

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP091721\  
 Data File : BP007022.D  
 Acq On : 17 Sep 2021 12:05  
 Operator : CG/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 LabSampleId :  
 SSTDCCC040

Quant Time: Sep 17 12:40:53 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP091621.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Sep 17 10:50:16 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   | 97    | 0.00     |
| 2    | 1,4-Dioxane                 | 0.536 | 0.500 | 6.7   | 98    | 0.00     |
| 3    | Pyridine                    | 1.379 | 1.371 | 0.6   | 102   | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.507 | 0.500 | 1.4   | 102   | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.225 | 1.177 | 3.9   | 98    | 0.00     |
| 6    | Aniline                     | 1.801 | 1.744 | 3.2   | 98    | 0.00     |
| 7 S  | Phenol-d6                   | 1.672 | 1.610 | 3.7   | 98    | 0.00     |
| 8    | 2-Chlorophenol              | 1.373 | 1.302 | 5.2   | 96    | 0.00     |
| 9    | Benzaldehyde                | 0.916 | 0.811 | 11.5  | 99    | 0.00     |
| 10 C | Phenol                      | 1.685 | 1.609 | 4.5   | 97    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.299 | 1.217 | 6.3   | 97    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.538 | 1.434 | 6.8   | 96    | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.559 | 1.451 | 6.9   | 96    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.493 | 1.390 | 6.9   | 96    | 0.00     |
| 15   | Benzyl Alcohol              | 1.078 | 1.058 | 1.9   | 98    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 1.519 | 1.455 | 4.2   | 99    | 0.00     |
| 17   | 2-Methylphenol              | 1.082 | 1.050 | 3.0   | 97    | 0.00     |
| 18   | Hexachloroethane            | 0.518 | 0.490 | 5.4   | 97    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 0.918 | 0.900 | 2.0   | 98    | 0.00     |
| 20   | 3+4-Methylphenols           | 1.465 | 1.437 | 1.9   | 97    | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0   | 96    | 0.00     |
| 22   | Acetophenone                | 0.504 | 0.482 | 4.4   | 96    | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.356 | 0.349 | 2.0   | 98    | 0.00     |
| 24   | Nitrobenzene                | 0.371 | 0.360 | 3.0   | 98    | 0.00     |
| 25   | Isophorone                  | 0.658 | 0.651 | 1.1   | 98    | 0.00     |
| 26 C | 2-Nitrophenol               | 0.161 | 0.168 | -4.3  | 101   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.283 | 0.276 | 2.5   | 97    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.399 | 0.382 | 4.3   | 97    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.324 | 0.317 | 2.2   | 97    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.368 | 0.348 | 5.4   | 96    | 0.00     |
| 31   | Naphthalene                 | 1.108 | 1.040 | 6.1   | 96    | 0.00     |
| 32   | Benzoic acid                | 0.169 | 0.196 | -16.0 | 105   | 0.00     |
| 33   | 4-Chloroaniline             | 0.430 | 0.422 | 1.9   | 98    | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.217 | 0.206 | 5.1   | 97    | 0.00     |
| 35   | Caprolactam                 | 0.089 | 0.095 | -6.7  | 101   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.327 | 0.325 | 0.6   | 99    | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.786 | 0.747 | 5.0   | 96    | 0.00     |
| 38   | 1-Methylnaphthalene         | 0.742 | 0.705 | 5.0   | 97    | 0.00     |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0   | 97    | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.636 | 0.599 | 5.8   | 97    | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 0.316 | 0.288 | 8.9   | 90    | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 0.241 | 0.242 | -0.4  | 99    | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 0.411 | 0.415 | -1.0  | 98    | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 0.453 | 0.447 | 1.3   | 98    | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 1.449 | 1.368 | 5.6   | 97    | 0.00     |
| 46   | 1,1'-Biphenyl               | 1.560 | 1.470 | 5.8   | 97    | 0.00     |
| 47   | 2-Chloronaphthalene         | 1.229 | 1.159 | 5.7   | 97    | 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             | 0.282 | 0.296 | -5.0 | 101   | 0.00     |
| 49   | Acenaphthylene             | 1.863 | 1.812 | 2.7  | 97    | 0.00     |
| 50   | Dimethylphthalate          | 1.460 | 1.412 | 3.3  | 99    | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 0.318 | 0.321 | -0.9 | 99    | 0.00     |
| 52 C | Acenaphthene               | 1.179 | 1.107 | 6.1  | 96    | 0.00     |
| 53   | 3-Nitroaniline             | 0.318 | 0.327 | -2.8 | 100   | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 0.168 | 0.170 | -1.2 | 101   | 0.00     |
| 55   | Dibenzofuran               | 1.910 | 1.804 | 5.5  | 97    | 0.00     |
| 56 P | 4-Nitrophenol              | 0.270 | 0.289 | -7.0 | 100   | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 0.407 | 0.427 | -4.9 | 100   | 0.00     |
| 58   | Fluorene                   | 1.490 | 1.420 | 4.7  | 98    | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.390 | 0.392 | -0.5 | 100   | 0.00     |
| 60   | Diethylphthalate           | 1.404 | 1.368 | 2.6  | 99    | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 0.748 | 0.711 | 4.9  | 97    | 0.00     |
| 62   | 4-Nitroaniline             | 0.319 | 0.338 | -6.0 | 101   | 0.00     |
| 63   | Azobenzene                 | 1.300 | 1.279 | 1.6  | 98    | 0.00     |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0  | 97    | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 0.121 | 0.124 | -2.5 | 102   | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 0.637 | 0.610 | 4.2  | 98    | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 0.221 | 0.212 | 4.1  | 98    | 0.00     |
| 68   | Hexachlorobenzene          | 0.249 | 0.238 | 4.4  | 99    | 0.00     |
| 69   | Atrazine                   | 0.189 | 0.200 | -5.8 | 100   | 0.00     |
| 70 C | Pentachlorophenol          | 0.149 | 0.157 | -5.4 | 101   | 0.00     |
| 71   | Phenanthrene               | 1.160 | 1.097 | 5.4  | 98    | 0.00     |
| 72   | Anthracene                 | 1.110 | 1.070 | 3.6  | 98    | 0.00     |
| 73   | Carbazole                  | 1.083 | 1.051 | 3.0  | 98    | 0.00     |
| 74   | Di-n-butylphthalate        | 1.108 | 1.130 | -2.0 | 101   | 0.00     |
| 75 C | Fluoranthene               | 1.336 | 1.293 | 3.2  | 99    | 0.00     |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0  | 100   | 0.00     |
| 77   | Benzydine                  | 0.427 | 0.464 | -8.7 | 100   | 0.00     |
| 78   | Pyrene                     | 1.386 | 1.333 | 3.8  | 100   | 0.00     |
| 79 S | Terphenyl-d14              | 1.042 | 1.013 | 2.8  | 99    | 0.00     |
| 80   | Butylbenzylphthalate       | 0.485 | 0.498 | -2.7 | 101   | 0.00     |
| 81   | Benzo(a)anthracene         | 1.359 | 1.306 | 3.9  | 101   | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 0.386 | 0.401 | -3.9 | 102   | 0.00     |
| 83   | Chrysene                   | 1.334 | 1.260 | 5.5  | 99    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 0.713 | 0.743 | -4.2 | 102   | 0.00     |
| 85 c | Di-n-octyl phthalate       | 1.166 | 1.231 | -5.6 | 103   | 0.00     |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0  | 101   | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 1.518 | 1.455 | 4.2  | 101   | 0.00     |
| 88   | Benzo(b)fluoranthene       | 1.358 | 1.296 | 4.6  | 101   | 0.00     |
| 89   | Benzo(k)fluoranthene       | 1.322 | 1.276 | 3.5  | 100   | 0.00     |
| 90 C | Benzo(a)pyrene             | 1.218 | 1.184 | 2.8  | 100   | 0.00     |
| 91   | Dibenzo(a,h)anthracene     | 1.313 | 1.261 | 4.0  | 101   | 0.00     |
| 92   | Benzo(g,h,i)perylene       | 1.267 | 1.210 | 4.5  | 101   | 0.01     |

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

(#) = Out of Range                      SPCC's out = 0    CCC's out = 0