

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP040925\  
 Data File : BP024243.D  
 Acq On : 09 Apr 2025 20:24  
 Operator : RC/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 LabSampleId :  
 SSTDCCC040

Quant Time: Apr 10 01:01:24 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP031225.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Mar 13 05:55:58 2025  
 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    | 75    | -0.03    |
| 2    | 1,4-Dioxane                 | 0.497 | 0.507 | -2.0   | 81    | -0.02    |
| 3    | Pyridine                    | 1.358 | 1.378 | -1.5   | 79    | -0.02    |
| 4    | n-Nitrosodimethylamine      | 0.454 | 0.456 | -0.4   | 79    | -0.02    |
| 5 S  | 2-Fluorophenol              | 1.253 | 1.314 | -4.9   | 81    | -0.02    |
| 6    | Aniline                     | 1.527 | 1.587 | -3.9   | 80    | -0.03    |
| 7 S  | Phenol-d6                   | 1.675 | 1.750 | -4.5   | 80    | -0.02    |
| 8    | 2-Chlorophenol              | 1.353 | 1.406 | -3.9   | 81    | -0.03    |
| 9    | Benzaldehyde                | 0.809 | 0.906 | -12.0  | 87    | -0.03    |
| 10 C | Phenol                      | 1.691 | 1.751 | -3.5   | 81    | -0.02    |
| 11   | bis(2-Chloroethyl)ether     | 1.334 | 1.331 | 0.2    | 78    | -0.02    |
| 12   | 1,3-Dichlorobenzene         | 1.459 | 1.490 | -2.1   | 80    | -0.03    |
| 13 C | 1,4-Dichlorobenzene         | 1.490 | 1.501 | -0.7   | 80    | -0.04    |
| 14   | 1,2-Dichlorobenzene         | 1.430 | 1.444 | -1.0   | 80    | -0.03    |
| 15   | Benzyl Alcohol              | 1.061 | 1.160 | -9.3   | 83    | -0.03    |
| 16   | 2,2'-oxybis(1-Chloropropane | 1.361 | 1.377 | -1.2   | 80    | -0.04    |
| 17   | 2-Methylphenol              | 1.061 | 1.128 | -6.3   | 81    | -0.03    |
| 18   | Hexachloroethane            | 0.529 | 0.539 | -1.9   | 80    | -0.03    |
| 19 P | n-Nitroso-di-n-propylamine  | 0.972 | 1.022 | -5.1   | 80    | -0.03    |
| 20   | 3+4-Methylphenols           | 1.457 | 1.572 | -7.9   | 82    | -0.03    |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0    | 76    | -0.03    |
| 22   | Acetophenone                | 0.506 | 0.520 | -2.8   | 80    | -0.03    |
| 23 S | Nitrobenzene-d5             | 0.354 | 0.369 | -4.2   | 80    | -0.03    |
| 24   | Nitrobenzene                | 0.350 | 0.364 | -4.0   | 81    | -0.03    |
| 25   | Isophorone                  | 0.608 | 0.663 | -9.0   | 84    | -0.03    |
| 26 C | 2-Nitrophenol               | 0.167 | 0.188 | -12.6  | 84    | -0.03    |
| 27   | 2,4-Dimethylphenol          | 0.215 | 0.231 | -7.4   | 82    | -0.03    |
| 28   | bis(2-Chloroethoxy)methane  | 0.427 | 0.435 | -1.9   | 79    | -0.03    |
| 29 C | 2,4-Dichlorophenol          | 0.291 | 0.316 | -8.6   | 81    | -0.03    |
| 30   | 1,2,4-Trichlorobenzene      | 0.321 | 0.325 | -1.2   | 79    | -0.03    |
| 31   | Naphthalene                 | 1.060 | 1.091 | -2.9   | 80    | -0.03    |
| 32   | Benzoic acid                | 0.209 | 0.280 | -34.0# | 97    | -0.03    |
| 33   | 4-Chloroaniline             | 0.379 | 0.413 | -9.0   | 83    | -0.03    |
| 34 C | Hexachlorobutadiene         | 0.185 | 0.188 | -1.6   | 79    | -0.04    |
| 35   | Caprolactam                 | 0.095 | 0.118 | -24.2  | 92    | -0.03    |
| 36 C | 4-Chloro-3-methylphenol     | 0.313 | 0.361 | -15.3  | 87    | -0.03    |
| 37   | 2-Methylnaphthalene         | 0.716 | 0.753 | -5.2   | 81    | -0.02    |
| 38   | 1-Methylnaphthalene         | 0.697 | 0.733 | -5.2   | 83    | -0.03    |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0    | 80    | -0.02    |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.578 | 0.567 | 1.9    | 81    | -0.03    |
| 41 P | Hexachlorocyclopentadiene   | 0.208 | 0.176 | 15.4   | 66    | -0.02    |
| 42 S | 2,4,6-Tribromophenol        | 0.252 | 0.290 | -15.1  | 92    | -0.02    |
| 43 C | 2,4,6-Trichlorophenol       | 0.367 | 0.392 | -6.8   | 84    | -0.03    |
| 44   | 2,4,5-Trichlorophenol       | 0.403 | 0.432 | -7.2   | 85    | -0.02    |
| 45 S | 2-Fluorobiphenyl            | 1.356 | 1.326 | 2.2    | 81    | -0.02    |
| 46   | 1,1'-Biphenyl               | 1.503 | 1.493 | 0.7    | 82    | -0.02    |
| 47   | 2-Chloronaphthalene         | 1.130 | 1.137 | -0.6   | 83    | -0.02    |

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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             | 0.289 | 0.334 | -15.6  | 92    | -0.03    |
| 49   | Acenaphthylene             | 1.710 | 1.796 | -5.0   | 87    | -0.03    |
| 50   | Dimethylphthalate          | 1.399 | 1.465 | -4.7   | 86    | -0.02    |
| 51   | 2,6-Dinitrotoluene         | 0.294 | 0.318 | -8.2   | 87    | -0.02    |
| 52 C | Acenaphthene               | 1.093 | 1.121 | -2.6   | 85    | -0.02    |
| 53   | 3-Nitroaniline             | 0.318 | 0.354 | -11.3  | 88    | -0.02    |
| 54 P | 2,4-Dinitrophenol          | 0.156 | 0.152 | 2.6    | 76    | -0.03    |
| 55   | Dibenzofuran               | 1.770 | 1.800 | -1.7   | 84    | -0.02    |
| 56 P | 4-Nitrophenol              | 0.266 | 0.321 | -20.7  | 93    | -0.02    |
| 57   | 2,4-Dinitrotoluene         | 0.389 | 0.444 | -14.1  | 90    | -0.02    |
| 58   | Fluorene                   | 1.379 | 1.424 | -3.3   | 85    | -0.02    |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.356 | 0.392 | -10.1  | 88    | -0.02    |
| 60   | Diethylphthalate           | 1.394 | 1.481 | -6.2   | 87    | -0.02    |
| 61   | 4-Chlorophenyl-phenylether | 0.676 | 0.684 | -1.2   | 83    | -0.02    |
| 62   | 4-Nitroaniline             | 0.334 | 0.384 | -15.0  | 90    | -0.02    |
| 63   | Azobenzene                 | 1.314 | 1.403 | -6.8   | 87    | -0.02    |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0    | 85    | -0.02    |
| 65   | 4,6-Dinitro-2-methylphenol | 0.119 | 0.112 | 5.9    | 79    | -0.02    |
| 66 c | n-Nitrosodiphenylamine     | 0.607 | 0.621 | -2.3   | 88    | -0.02    |
| 67   | 4-Bromophenyl-phenylether  | 0.220 | 0.225 | -2.3   | 88    | -0.02    |
| 68   | Hexachlorobenzene          | 0.260 | 0.266 | -2.3   | 89    | -0.02    |
| 69   | Atrazine                   | 0.147 | 0.162 | -10.2  | 101   | -0.02    |
| 70 C | Pentachlorophenol          | 0.168 | 0.199 | -18.5  | 95    | -0.02    |
| 71   | Phenanthrene               | 1.093 | 1.106 | -1.2   | 87    | -0.02    |
| 72   | Anthracene                 | 1.064 | 1.103 | -3.7   | 88    | -0.02    |
| 73   | Carbazole                  | 1.026 | 1.094 | -6.6   | 89    | -0.02    |
| 74   | Di-n-butylphthalate        | 1.218 | 1.336 | -9.7   | 90    | -0.02    |
| 75 C | Fluoranthene               | 1.265 | 1.324 | -4.7   | 89    | -0.02    |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0    | 77    | -0.03    |
| 77   | Benzidine                  | 0.219 | 0.350 | -59.8# | 105   | -0.02    |
| 78   | Pyrene                     | 1.243 | 1.354 | -8.9   | 87    | -0.02    |
| 79 S | Terphenyl-d14              | 0.969 | 1.033 | -6.6   | 84    | -0.02    |
| 80   | Butylbenzylphthalate       | 0.513 | 0.603 | -17.5  | 89    | -0.02    |
| 81   | Benzo(a)anthracene         | 1.243 | 1.312 | -5.6   | 84    | -0.02    |
| 82   | 3,3'-Dichlorobenzidine     | 0.417 | 0.517 | -24.0  | 93    | -0.02    |
| 83   | Chrysene                   | 1.195 | 1.232 | -3.1   | 82    | -0.03    |
| 84   | Bis(2-ethylhexyl)phthalate | 0.774 | 0.887 | -14.6  | 87    | -0.02    |
| 85 c | Di-n-octyl phthalate       | 1.240 | 1.532 | -23.5# | 93    | -0.04    |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0    | 87    | -0.08    |
| 87   | Indeno(1,2,3-cd)pyrene     | 1.396 | 1.453 | -4.1   | 92    | -0.11    |
| 88   | Benzo(b)fluoranthene       | 1.206 | 1.190 | 1.3    | 87    | -0.05    |
| 89   | Benzo(k)fluoranthene       | 1.180 | 1.144 | 3.1    | 88    | -0.05    |
| 90 C | Benzo(a)pyrene             | 1.049 | 1.077 | -2.7   | 91    | -0.06    |
| 91   | Dibenzo(a,h)anthracene     | 1.161 | 1.199 | -3.3   | 92    | -0.12    |
| 92   | Benzo(g,h,i)perylene       | 1.180 | 1.217 | -3.1   | 92    | -0.12    |

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

(#) = Out of Range

SPCC's out = 0 CCC's out = 1