
| 8    | 2-Chlorophenol              | 1.294 | 1.373 | -6.1  | 146   | 0.00     |
| 9    | Benzaldehyde                | 0.824 | 0.738 | 10.4  | 138   | 0.00     |
| 10 C | Phenol                      | 1.371 | 1.417 | -3.4  | 144   | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.063 | 1.119 | -5.3  | 148   | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.416 | 1.544 | -9.0  | 155#  | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.447 | 1.541 | -6.5  | 148   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.375 | 1.414 | -2.8  | 145   | 0.00     |
| 15   | Benzyl Alcohol              | 0.972 | 0.995 | -2.4  | 139   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 1.832 | 1.901 | -3.8  | 145   | 0.00     |
| 17   | 2-Methylphenol              | 0.947 | 0.976 | -3.1  | 143   | 0.00     |
| 18   | Hexachloroethane            | 0.545 | 0.580 | -6.4  | 143   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 0.790 | 0.840 | -6.3  | 147   | 0.00     |
| 20   | 3+4-Methylphenols           | 1.247 | 1.322 | -6.0  | 154#  | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0   | 147   | 0.00     |
| 22   | Acetophenone                | 0.454 | 0.465 | -2.4  | 149   | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.317 | 0.319 | -0.6  | 144   | 0.00     |
| 24   | Nitrobenzene                | 0.314 | 0.319 | -1.6  | 143   | 0.00     |
| 25   | Isophorone                  | 0.582 | 0.569 | 2.2   | 142   | 0.00     |
| 26 C | 2-Nitrophenol               | 0.169 | 0.189 | -11.8 | 158#  | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.281 | 0.293 | -4.3  | 151#  | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.339 | 0.337 | 0.6   | 147   | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.290 | 0.294 | -1.4  | 143   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.321 | 0.323 | -0.6  | 147   | 0.00     |
| 31   | Naphthalene                 | 1.034 | 1.070 | -3.5  | 152#  | 0.00     |
| 32   | Benzoic acid                | 0.196 | 0.207 | -5.6  | 149   | 0.02     |
| 33   | 4-Chloroaniline             | 0.391 | 0.392 | -0.3  | 143   | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.181 | 0.190 | -5.0  | 150#  | 0.00     |
| 35   | Caprolactam                 | 0.073 | 0.076 | -4.1  | 167#  | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.286 | 0.287 | -0.3  | 141   | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.698 | 0.711 | -1.9  | 148   | 0.00     |
| 38   | 1-Methylnaphthalene         | 0.656 | 0.658 | -0.3  | 148   | 0.00     |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0   | 143   | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.533 | 0.581 | -9.0  | 153#  | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 0.333 | 0.349 | -4.8  | 146   | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 0.156 | 0.162 | -3.8  | 147   | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 0.385 | 0.410 | -6.5  | 148   | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 0.397 | 0.409 | -3.0  | 151#  | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 1.372 | 1.418 | -3.4  | 147   | 0.00     |
| 46   | 1,1'-Biphenyl               | 1.519 | 1.593 | -4.9  | 151#  | 0.00     |
| 47   | 2-Chloronaphthalene         | 1.191 | 1.253 | -5.2  | 149   | 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             | 0.286 | 0.310 | -8.4  | 141   | 0.00     |
| 49   | Acenaphthylene             | 1.858 | 1.912 | -2.9  | 147   | 0.00     |
| 50   | Dimethylphthalate          | 1.391 | 1.443 | -3.7  | 148   | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 0.274 | 0.305 | -11.3 | 141   | 0.00     |
| 52 C | Acenaphthene               | 1.188 | 1.264 | -6.4  | 152#  | 0.00     |
| 53   | 3-Nitroaniline             | 0.306 | 0.334 | -9.2  | 152#  | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 0.143 | 0.160 | -11.9 | 161#  | 0.00     |
| 55   | Dibenzofuran               | 1.747 | 1.807 | -3.4  | 148   | 0.00     |
| 56 P | 4-Nitrophenol              | 0.255 | 0.277 | -8.6  | 147   | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 0.376 | 0.424 | -12.8 | 154#  | 0.00     |
| 58   | Fluorene                   | 1.351 | 1.368 | -1.3  | 149   | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.307 | 0.326 | -6.2  | 150   | 0.00     |
| 60   | Diethylphthalate           | 1.455 | 1.481 | -1.8  | 146   | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 0.613 | 0.645 | -5.2  | 149   | 0.00     |
| 62   | 4-Nitroaniline             | 0.309 | 0.339 | -9.7  | 156#  | 0.00     |
| 63   | Azobenzene                 | 1.272 | 1.275 | -0.2  | 146   | 0.00     |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0   | 144   | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 0.114 | 0.128 | -12.3 | 154#  | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 0.651 | 0.677 | -4.0  | 145   | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 0.207 | 0.211 | -1.9  | 144   | 0.00     |
| 68   | Hexachlorobenzene          | 0.212 | 0.225 | -6.1  | 145   | 0.00     |
| 69   | Atrazine                   | 0.199 | 0.198 | 0.5   | 139   | 0.00     |
| 70 C | Pentachlorophenol          | 0.134 | 0.148 | -10.4 | 156#  | 0.00     |
| 71   | Phenanthrene               | 1.091 | 1.107 | -1.5  | 142   | 0.00     |
| 72   | Anthracene                 | 1.095 | 1.115 | -1.8  | 144   | 0.00     |
| 73   | Carbazole                  | 1.011 | 1.031 | -2.0  | 145   | 0.00     |
| 74   | Di-n-butylphthalate        | 1.363 | 1.384 | -1.5  | 142   | 0.00     |
| 75 C | Fluoranthene               | 1.101 | 1.118 | -1.5  | 140   | 0.00     |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0   | 124   | 0.00     |
| 77   | Benzydine                  | 0.748 | 0.730 | 2.4   | 122   | 0.00     |
| 78   | Pyrene                     | 1.662 | 1.799 | -8.2  | 135   | 0.00     |
| 79 S | Terphenyl-d14              | 1.191 | 1.325 | -11.3 | 142   | 0.00     |
| 80   | Butylbenzylphthalate       | 0.803 | 0.840 | -4.6  | 129   | 0.00     |
| 81   | Benzo(a)anthracene         | 1.326 | 1.389 | -4.8  | 131   | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 0.347 | 0.355 | -2.3  | 122   | 0.00     |
| 83   | Chrysene                   | 1.271 | 1.344 | -5.7  | 130   | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 1.079 | 1.113 | -3.2  | 127   | 0.00     |
| 85 c | Di-n-octyl phthalate       | 1.561 | 1.578 | -1.1  | 124   | 0.00     |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0   | 128   | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 1.160 | 1.391 | -19.9 | 146   | 0.00     |
| 88   | Benzo(b)fluoranthene       | 1.436 | 1.526 | -6.3  | 133   | 0.00     |
| 89   | Benzo(k)fluoranthene       | 1.317 | 1.328 | -0.8  | 118   | 0.00     |
| 90 C | Benzo(a)pyrene             | 1.185 | 1.312 | -10.7 | 140   | 0.00     |
| 91   | Dibenzo(a,h)anthracene     | 0.987 | 1.167 | -18.2 | 146   | 0.00     |
| 92   | Benzo(g,h,i)perylene       | 0.964 | 1.126 | -16.8 | 142   | 0.00     |

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| Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|----------|-------|------|------|-------|----------|
|----------|-------|------|------|-------|----------|

(#) = Out of Range

SPCC's out = 0 CCC's out = 0