

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP093021\  
 Data File : BP007264.D  
 Acq On : 30 Sep 2021 11:05  
 Operator : CG/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 LabSampleId :  
 SSTDCCC040

Quant Time: Sep 30 11:50:34 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP092121.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Sep 29 14:45:49 2021  
 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   | 77    | 0.01     |
| 2    | 1,4-Dioxane                 | 0.483 | 0.454 | 6.0   | 76    | 0.00     |
| 3    | Pyridine                    | 1.322 | 1.346 | -1.8  | 79    | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.453 | 0.480 | -6.0  | 83    | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.195 | 0.943 | 21.1  | 63    | 0.00     |
| 6    | Aniline                     | 1.800 | 1.424 | 20.9  | 61    | 0.00     |
| 7 S  | Phenol-d6                   | 1.633 | 1.282 | 21.5  | 61    | 0.00     |
| 8    | 2-Chlorophenol              | 1.299 | 1.222 | 5.9   | 75    | 0.01     |
| 9    | Benzaldehyde                | 0.920 | 0.710 | 22.8  | 59    | 0.00     |
| 10 C | Phenol                      | 1.574 | 1.249 | 20.6# | 62    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.243 | 1.103 | 11.3  | 69    | 0.01     |
| 12   | 1,3-Dichlorobenzene         | 1.465 | 1.414 | 3.5   | 77    | 0.01     |
| 13 C | 1,4-Dichlorobenzene         | 1.493 | 1.381 | 7.5   | 74    | 0.01     |
| 14   | 1,2-Dichlorobenzene         | 1.447 | 1.353 | 6.5   | 74    | 0.01     |
| 15   | Benzyl Alcohol              | 1.046 | 1.019 | 2.6   | 75    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 1.423 | 1.243 | 12.6  | 69    | 0.00     |
| 17   | 2-Methylphenol              | 1.061 | 0.993 | 6.4   | 73    | 0.00     |
| 18   | Hexachloroethane            | 0.501 | 0.432 | 13.8  | 68    | 0.01     |
| 19 P | n-Nitroso-di-n-propylamine  | 0.888 | 0.765 | 13.9  | 67    | 0.00     |
| 20   | 3+4-Methylphenols           | 1.468 | 1.362 | 7.2   | 72    | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0   | 63    | 0.01     |
| 22   | Acetophenone                | 0.482 | 0.515 | -6.8  | 69    | 0.01     |
| 23 S | Nitrobenzene-d5             | 0.343 | 0.345 | -0.6  | 64    | 0.01     |
| 24   | Nitrobenzene                | 0.327 | 0.319 | 2.4   | 62    | 0.00     |
| 25   | Isophorone                  | 0.599 | 0.577 | 3.7   | 61    | 0.00     |
| 26 C | 2-Nitrophenol               | 0.171 | 0.182 | -6.4  | 66    | 0.01     |
| 27   | 2,4-Dimethylphenol          | 0.269 | 0.257 | 4.5   | 60    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.422 | 0.386 | 8.5   | 59    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.314 | 0.319 | -1.6  | 64    | 0.01     |
| 30   | 1,2,4-Trichlorobenzene      | 0.357 | 0.365 | -2.2  | 66    | 0.01     |
| 31   | Naphthalene                 | 1.021 | 0.984 | 3.6   | 62    | 0.01     |
| 32   | Benzoic acid                | 0.207 | 0.202 | 2.4   | 59    | 0.00     |
| 33   | 4-Chloroaniline             | 0.422 | 0.405 | 4.0   | 61    | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.214 | 0.239 | -11.7 | 72    | 0.01     |
| 35   | Caprolactam                 | 0.096 | 0.102 | -6.2  | 64    | 0.01     |
| 36 C | 4-Chloro-3-methylphenol     | 0.319 | 0.369 | -15.7 | 73    | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.715 | 0.850 | -18.9 | 77    | 0.01     |
| 38   | 1-Methylnaphthalene         | 0.698 | 0.749 | -7.3  | 69    | 0.01     |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0   | 65    | 0.01     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.612 | 0.720 | -17.6 | 78    | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 0.339 | 0.276 | 18.6  | 53    | 0.01     |
| 42 S | 2,4,6-Tribromophenol        | 0.259 | 0.310 | -19.7 | 78    | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 0.418 | 0.424 | -1.4  | 66    | 0.01     |
| 44   | 2,4,5-Trichlorophenol       | 0.450 | 0.455 | -1.1  | 66    | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 1.396 | 1.334 | 4.4   | 64    | 0.00     |
| 46   | 1,1'-Biphenyl               | 1.488 | 1.393 | 6.4   | 63    | 0.00     |
| 47   | 2-Chloronaphthalene         | 1.152 | 1.096 | 4.9   | 64    | 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             | 0.281 | 0.287 | -2.1  | 65    | 0.01     |
| 49   | Acenaphthylene             | 1.775 | 1.698 | 4.3   | 63    | 0.01     |
| 50   | Dimethylphthalate          | 1.438 | 1.401 | 2.6   | 65    | 0.01     |
| 51   | 2,6-Dinitrotoluene         | 0.294 | 0.303 | -3.1  | 67    | 0.01     |
| 52 C | Acenaphthene               | 1.075 | 1.006 | 6.4   | 62    | 0.01     |
| 53   | 3-Nitroaniline             | 0.318 | 0.315 | 0.9   | 63    | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 0.169 | 0.172 | -1.8  | 62    | 0.01     |
| 55   | Dibenzofuran               | 1.794 | 1.695 | 5.5   | 63    | 0.01     |
| 56 P | 4-Nitrophenol              | 0.258 | 0.249 | 3.5   | 59    | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 0.388 | 0.412 | -6.2  | 67    | 0.00     |
| 58   | Fluorene                   | 1.386 | 1.330 | 4.0   | 64    | 0.01     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.395 | 0.412 | -4.3  | 69    | 0.00     |
| 60   | Diethylphthalate           | 1.394 | 1.376 | 1.3   | 66    | 0.01     |
| 61   | 4-Chlorophenyl-phenylether | 0.732 | 0.726 | 0.8   | 66    | 0.00     |
| 62   | 4-Nitroaniline             | 0.320 | 0.333 | -4.1  | 65    | 0.00     |
| 63   | Azobenzene                 | 1.208 | 1.124 | 7.0   | 61    | 0.00     |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0   | 66    | 0.01     |
| 65   | 4,6-Dinitro-2-methylphenol | 0.120 | 0.128 | -6.7  | 66    | 0.01     |
| 66 c | n-Nitrosodiphenylamine     | 0.595 | 0.572 | 3.9   | 64    | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 0.219 | 0.230 | -5.0  | 71    | 0.01     |
| 68   | Hexachlorobenzene          | 0.242 | 0.263 | -8.7  | 73    | 0.01     |
| 69   | Atrazine                   | 0.210 | 0.214 | -1.9  | 67    | 0.00     |
| 70 C | Pentachlorophenol          | 0.150 | 0.144 | 4.0   | 62    | 0.00     |
| 71   | Phenanthrene               | 1.072 | 1.023 | 4.6   | 64    | 0.00     |
| 72   | Anthracene                 | 1.049 | 1.013 | 3.4   | 65    | 0.01     |
| 73   | Carbazole                  | 1.028 | 0.990 | 3.7   | 63    | 0.00     |
| 74   | Di-n-butylphthalate        | 1.139 | 1.287 | -13.0 | 74    | 0.00     |
| 75 C | Fluoranthene               | 1.236 | 1.431 | -15.8 | 77    | 0.01     |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0   | 67    | 0.01     |
| 77   | Benzydine                  | 0.615 | 0.547 | 11.1  | 60    | 0.00     |
| 78   | Pyrene                     | 1.312 | 1.255 | 4.3   | 66    | 0.01     |
| 79 S | Terphenyl-d14              | 1.044 | 1.047 | -0.3  | 68    | 0.01     |
| 80   | Butylbenzylphthalate       | 0.525 | 0.518 | 1.3   | 66    | 0.00     |
| 81   | Benzo(a)anthracene         | 1.298 | 1.249 | 3.8   | 66    | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 0.446 | 0.454 | -1.8  | 68    | 0.01     |
| 83   | Chrysene                   | 1.241 | 1.176 | 5.2   | 64    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 0.755 | 0.725 | 4.0   | 64    | 0.01     |
| 85 c | Di-n-octyl phthalate       | 1.286 | 1.237 | 3.8   | 64    | 0.00     |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0   | 70    | 0.02     |
| 87   | Indeno(1,2,3-cd)pyrene     | 1.437 | 1.421 | 1.1   | 70    | 0.03     |
| 88   | Benzo(b)fluoranthene       | 1.195 | 1.147 | 4.0   | 68    | 0.02     |
| 89   | Benzo(k)fluoranthene       | 1.210 | 1.119 | 7.5   | 67    | 0.02     |
| 90 C | Benzo(a)pyrene             | 1.015 | 0.978 | 3.6   | 69    | 0.02     |
| 91   | Dibenzo(a,h)anthracene     | 1.205 | 1.187 | 1.5   | 70    | 0.03     |
| 92   | Benzo(g,h,i)perylene       | 1.175 | 1.164 | 0.9   | 71    | 0.03     |

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

(#) = Out of Range

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