

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP031622\  
 Data File : BP009420.D  
 Acq On : 16 Mar 2022 13:17  
 Operator : CG/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 LabSampleId :  
 SSTDCCC040

Quant Time: Mar 16 15:32:12 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP030522.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Mar 05 01:55:59 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    | 65    | -0.01    |
| 2    | 1,4-Dioxane                 | 0.583 | 0.495 | 15.1   | 62    | -0.01    |
| 3    | Pyridine                    | 1.243 | 1.125 | 9.5    | 64    | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.518 | 0.487 | 6.0    | 65    | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.370 | 1.270 | 7.3    | 66    | 0.00     |
| 6    | Aniline                     | 2.205 | 2.095 | 5.0    | 68    | 0.00     |
| 7 S  | Phenol-d6                   | 1.741 | 1.652 | 5.1    | 68    | 0.02     |
| 8    | 2-Chlorophenol              | 1.404 | 1.393 | 0.8    | 70    | 0.00     |
| 9    | Benzaldehyde                | 1.109 | 0.996 | 10.2   | 63    | -0.01    |
| 10 C | Phenol                      | 1.803 | 1.686 | 6.5    | 67    | 0.01     |
| 11   | bis(2-Chloroethyl)ether     | 1.395 | 1.318 | 5.5    | 66    | -0.01    |
| 12   | 1,3-Dichlorobenzene         | 1.654 | 1.543 | 6.7    | 68    | -0.01    |
| 13 C | 1,4-Dichlorobenzene         | 1.678 | 1.585 | 5.5    | 68    | -0.01    |
| 14   | 1,2-Dichlorobenzene         | 1.603 | 1.523 | 5.0    | 69    | -0.02    |
| 15   | Benzyl Alcohol              | 1.228 | 1.289 | -5.0   | 74    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 1.811 | 1.481 | 18.2   | 59    | -0.02    |
| 17   | 2-Methylphenol              | 1.167 | 1.168 | -0.1   | 71    | 0.00     |
| 18   | Hexachloroethane            | 0.584 | 0.568 | 2.7    | 70    | -0.02    |
| 19 P | n-Nitroso-di-n-propylamine  | 1.050 | 1.100 | -4.8   | 73    | -0.02    |
| 20   | 3+4-Methylphenols           | 1.564 | 1.600 | -2.3   | 72    | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0    | 68    | -0.01    |
| 22   | Acetophenone                | 0.535 | 0.530 | 0.9    | 73    | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.363 | 0.377 | -3.9   | 74    | -0.01    |
| 24   | Nitrobenzene                | 0.385 | 0.381 | 1.0    | 72    | -0.01    |
| 25   | Isophorone                  | 0.679 | 0.720 | -6.0   | 76    | 0.00     |
| 26 C | 2-Nitrophenol               | 0.149 | 0.197 | -32.2# | 91    | -0.01    |
| 27   | 2,4-Dimethylphenol          | 0.328 | 0.327 | 0.3    | 73    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.444 | 0.439 | 1.1    | 72    | -0.02    |
| 29 C | 2,4-Dichlorophenol          | 0.316 | 0.343 | -8.5   | 77    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.370 | 0.373 | -0.8   | 75    | -0.01    |
| 31   | Naphthalene                 | 1.108 | 1.083 | 2.3    | 72    | -0.02    |
| 32   | Benzoic acid                | 0.167 | 0.219 | -31.1# | 92    | 0.06     |
| 33   | 4-Chloroaniline             | 0.453 | 0.469 | -3.5   | 75    | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.225 | 0.251 | -11.6  | 83    | -0.02    |
| 35   | Caprolactam                 | 0.093 | 0.125 | -34.4# | 92    | 0.02     |
| 36 C | 4-Chloro-3-methylphenol     | 0.330 | 0.377 | -14.2  | 83    | 0.02     |
| 37   | 2-Methylnaphthalene         | 0.787 | 0.807 | -2.5   | 76    | -0.01    |
| 38   | 1-Methylnaphthalene         | 0.725 | 0.746 | -2.9   | 76    | -0.01    |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0    | 78    | -0.01    |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.674 | 0.688 | -2.1   | 85    | -0.01    |
| 41 P | Hexachlorocyclopentadiene   | 0.427 | 0.388 | 9.1    | 75    | -0.02    |
| 42 S | 2,4,6-Tribromophenol        | 0.242 | 0.366 | -51.2# | 122   | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 0.405 | 0.449 | -10.9  | 89    | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 0.444 | 0.490 | -10.4  | 89    | 0.01     |
| 45 S | 2-Fluorobiphenyl            | 1.454 | 1.428 | 1.8    | 83    | -0.01    |
| 46   | 1,1'-Biphenyl               | 1.633 | 1.563 | 4.3    | 80    | -0.01    |
| 47   | 2-Chloronaphthalene         | 1.237 | 1.197 | 3.2    | 81    | -0.01    |

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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             | 0.284 | 0.343 | -20.8  | 93    | 0.00     |
| 49   | Acenaphthylene             | 1.911 | 1.943 | -1.7   | 84    | 0.00     |
| 50   | Dimethylphthalate          | 1.475 | 1.600 | -8.5   | 91    | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 0.291 | 0.349 | -19.9  | 93    | 0.00     |
| 52 C | Acenaphthene               | 1.225 | 1.138 | 7.1    | 77    | -0.01    |
| 53   | 3-Nitroaniline             | 0.309 | 0.365 | -18.1  | 92    | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 0.125 | 0.172 | -37.6# | 105   | 0.01     |
| 55   | Dibenzofuran               | 1.855 | 1.859 | -0.2   | 85    | -0.01    |
| 56 P | 4-Nitrophenol              | 0.257 | 0.287 | -11.7  | 86    | 0.04     |
| 57   | 2,4-Dinitrotoluene         | 0.373 | 0.495 | -32.7# | 101   | 0.00     |
| 58   | Fluorene                   | 1.453 | 1.507 | -3.7   | 88    | -0.01    |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.374 | 0.457 | -22.2  | 100   | 0.00     |
| 60   | Diethylphthalate           | 1.436 | 1.625 | -13.2  | 93    | -0.02    |
| 61   | 4-Chlorophenyl-phenylether | 0.740 | 0.815 | -10.1  | 93    | -0.01    |
| 62   | 4-Nitroaniline             | 0.300 | 0.383 | -27.7# | 99    | 0.00     |
| 63   | Azobenzene                 | 1.411 | 1.395 | 1.1    | 81    | -0.01    |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0    | 86    | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 0.088 | 0.123 | -39.8# | 117   | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 0.628 | 0.610 | 2.9    | 90    | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 0.216 | 0.249 | -15.3  | 107   | -0.01    |
| 68   | Hexachlorobenzene          | 0.253 | 0.294 | -16.2  | 108   | 0.00     |
| 69   | Atrazine                   | 0.221 | 0.257 | -16.3  | 103   | 0.00     |
| 70 C | Pentachlorophenol          | 0.152 | 0.172 | -13.2  | 98    | 0.00     |
| 71   | Phenanthrene               | 1.149 | 1.115 | 3.0    | 90    | 0.00     |
| 72   | Anthracene                 | 1.144 | 1.153 | -0.8   | 92    | -0.01    |
| 73   | Carbazole                  | 1.042 | 1.033 | 0.9    | 90    | 0.00     |
| 74   | Di-n-butylphthalate        | 1.154 | 1.324 | -14.7  | 100   | -0.02    |
| 75 C | Fluoranthene               | 1.327 | 1.388 | -4.6   | 95    | 0.00     |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0    | 90    | 0.00     |
| 77   | Benzydine                  | 0.698 | 0.691 | 1.0    | 84    | 0.00     |
| 78   | Pyrene                     | 1.350 | 1.311 | 2.9    | 94    | 0.00     |
| 79 S | Terphenyl-d14              | 1.060 | 1.108 | -4.5   | 102   | 0.00     |
| 80   | Butylbenzylphthalate       | 0.487 | 0.572 | -17.5  | 105   | 0.00     |
| 81   | Benzo(a)anthracene         | 1.356 | 1.313 | 3.2    | 94    | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 0.498 | 0.578 | -16.1  | 106   | 0.00     |
| 83   | Chrysene                   | 1.316 | 1.286 | 2.3    | 95    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 0.780 | 0.854 | -9.5   | 99    | -0.01    |
| 85 c | Di-n-octyl phthalate       | 1.276 | 1.494 | -17.1  | 104   | -0.02    |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0    | 92    | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 1.554 | 1.565 | -0.7   | 98    | 0.00     |
| 88   | Benzo(b)fluoranthene       | 1.350 | 1.344 | 0.4    | 95    | 0.00     |
| 89   | Benzo(k)fluoranthene       | 1.290 | 1.218 | 5.6    | 93    | 0.00     |
| 90 C | Benzo(a)pyrene             | 1.281 | 1.273 | 0.6    | 96    | 0.00     |
| 91   | Dibenzo(a,h)anthracene     | 1.318 | 1.341 | -1.7   | 98    | 0.00     |
| 92   | Benzo(g,h,i)perylene       | 1.302 | 1.303 | -0.1   | 97    | 0.01     |

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

(#) = Out of Range

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