

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP121322\  
 Data File : BP013096.D  
 Acq On : 13 Dec 2022 09:47  
 Operator : CG/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 LabSampleId :  
 SSTDCCC040

Quant Time: Dec 14 04:41:30 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP121322.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Dec 13 03:29:24 2022  
 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  | 91    | 0.00     |
| 2    | 1,4-Dioxane                 | 0.485 | 0.491 | -1.2 | 93    | 0.00     |
| 3    | Pyridine                    | 1.377 | 1.354 | 1.7  | 90    | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.617 | 0.669 | -8.4 | 98    | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.095 | 1.145 | -4.6 | 94    | 0.00     |
| 6    | Aniline                     | 1.731 | 1.790 | -3.4 | 92    | 0.00     |
| 7 S  | Phenol-d6                   | 1.429 | 1.507 | -5.5 | 93    | 0.00     |
| 8    | 2-Chlorophenol              | 1.290 | 1.319 | -2.2 | 92    | 0.00     |
| 9    | Benzaldehyde                | 0.858 | 0.851 | 0.8  | 94    | 0.00     |
| 10 C | Phenol                      | 1.600 | 1.666 | -4.1 | 92    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.288 | 1.305 | -1.3 | 91    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.501 | 1.524 | -1.5 | 92    | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.529 | 1.543 | -0.9 | 92    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.451 | 1.468 | -1.2 | 92    | 0.00     |
| 15   | Benzyl Alcohol              | 1.037 | 1.090 | -5.1 | 91    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 1.866 | 1.917 | -2.7 | 92    | 0.00     |
| 17   | 2-Methylphenol              | 1.058 | 1.096 | -3.6 | 91    | 0.00     |
| 18   | Hexachloroethane            | 0.518 | 0.530 | -2.3 | 92    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 0.928 | 0.980 | -5.6 | 91    | 0.00     |
| 20   | 3+4-Methylphenols           | 1.438 | 1.507 | -4.8 | 91    | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0  | 89    | 0.00     |
| 22   | Acetophenone                | 0.498 | 0.520 | -4.4 | 91    | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.365 | 0.391 | -7.1 | 92    | 0.00     |
| 24   | Nitrobenzene                | 0.380 | 0.400 | -5.3 | 92    | 0.00     |
| 25   | Isophorone                  | 0.620 | 0.657 | -6.0 | 90    | 0.00     |
| 26 C | 2-Nitrophenol               | 0.174 | 0.185 | -6.3 | 88    | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.262 | 0.275 | -5.0 | 91    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.397 | 0.411 | -3.5 | 90    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.324 | 0.341 | -5.2 | 90    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.382 | 0.388 | -1.6 | 90    | 0.00     |
| 31   | Naphthalene                 | 1.095 | 1.121 | -2.4 | 90    | 0.00     |
| 32   | Benzoic acid                | 0.207 | 0.206 | 0.5  | 87    | -0.01    |
| 33   | 4-Chloroaniline             | 0.408 | 0.433 | -6.1 | 91    | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.244 | 0.247 | -1.2 | 90    | 0.00     |
| 35   | Caprolactam                 | 0.084 | 0.085 | -1.2 | 92    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.302 | 0.322 | -6.6 | 91    | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.736 | 0.762 | -3.5 | 90    | 0.00     |
| 38   | 1-Methylnaphthalene         | 0.717 | 0.742 | -3.5 | 90    | 0.00     |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0  | 92    | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.713 | 0.741 | -3.9 | 90    | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 0.360 | 0.363 | -0.8 | 85    | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 0.241 | 0.258 | -7.1 | 95    | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 0.450 | 0.483 | -7.3 | 90    | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 0.486 | 0.526 | -8.2 | 92    | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 1.473 | 1.561 | -6.0 | 92    | 0.00     |
| 46   | 1,1'-Biphenyl               | 1.581 | 1.649 | -4.3 | 91    | 0.00     |
| 47   | 2-Chloronaphthalene         | 1.257 | 1.315 | -4.6 | 92    | 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             | 0.311 | 0.352 | -13.2 | 95    | 0.00     |
| 49   | Acenaphthylene             | 1.849 | 1.974 | -6.8  | 92    | 0.00     |
| 50   | Dimethylphthalate          | 1.463 | 1.534 | -4.9  | 94    | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 0.299 | 0.330 | -10.4 | 94    | 0.00     |
| 52 C | Acenaphthene               | 1.149 | 1.215 | -5.7  | 93    | 0.00     |
| 53   | 3-Nitroaniline             | 0.305 | 0.338 | -10.8 | 95    | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 0.178 | 0.188 | -5.6  | 95    | 0.00     |
| 55   | Dibenzofuran               | 1.839 | 1.925 | -4.7  | 94    | 0.00     |
| 56 P | 4-Nitrophenol              | 0.250 | 0.266 | -6.4  | 97    | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 0.374 | 0.418 | -11.8 | 96    | 0.00     |
| 58   | Fluorene                   | 1.424 | 1.520 | -6.7  | 96    | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.416 | 0.444 | -6.7  | 94    | 0.00     |
| 60   | Diethylphthalate           | 1.345 | 1.421 | -5.7  | 97    | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 0.737 | 0.781 | -6.0  | 95    | 0.00     |
| 62   | 4-Nitroaniline             | 0.285 | 0.327 | -14.7 | 99    | 0.00     |
| 63   | Azobenzene                 | 1.250 | 1.382 | -10.6 | 97    | 0.00     |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0   | 97    | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 0.128 | 0.130 | -1.6  | 96    | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 0.624 | 0.655 | -5.0  | 96    | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 0.236 | 0.244 | -3.4  | 95    | 0.00     |
| 68   | Hexachlorobenzene          | 0.277 | 0.282 | -1.8  | 96    | 0.00     |
| 69   | Atrazine                   | 0.175 | 0.190 | -8.6  | 99    | 0.00     |
| 70 C | Pentachlorophenol          | 0.163 | 0.168 | -3.1  | 97    | 0.00     |
| 71   | Phenanthrene               | 1.138 | 1.167 | -2.5  | 98    | 0.00     |
| 72   | Anthracene                 | 1.068 | 1.110 | -3.9  | 98    | 0.00     |
| 73   | Carbazole                  | 0.937 | 0.975 | -4.1  | 99    | 0.00     |
| 74   | Di-n-butylphthalate        | 1.030 | 1.077 | -4.6  | 97    | 0.00     |
| 75 C | Fluoranthene               | 1.225 | 1.252 | -2.2  | 99    | 0.00     |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0   | 97    | 0.00     |
| 77   | Benzidine                  | 0.284 | 0.302 | -6.3  | 92    | 0.00     |
| 78   | Pyrene                     | 1.437 | 1.547 | -7.7  | 99    | 0.00     |
| 79 S | Terphenyl-d14              | 1.014 | 1.120 | -10.5 | 100   | 0.00     |
| 80   | Butylbenzylphthalate       | 0.466 | 0.515 | -10.5 | 95    | 0.00     |
| 81   | Benzo(a)anthracene         | 1.367 | 1.479 | -8.2  | 98    | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 0.407 | 0.467 | -14.7 | 97    | 0.00     |
| 83   | Chrysene                   | 1.333 | 1.431 | -7.4  | 97    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 0.634 | 0.721 | -13.7 | 94    | 0.00     |
| 85 c | Di-n-octyl phthalate       | 1.064 | 1.206 | -13.3 | 93    | 0.00     |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0   | 97    | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 1.634 | 1.722 | -5.4  | 98    | 0.00     |
| 88   | Benzo(b)fluoranthene       | 1.288 | 1.322 | -2.6  | 99    | 0.00     |
| 89   | Benzo(k)fluoranthene       | 1.303 | 1.320 | -1.3  | 95    | 0.00     |
| 90 C | Benzo(a)pyrene             | 1.081 | 1.107 | -2.4  | 96    | 0.00     |
| 91   | Dibenzo(a,h)anthracene     | 1.358 | 1.430 | -5.3  | 98    | 0.00     |
| 92   | Benzo(g,h,i)perylene       | 1.346 | 1.416 | -5.2  | 99    | 0.00     |

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

(#) = Out of Range

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