

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF020923\  
 Data File : BF132372.D  
 Acq On : 09 Feb 2023 10:17  
 Operator : CG\JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Feb 10 00:56:09 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF013123.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Feb 09 01:56:26 2023  
 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    | 113   | 0.00     |
| 2    | 1,4-Dioxane                 | 0.585 | 0.596 | -1.9   | 113   | 0.02     |
| 3    | Pyridine                    | 1.588 | 1.460 | 8.1    | 101   | 0.02     |
| 4    | n-Nitrosodimethylamine      | 0.508 | 0.438 | 13.8   | 97    | 0.02     |
| 5 S  | 2-Fluorophenol              | 1.244 | 1.186 | 4.7    | 108   | 0.00     |
| 6    | Aniline                     | 2.082 | 1.890 | 9.2    | 103   | 0.00     |
| 7 S  | Phenol-d6                   | 1.534 | 1.412 | 8.0    | 104   | 0.00     |
| 8    | 2-Chlorophenol              | 1.289 | 1.292 | -0.2   | 112   | 0.00     |
| 9    | Benzaldehyde                | 0.936 | 0.926 | 1.1    | 121   | 0.00     |
| 10 C | Phenol                      | 1.588 | 1.454 | 8.4    | 103   | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.307 | 1.241 | 5.0    | 107   | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.363 | 1.389 | -1.9   | 115   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.361 | 1.381 | -1.5   | 114   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.269 | 1.289 | -1.6   | 114   | 0.00     |
| 15   | Benzyl Alcohol              | 1.119 | 1.031 | 7.9    | 102   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 1.377 | 1.103 | 19.9   | 89    | 0.00     |
| 17   | 2-Methylphenol              | 1.128 | 1.093 | 3.1    | 109   | 0.00     |
| 18   | Hexachloroethane            | 0.510 | 0.522 | -2.4   | 114   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 0.871 | 0.702 | 19.4   | 92    | 0.00     |
| 20   | 3+4-Methylphenols           | 1.440 | 1.352 | 6.1    | 103   | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0    | 111   | 0.00     |
| 22   | Acetophenone                | 0.470 | 0.439 | 6.6    | 105   | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.359 | 0.330 | 8.1    | 102   | 0.00     |
| 24   | Nitrobenzene                | 0.367 | 0.329 | 10.4   | 99    | 0.00     |
| 25   | Isophorone                  | 0.682 | 0.622 | 8.8    | 103   | 0.00     |
| 26 C | 2-Nitrophenol               | 0.179 | 0.197 | -10.1  | 117   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.313 | 0.316 | -1.0   | 112   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.419 | 0.396 | 5.5    | 105   | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.278 | 0.294 | -5.8   | 117   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.298 | 0.319 | -7.0   | 119   | 0.00     |
| 31   | Naphthalene                 | 0.984 | 0.968 | 1.6    | 110   | 0.00     |
| 32   | Benzoic acid                | 0.232 | 0.351 | -51.3# | 163#  | 0.02     |
| 33   | 4-Chloroaniline             | 0.437 | 0.427 | 2.3    | 108   | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.167 | 0.195 | -16.8  | 130   | 0.00     |
| 35   | Caprolactam                 | 0.095 | 0.089 | 6.3    | 102   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.299 | 0.295 | 1.3    | 108   | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.667 | 0.666 | 0.1    | 111   | 0.00     |
| 38   | 1-Methylnaphthalene         | 0.620 | 0.619 | 0.2    | 111   | 0.00     |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0    | 109   | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.563 | 0.621 | -10.3  | 121   | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 0.328 | 0.329 | -0.3   | 106   | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 0.206 | 0.241 | -17.0  | 130   | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 0.402 | 0.434 | -8.0   | 116   | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 0.463 | 0.507 | -9.5   | 118   | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 1.295 | 1.267 | 2.2    | 115   | 0.00     |
| 46   | 1,1'-Biphenyl               | 1.542 | 1.575 | -2.1   | 111   | 0.00     |
| 47   | 2-Chloronaphthalene         | 1.174 | 1.211 | -3.2   | 113   | 0.00     |

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 Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound                   | AvgRF | CCRF  | %Dev  | Area% | Dev(min) |
|------|----------------------------|-------|-------|-------|-------|----------|
| 48   | 2-Nitroaniline             | 0.349 | 0.297 | 14.9  | 90    | 0.00     |
| 49   | Acenaphthylene             | 1.917 | 1.903 | 0.7   | 108   | 0.00     |
| 50   | Dimethylphthalate          | 1.399 | 1.437 | -2.7  | 112   | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 0.312 | 0.330 | -5.8  | 112   | 0.00     |
| 52 C | Acenaphthene               | 1.200 | 1.220 | -1.7  | 112   | 0.00     |
| 53   | 3-Nitroaniline             | 0.379 | 0.365 | 3.7   | 103   | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 0.161 | 0.175 | -8.7  | 114   | 0.00     |
| 55   | Dibenzofuran               | 1.686 | 1.685 | 0.1   | 110   | 0.00     |
| 56 P | 4-Nitrophenol              | 0.285 | 0.261 | 8.4   | 96    | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 0.406 | 0.426 | -4.9  | 111   | 0.00     |
| 58   | Fluorene                   | 1.298 | 1.285 | 1.0   | 110   | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.338 | 0.367 | -8.6  | 115   | 0.00     |
| 60   | Diethylphthalate           | 1.392 | 1.443 | -3.7  | 112   | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 0.616 | 0.651 | -5.7  | 117   | 0.00     |
| 62   | 4-Nitroaniline             | 0.363 | 0.333 | 8.3   | 98    | 0.00     |
| 63   | Azobenzene                 | 1.356 | 1.160 | 14.5  | 92    | 0.00     |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0   | 104   | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 0.114 | 0.134 | -17.5 | 114   | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 0.626 | 0.645 | -3.0  | 108   | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 0.205 | 0.233 | -13.7 | 120   | 0.00     |
| 68   | Hexachlorobenzene          | 0.219 | 0.249 | -13.7 | 119   | 0.00     |
| 69   | Atrazine                   | 0.180 | 0.202 | -12.2 | 112   | 0.00     |
| 70 C | Pentachlorophenol          | 0.150 | 0.165 | -10.0 | 111   | 0.00     |
| 71   | Phenanthrene               | 1.045 | 1.035 | 1.0   | 105   | 0.00     |
| 72   | Anthracene                 | 1.064 | 1.069 | -0.5  | 105   | 0.00     |
| 73   | Carbazole                  | 0.954 | 0.905 | 5.1   | 100   | 0.00     |
| 74   | Di-n-butylphthalate        | 1.127 | 1.204 | -6.8  | 111   | 0.00     |
| 75 C | Fluoranthene               | 1.067 | 1.023 | 4.1   | 101   | 0.00     |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0   | 86    | 0.00     |
| 77   | Benzidine                  | 0.699 | 0.511 | 26.9# | 66    | 0.00     |
| 78   | Pyrene                     | 1.609 | 1.845 | -14.7 | 100   | 0.00     |
| 79 S | Terphenyl-d14              | 1.034 | 1.248 | -20.7 | 108   | 0.00     |
| 80   | Butylbenzylphthalate       | 0.711 | 0.823 | -15.8 | 99    | 0.00     |
| 81   | Benzo(a)anthracene         | 1.399 | 1.438 | -2.8  | 88    | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 0.446 | 0.415 | 7.0   | 79    | 0.00     |
| 83   | Chrysene                   | 1.310 | 1.322 | -0.9  | 88    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 0.961 | 1.075 | -11.9 | 96    | 0.00     |
| 85 c | Di-n-octyl phthalate       | 1.567 | 1.536 | 2.0   | 83    | 0.00     |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0   | 81    | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 1.329 | 1.482 | -11.5 | 94    | 0.00     |
| 88   | Benzo(b)fluoranthene       | 1.271 | 1.323 | -4.1  | 81    | 0.00     |
| 89   | Benzo(k)fluoranthene       | 1.213 | 1.238 | -2.1  | 83    | 0.00     |
| 90 C | Benzo(a)pyrene             | 1.184 | 1.217 | -2.8  | 82    | 0.00     |
| 91   | Dibenzo(a,h)anthracene     | 1.068 | 1.196 | -12.0 | 93    | 0.00     |
| 92   | Benzo(g,h,i)perylene       | 1.104 | 1.230 | -11.4 | 95    | 0.00     |

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|----------|-------|------|------|-------|----------|

(#) = Out of Range

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