

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP081425\  
 Data File : BP025420.D  
 Acq On : 15 Aug 2025 09:13  
 Operator : CG/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 LabSampleId :  
 SSTDCCC040

Quant Time: Aug 15 10:41:45 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP081425.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Aug 14 18:14:31 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    | 111   | 0.00     |
| 2    | 1,4-Dioxane                 | 0.472 | 0.451 | 4.4    | 112   | 0.00     |
| 3    | Pyridine                    | 1.291 | 1.234 | 4.4    | 112   | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.532 | 0.545 | -2.4   | 118   | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.204 | 1.165 | 3.2    | 111   | 0.00     |
| 6    | Aniline                     | 2.080 | 2.039 | 2.0    | 112   | 0.00     |
| 7 S  | Phenol-d6                   | 1.544 | 1.515 | 1.9    | 111   | 0.00     |
| 8    | 2-Chlorophenol              | 1.359 | 1.326 | 2.4    | 112   | 0.00     |
| 9    | Benzaldehyde                | 1.082 | 1.388 | -28.3# | 113   | 0.00     |
| 10 C | Phenol                      | 1.620 | 1.585 | 2.2    | 111   | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.263 | 1.213 | 4.0    | 110   | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.499 | 1.438 | 4.1    | 110   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.532 | 1.462 | 4.6    | 110   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.483 | 1.423 | 4.0    | 110   | 0.00     |
| 15   | Benzyl Alcohol              | 1.227 | 1.215 | 1.0    | 113   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 1.692 | 1.656 | 2.1    | 113   | 0.00     |
| 17   | 2-Methylphenol              | 1.125 | 1.113 | 1.1    | 111   | 0.00     |
| 18   | Hexachloroethane            | 0.563 | 0.543 | 3.6    | 110   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 1.023 | 0.998 | 2.4    | 112   | 0.00     |
| 20   | 3+4-Methylphenols           | 1.560 | 1.530 | 1.9    | 111   | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0    | 112   | 0.00     |
| 22   | Acetophenone                | 0.502 | 0.478 | 4.8    | 111   | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.395 | 0.387 | 2.0    | 114   | 0.00     |
| 24   | Nitrobenzene                | 0.353 | 0.347 | 1.7    | 113   | 0.00     |
| 25   | Isophorone                  | 0.700 | 0.671 | 4.1    | 112   | 0.00     |
| 26 C | 2-Nitrophenol               | 0.181 | 0.179 | 1.1    | 111   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.312 | 0.302 | 3.2    | 110   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.423 | 0.402 | 5.0    | 111   | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.310 | 0.303 | 2.3    | 111   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.340 | 0.322 | 5.3    | 111   | 0.00     |
| 31   | Naphthalene                 | 1.040 | 0.995 | 4.3    | 112   | 0.00     |
| 32   | Benzoic acid                | 0.230 | 0.221 | 3.9    | 110   | 0.01     |
| 33   | 4-Chloroaniline             | 0.459 | 0.447 | 2.6    | 111   | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.211 | 0.202 | 4.3    | 111   | 0.00     |
| 35   | Caprolactam                 | 0.114 | 0.110 | 3.5    | 114   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.355 | 0.352 | 0.8    | 114   | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.676 | 0.645 | 4.6    | 111   | 0.00     |
| 38   | 1-Methylnaphthalene         | 0.719 | 0.675 | 6.1    | 111   | 0.00     |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0    | 112   | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.578 | 0.558 | 3.5    | 112   | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 0.349 | 0.352 | -0.9   | 113   | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 0.269 | 0.265 | 1.5    | 113   | -0.01    |
| 43 C | 2,4,6-Trichlorophenol       | 0.390 | 0.387 | 0.8    | 113   | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 0.427 | 0.423 | 0.9    | 112   | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 1.463 | 1.348 | 7.9    | 108   | 0.00     |
| 46   | 1,1'-Biphenyl               | 1.453 | 1.384 | 4.7    | 110   | 0.00     |
| 47   | 2-Chloronaphthalene         | 1.131 | 1.087 | 3.9    | 111   | 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             | 0.329 | 0.338 | -2.7   | 115   | -0.01    |
| 49   | Acenaphthylene             | 1.871 | 1.788 | 4.4    | 111   | 0.00     |
| 50   | Dimethylphthalate          | 1.465 | 1.412 | 3.6    | 113   | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 0.309 | 0.309 | 0.0    | 112   | 0.00     |
| 52 C | Acenaphthene               | 1.098 | 1.045 | 4.8    | 112   | 0.00     |
| 53   | 3-Nitroaniline             | 0.347 | 0.350 | -0.9   | 115   | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 0.165 | 0.167 | -1.2   | 115   | 0.00     |
| 55   | Dibenzofuran               | 1.736 | 1.648 | 5.1    | 110   | 0.00     |
| 56 P | 4-Nitrophenol              | 0.285 | 0.289 | -1.4   | 116   | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 0.440 | 0.446 | -1.4   | 114   | 0.00     |
| 58   | Fluorene                   | 1.370 | 1.264 | 7.7    | 108   | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.377 | 0.370 | 1.9    | 113   | 0.00     |
| 60   | Diethylphthalate           | 1.488 | 1.434 | 3.6    | 112   | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 0.681 | 0.625 | 8.2    | 107   | 0.00     |
| 62   | 4-Nitroaniline             | 0.356 | 0.347 | 2.5    | 111   | 0.00     |
| 63   | Azobenzene                 | 1.274 | 1.242 | 2.5    | 113   | 0.00     |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0    | 111   | -0.02    |
| 65   | 4,6-Dinitro-2-methylphenol | 0.125 | 0.128 | -2.4   | 116   | -0.01    |
| 66 c | n-Nitrosodiphenylamine     | 0.610 | 0.588 | 3.6    | 111   | -0.01    |
| 67   | 4-Bromophenyl-phenylether  | 0.220 | 0.215 | 2.3    | 113   | 0.00     |
| 68   | Hexachlorobenzene          | 0.255 | 0.241 | 5.5    | 111   | 0.00     |
| 69   | Atrazine                   | 0.228 | 0.223 | 2.2    | 114   | -0.01    |
| 70 C | Pentachlorophenol          | 0.161 | 0.166 | -3.1   | 117   | -0.01    |
| 71   | Phenanthrene               | 1.099 | 1.068 | 2.8    | 114   | -0.01    |
| 72   | Anthracene                 | 1.122 | 1.084 | 3.4    | 112   | -0.01    |
| 73   | Carbazole                  | 1.057 | 1.026 | 2.9    | 113   | -0.01    |
| 74   | Di-n-butylphthalate        | 1.300 | 1.260 | 3.1    | 113   | -0.01    |
| 75 C | Fluoranthene               | 1.311 | 1.259 | 4.0    | 114   | 0.00     |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0    | 115   | -0.01    |
| 77   | Benzidine                  | 0.683 | 0.946 | -38.5# | 113   | 0.00     |
| 78   | Pyrene                     | 1.300 | 1.235 | 5.0    | 112   | 0.00     |
| 79 S | Terphenyl-d14              | 1.093 | 1.002 | 8.3    | 110   | 0.00     |
| 80   | Butylbenzylphthalate       | 0.589 | 0.570 | 3.2    | 113   | 0.00     |
| 81   | Benzo(a)anthracene         | 1.319 | 1.271 | 3.6    | 115   | -0.01    |
| 82   | 3,3'-Dichlorobenzidine     | 0.497 | 0.476 | 4.2    | 112   | 0.00     |
| 83   | Chrysene                   | 1.235 | 1.176 | 4.8    | 115   | -0.01    |
| 84   | Bis(2-ethylhexyl)phthalate | 0.867 | 0.819 | 5.5    | 114   | -0.01    |
| 85 c | Di-n-octyl phthalate       | 1.492 | 1.399 | 6.2    | 111   | -0.02    |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0    | 117   | -0.02    |
| 87   | Indeno(1,2,3-cd)pyrene     | 1.467 | 1.391 | 5.2    | 115   | -0.04    |
| 88   | Benzo(b)fluoranthene       | 1.179 | 1.140 | 3.3    | 118   | -0.02    |
| 89   | Benzo(k)fluoranthene       | 1.180 | 1.104 | 6.4    | 114   | -0.03    |
| 90 C | Benzo(a)pyrene             | 1.148 | 1.097 | 4.4    | 116   | -0.02    |
| 91   | Dibenzo(a,h)anthracene     | 1.199 | 1.147 | 4.3    | 116   | -0.04    |
| 92   | Benzo(g,h,i)perylene       | 1.178 | 1.122 | 4.8    | 115   | -0.04    |

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

(#) = Out of Range

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