

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF020624\  
 Data File : BF137290.D  
 Acq On : 06 Feb 2024 14:22  
 Operator : CG\JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Feb 06 14:57:25 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF013024.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jan 31 04:56:22 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    | 123   | 0.00     |
| 2    | 1,4-Dioxane                 | 0.649 | 0.601 | 7.4    | 111   | 0.02     |
| 3    | Pyridine                    | 1.129 | 1.346 | -19.2  | 127   | 0.02     |
| 4    | n-Nitrosodimethylamine      | 0.591 | 0.740 | -25.2# | 149   | 0.03     |
| 5 S  | 2-Fluorophenol              | 1.212 | 1.336 | -10.2  | 124   | 0.00     |
| 6    | Aniline                     | 1.852 | 2.093 | -13.0  | 126   | 0.00     |
| 7 S  | Phenol-d6                   | 1.730 | 1.804 | -4.3   | 123   | 0.00     |
| 8    | 2-Chlorophenol              | 1.355 | 1.451 | -7.1   | 126   | 0.00     |
| 9    | Benzaldehyde                | 0.659 | 0.644 | 2.3    | 105   | 0.00     |
| 10 C | Phenol                      | 1.931 | 2.030 | -5.1   | 123   | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.290 | 1.413 | -9.5   | 131   | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.589 | 1.614 | -1.6   | 122   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.643 | 1.618 | 1.5    | 119   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.536 | 1.541 | -0.3   | 121   | 0.00     |
| 15   | Benzyl Alcohol              | 1.229 | 1.487 | -21.0  | 133   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 2.324 | 2.346 | -0.9   | 122   | 0.00     |
| 17   | 2-Methylphenol              | 1.132 | 1.269 | -12.1  | 133   | 0.00     |
| 18   | Hexachloroethane            | 0.593 | 0.611 | -3.0   | 124   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 1.186 | 1.284 | -8.3   | 130   | 0.00     |
| 20   | 3+4-Methylphenols           | 1.433 | 1.593 | -11.2  | 129   | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0    | 126   | 0.00     |
| 22   | Acetophenone                | 0.538 | 0.573 | -6.5   | 128   | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.447 | 0.488 | -9.2   | 129   | 0.00     |
| 24   | Nitrobenzene                | 0.434 | 0.469 | -8.1   | 127   | 0.00     |
| 25   | Isophorone                  | 0.825 | 0.873 | -5.8   | 130   | 0.00     |
| 26 C | 2-Nitrophenol               | 0.149 | 0.182 | -22.1# | 135   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.236 | 0.246 | -4.2   | 123   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.438 | 0.459 | -4.8   | 124   | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.292 | 0.326 | -11.6  | 130   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.363 | 0.372 | -2.5   | 124   | 0.00     |
| 31   | Naphthalene                 | 1.081 | 1.105 | -2.2   | 125   | 0.00     |
| 32   | Benzoic acid                | 0.140 | 0.207 | -47.9# | 173#  | 0.02     |
| 33   | 4-Chloroaniline             | 0.372 | 0.427 | -14.8  | 134   | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.241 | 0.251 | -4.1   | 128   | 0.00     |
| 35   | Caprolactam                 | 0.091 | 0.113 | -24.2  | 141   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.345 | 0.389 | -12.8  | 135   | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.725 | 0.763 | -5.2   | 127   | 0.00     |
| 38   | 1-Methylnaphthalene         | 0.673 | 0.708 | -5.2   | 126   | 0.00     |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0    | 134   | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.669 | 0.658 | 1.6    | 126   | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 0.319 | 0.353 | -10.7  | 134   | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 0.226 | 0.264 | -16.8  | 146   | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 0.380 | 0.419 | -10.3  | 135   | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 0.415 | 0.446 | -7.5   | 133   | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 1.455 | 1.425 | 2.1    | 129   | 0.00     |
| 46   | 1,1'-Biphenyl               | 1.591 | 1.594 | -0.2   | 131   | 0.00     |
| 47   | 2-Chloronaphthalene         | 1.178 | 1.181 | -0.3   | 131   | 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             | 0.381 | 0.474 | -24.4  | 147   | 0.00     |
| 49   | Acenaphthylene             | 1.885 | 1.924 | -2.1   | 132   | 0.00     |
| 50   | Dimethylphthalate          | 1.351 | 1.449 | -7.3   | 138   | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 0.288 | 0.329 | -14.2  | 141   | 0.00     |
| 52 C | Acenaphthene               | 1.108 | 1.137 | -2.6   | 133   | 0.00     |
| 53   | 3-Nitroaniline             | 0.259 | 0.327 | -26.3# | 157#  | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 0.089 | 0.165 | -85.4# | 216#  | 0.00     |
| 55   | Dibenzofuran               | 1.763 | 1.801 | -2.2   | 131   | 0.00     |
| 56 P | 4-Nitrophenol              | 0.169 | 0.243 | -43.8# | 160#  | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 0.374 | 0.451 | -20.6  | 142   | 0.00     |
| 58   | Fluorene                   | 1.382 | 1.443 | -4.4   | 137   | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.386 | 0.441 | -14.2  | 146   | 0.00     |
| 60   | Diethylphthalate           | 1.330 | 1.450 | -9.0   | 138   | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 0.687 | 0.723 | -5.2   | 136   | 0.00     |
| 62   | 4-Nitroaniline             | 0.248 | 0.305 | -23.0  | 143   | 0.00     |
| 63   | Azobenzene                 | 1.473 | 1.581 | -7.3   | 139   | 0.00     |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0    | 140   | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 0.095 | 0.132 | -38.9# | 177#  | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 0.608 | 0.608 | 0.0    | 137   | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 0.220 | 0.228 | -3.6   | 139   | 0.00     |
| 68   | Hexachlorobenzene          | 0.246 | 0.250 | -1.6   | 140   | 0.00     |
| 69   | Atrazine                   | 0.201 | 0.226 | -12.4  | 148   | 0.00     |
| 70 C | Pentachlorophenol          | 0.141 | 0.175 | -24.1# | 165#  | 0.00     |
| 71   | Phenanthrene               | 1.047 | 1.069 | -2.1   | 139   | 0.00     |
| 72   | Anthracene                 | 1.091 | 1.127 | -3.3   | 142   | 0.00     |
| 73   | Carbazole                  | 0.912 | 0.983 | -7.8   | 144   | 0.00     |
| 74   | Di-n-butylphthalate        | 0.986 | 1.109 | -12.5  | 150   | 0.00     |
| 75 C | Fluoranthene               | 1.096 | 1.190 | -8.6   | 145   | 0.00     |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0    | 186#  | 0.00     |
| 77   | Benzydine                  | 0.358 | 0.352 | 1.7    | 153#  | 0.00     |
| 78   | Pyrene                     | 1.922 | 1.634 | 15.0   | 148   | 0.00     |
| 79 S | Terphenyl-d14              | 1.471 | 1.293 | 12.1   | 154#  | 0.00     |
| 80   | Butylbenzylphthalate       | 0.492 | 0.603 | -22.6  | 202#  | 0.00     |
| 81   | Benzo(a)anthracene         | 1.416 | 1.398 | 1.3    | 178#  | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 0.386 | 0.432 | -11.9  | 202#  | 0.00     |
| 83   | Chrysene                   | 1.393 | 1.400 | -0.5   | 181#  | 0.01     |
| 84   | Bis(2-ethylhexyl)phthalate | 0.572 | 0.790 | -38.1# | 232#  | 0.00     |
| 85 c | Di-n-octyl phthalate       | 0.910 | 1.307 | -43.6# | 259#  | 0.00     |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0    | 156#  | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 1.405 | 1.091 | 22.3   | 111   | 0.01     |
| 88   | Benzo(b)fluoranthene       | 1.230 | 1.365 | -11.0  | 177#  | 0.00     |
| 89   | Benzo(k)fluoranthene       | 1.301 | 1.432 | -10.1  | 168#  | 0.01     |
| 90 C | Benzo(a)pyrene             | 1.157 | 1.202 | -3.9   | 159#  | 0.01     |
| 91   | Dibenzo(a,h)anthracene     | 1.126 | 0.897 | 20.3   | 115   | 0.01     |
| 92   | Benzo(g,h,i)perylene       | 1.105 | 0.810 | 26.7#  | 106   | 0.01     |

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

(#) = Out of Range

SPCC's out = 0 CCC's out = 3