

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP011822\  
 Data File : BP008834.D  
 Acq On : 18 Jan 2022 11:23  
 Operator : CG/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jan 19 03:35:06 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP011422.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jan 14 18:05:00 2022  
 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    | 99    | 0.00     |
| 2    | 1,4-Dioxane                 | 0.523 | 0.502 | 4.0    | 112   | 0.00     |
| 3    | Pyridine                    | 1.096 | 1.187 | -8.3   | 119   | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.514 | 0.555 | -8.0   | 119   | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.293 | 1.311 | -1.4   | 114   | 0.00     |
| 6    | Aniline                     | 1.955 | 2.128 | -8.8   | 119   | 0.00     |
| 7 S  | Phenol-d6                   | 1.566 | 1.699 | -8.5   | 118   | 0.00     |
| 8    | 2-Chlorophenol              | 1.377 | 1.443 | -4.8   | 115   | 0.00     |
| 9    | Benzaldehyde                | 1.047 | 1.071 | -2.3   | 113   | 0.00     |
| 10 C | Phenol                      | 1.597 | 1.728 | -8.2   | 118   | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.270 | 1.349 | -6.2   | 117   | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.640 | 1.648 | -0.5   | 112   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.662 | 1.684 | -1.3   | 113   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.585 | 1.618 | -2.1   | 114   | 0.00     |
| 15   | Benzyl Alcohol              | 1.099 | 1.263 | -14.9  | 123   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 1.421 | 1.538 | -8.2   | 118   | 0.00     |
| 17   | 2-Methylphenol              | 1.070 | 1.182 | -10.5  | 120   | 0.00     |
| 18   | Hexachloroethane            | 0.564 | 0.582 | -3.2   | 113   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 0.915 | 1.072 | -17.2  | 124   | 0.00     |
| 20   | 3+4-Methylphenols           | 1.420 | 1.618 | -13.9  | 122   | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0    | 106   | 0.00     |
| 22   | Acetophenone                | 0.509 | 0.528 | -3.7   | 122   | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.352 | 0.367 | -4.3   | 122   | 0.00     |
| 24   | Nitrobenzene                | 0.356 | 0.368 | -3.4   | 122   | 0.00     |
| 25   | Isophorone                  | 0.637 | 0.703 | -10.4  | 128   | 0.00     |
| 26 C | 2-Nitrophenol               | 0.187 | 0.200 | -7.0   | 123   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.319 | 0.337 | -5.6   | 123   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.415 | 0.438 | -5.5   | 124   | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.348 | 0.365 | -4.9   | 122   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.408 | 0.401 | 1.7    | 118   | 0.00     |
| 31   | Naphthalene                 | 1.086 | 1.090 | -0.4   | 120   | 0.00     |
| 32   | Benzoic acid                | 0.183 | 0.223 | -21.9  | 133   | 0.01     |
| 33   | 4-Chloroaniline             | 0.443 | 0.479 | -8.1   | 126   | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.255 | 0.248 | 2.7    | 116   | 0.00     |
| 35   | Caprolactam                 | 0.096 | 0.121 | -26.0# | 145   | 0.01     |
| 36 C | 4-Chloro-3-methylphenol     | 0.314 | 0.356 | -13.4  | 131   | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.794 | 0.842 | -6.0   | 125   | 0.00     |
| 38   | 1-Methylnaphthalene         | 0.729 | 0.778 | -6.7   | 125   | 0.00     |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0    | 117   | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.729 | 0.688 | 5.6    | 124   | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 0.373 | 0.347 | 7.0    | 113   | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 0.291 | 0.321 | -10.3  | 144   | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 0.451 | 0.459 | -1.8   | 131   | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 0.485 | 0.497 | -2.5   | 132   | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 1.517 | 1.446 | 4.7    | 127   | 0.00     |
| 46   | 1,1'-Biphenyl               | 1.627 | 1.576 | 3.1    | 128   | 0.00     |
| 47   | 2-Chloronaphthalene         | 1.255 | 1.217 | 3.0    | 128   | 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             | 0.279 | 0.312 | -11.8  | 143   | 0.00     |
| 49   | Acenaphthylene             | 1.896 | 1.910 | -0.7   | 132   | 0.00     |
| 50   | Dimethylphthalate          | 1.485 | 1.554 | -4.6   | 138   | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 0.315 | 0.342 | -8.6   | 140   | 0.00     |
| 52 C | Acenaphthene               | 1.124 | 1.139 | -1.3   | 133   | 0.00     |
| 53   | 3-Nitroaniline             | 0.310 | 0.351 | -13.2  | 146   | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 0.127 | 0.160 | -26.0# | 156#  | 0.00     |
| 55   | Dibenzofuran               | 1.832 | 1.866 | -1.9   | 134   | 0.00     |
| 56 P | 4-Nitrophenol              | 0.223 | 0.269 | -20.6  | 152#  | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 0.405 | 0.477 | -17.8  | 149   | 0.00     |
| 58   | Fluorene                   | 1.447 | 1.520 | -5.0   | 137   | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.400 | 0.433 | -8.2   | 140   | 0.00     |
| 60   | Diethylphthalate           | 1.409 | 1.534 | -8.9   | 143   | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 0.788 | 0.826 | -4.8   | 136   | 0.00     |
| 62   | 4-Nitroaniline             | 0.300 | 0.360 | -20.0  | 154#  | 0.00     |
| 63   | Azobenzene                 | 1.170 | 1.294 | -10.6  | 142   | 0.00     |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0    | 132   | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 0.100 | 0.114 | -14.0  | 157#  | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 0.644 | 0.636 | 1.2    | 144   | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 0.250 | 0.245 | 2.0    | 141   | 0.00     |
| 68   | Hexachlorobenzene          | 0.286 | 0.277 | 3.1    | 141   | 0.00     |
| 69   | Atrazine                   | 0.239 | 0.255 | -6.7   | 155#  | 0.00     |
| 70 C | Pentachlorophenol          | 0.152 | 0.163 | -7.2   | 153#  | 0.00     |
| 71   | Phenanthrene               | 1.126 | 1.128 | -0.2   | 148   | 0.00     |
| 72   | Anthracene                 | 1.130 | 1.167 | -3.3   | 151#  | 0.00     |
| 73   | Carbazole                  | 0.971 | 1.035 | -6.6   | 158#  | 0.00     |
| 74   | Di-n-butylphthalate        | 1.169 | 1.258 | -7.6   | 155#  | 0.00     |
| 75 C | Fluoranthene               | 1.252 | 1.357 | -8.4   | 164#  | 0.00     |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0    | 152#  | 0.00     |
| 77   | Benzidine                  | 0.707 | 0.792 | -12.0  | 170#  | 0.00     |
| 78   | Pyrene                     | 1.396 | 1.416 | -1.4   | 166#  | 0.00     |
| 79 S | Terphenyl-d14              | 1.185 | 1.141 | 3.7    | 158#  | 0.00     |
| 80   | Butylbenzylphthalate       | 0.561 | 0.594 | -5.9   | 174#  | 0.00     |
| 81   | Benzo(a)anthracene         | 1.346 | 1.358 | -0.9   | 172#  | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 0.581 | 0.605 | -4.1   | 174#  | 0.00     |
| 83   | Chrysene                   | 1.304 | 1.304 | 0.0    | 170#  | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 0.869 | 0.887 | -2.1   | 167#  | 0.00     |
| 85 c | Di-n-octyl phthalate       | 1.470 | 1.491 | -1.4   | 183#  | 0.00     |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0    | 137   | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 1.648 | 1.407 | 14.6   | 132   | 0.00     |
| 88   | Benzo(b)fluoranthene       | 1.336 | 1.456 | -9.0   | 169#  | 0.00     |
| 89   | Benzo(k)fluoranthene       | 1.293 | 1.377 | -6.5   | 170#  | 0.00     |
| 90 C | Benzo(a)pyrene             | 1.289 | 1.341 | -4.0   | 162#  | 0.00     |
| 91   | Dibenzo(a,h)anthracene     | 1.401 | 1.191 | 15.0   | 131   | 0.00     |
| 92   | Benzo(g,h,i)perylene       | 1.368 | 1.098 | 19.7   | 123   | 0.00     |

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

(#) = Out of Range

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