

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP012820\  
 Data File : BP001700.D  
 Acq On : 28 Jan 2020 11:34  
 Operator : CG/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jan 28 22:20:14 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP010820.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jan 24 22:23:46 2020  
 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                    | AvqRF | CCRF  | %Dev   | Area% | Dev(min) |
|------|-----------------------------|-------|-------|--------|-------|----------|
| 1 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0    | 75    | 0.00     |
| 2    | 1,4-Dioxane                 | 0.326 | 0.392 | -20.2  | 96    | 0.00     |
| 3    | Pyridine                    | 1.177 | 1.465 | -24.5  | 99    | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.834 | 1.135 | -36.1# | 109   | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.021 | 1.130 | -10.7  | 89    | 0.00     |
| 6    | Aniline                     | 2.040 | 2.260 | -10.8  | 87    | 0.00     |
| 7 S  | Phenol-d6                   | 1.632 | 1.821 | -11.6  | 90    | 0.00     |
| 8    | 2-Chlorophenol              | 1.192 | 1.285 | -7.8   | 88    | 0.00     |
| 9    | Benzaldehyde                | 0.975 | 1.067 | -9.4   | 96    | 0.00     |
| 10 C | Phenol                      | 1.688 | 1.865 | -10.5  | 88    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.324 | 1.395 | -5.4   | 85    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.498 | 1.539 | -2.7   | 81    | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.549 | 1.599 | -3.2   | 82    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.497 | 1.538 | -2.7   | 83    | 0.00     |
| 15   | Benzyl Alcohol              | 1.537 | 1.638 | -6.6   | 87    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 2.459 | 2.925 | -19.0  | 93    | 0.00     |
| 17   | 2-Methylphenol              | 1.172 | 1.282 | -9.4   | 89    | 0.00     |
| 18   | Hexachloroethane            | 0.605 | 0.649 | -7.3   | 86    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 1.244 | 1.431 | -15.0  | 92    | 0.00     |
| 20   | 3+4-Methylphenols           | 1.639 | 1.755 | -7.1   | 86    | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0    | 78    | 0.00     |
| 22   | Acetophenone                | 0.561 | 0.588 | -4.8   | 87    | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.458 | 0.496 | -8.3   | 91    | 0.00     |
| 24   | Nitrobenzene                | 0.463 | 0.502 | -8.4   | 92    | 0.00     |
| 25   | Isophorone                  | 0.821 | 0.879 | -7.1   | 90    | 0.00     |
| 26 C | 2-Nitrophenol               | 0.175 | 0.180 | -2.9   | 87    | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.261 | 0.275 | -5.4   | 88    | -0.01    |
| 28   | bis(2-Chloroethoxy)methane  | 0.481 | 0.502 | -4.4   | 88    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.358 | 0.340 | 5.0    | 80    | -0.01    |
| 30   | 1,2,4-Trichlorobenzene      | 0.432 | 0.423 | 2.1    | 82    | 0.00     |
| 31   | Naphthalene                 | 1.056 | 1.055 | 0.1    | 84    | -0.01    |
| 32   | Benzoic acid                | 0.222 | 0.022 | 90.1#  | 8#    | 0.08     |
| 33   | 4-Chloroaniline             | 0.486 | 0.477 | 1.9    | 84    | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.306 | 0.306 | 0.0    | 83    | 0.00     |
| 35   | Caprolactam                 | 0.130 | 0.127 | 2.3    | 85    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.429 | 0.425 | 0.9    | 84    | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.841 | 0.811 | 3.6    | 81    | 0.00     |
| 38   | 1-Methylnaphthalene         | 0.810 | 0.780 | 3.7    | 82    | 0.00     |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0    | 73    | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.685 | 0.715 | -4.4   | 81    | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 0.348 | 0.185 | 46.8#  | 40#   | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 0.304 | 0.269 | 11.5   | 70    | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 0.442 | 0.396 | 10.4   | 71    | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 0.470 | 0.419 | 10.9   | 70    | 0.00     |

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

|      | Compound                   | AvqRF | CCRF  | %Dev  | Area% | Dev(min) |
|------|----------------------------|-------|-------|-------|-------|----------|
| 45 S | 2-Fluorobiphenyl           | 1.360 | 1.434 | -5.4  | 82    | 0.00     |
| 46   | 1,1'-Biphenyl              | 1.433 | 1.486 | -3.7  | 81    | -0.01    |
| 47   | 2-Chloronaphthalene        | 1.191 | 1.231 | -3.4  | 81    | 0.00     |
| 48   | 2-Nitroaniline             | 0.468 | 0.549 | -17.3 | 92    | 0.00     |
| 49   | Acenaphthylene             | 1.837 | 1.879 | -2.3  | 81    | 0.00     |
| 50   | Dimethylphthalate          | 1.647 | 1.624 | 1.4   | 79    | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 0.349 | 0.342 | 2.0   | 78    | 0.00     |
| 52 C | Acenaphthene               | 1.138 | 1.130 | 0.7   | 80    | 0.00     |
| 53   | 3-Nitroaniline             | 0.369 | 0.368 | 0.3   | 81    | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 0.196 | 0.132 | 32.7# | 54    | 0.00     |
| 55   | Dibenzofuran               | 1.924 | 1.919 | 0.3   | 79    | 0.00     |
| 56 P | 4-Nitrophenol              | 0.295 | 0.309 | -4.7  | 84    | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 0.511 | 0.505 | 1.2   | 79    | 0.00     |
| 58   | Fluorene                   | 1.557 | 1.571 | -0.9  | 80    | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.485 | 0.372 | 23.3  | 62    | 0.00     |
| 60   | Diethylphthalate           | 1.694 | 1.662 | 1.9   | 78    | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 0.891 | 0.895 | -0.4  | 78    | 0.00     |
| 62   | 4-Nitroaniline             | 0.421 | 0.413 | 1.9   | 80    | 0.00     |
| 63   | Azobenzene                 | 1.693 | 1.891 | -11.7 | 89    | 0.00     |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0   | 71    | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 0.108 | 0.083 | 23.1  | 59    | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 0.530 | 0.541 | -2.1  | 78    | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 0.226 | 0.227 | -0.4  | 76    | 0.00     |
| 68   | Hexachlorobenzene          | 0.262 | 0.259 | 1.1   | 76    | 0.00     |
| 69   | Atrazine                   | 0.195 | 0.168 | 13.8  | 63    | 0.00     |
| 70 C | Pentachlorophenol          | 0.145 | 0.120 | 17.2  | 64    | 0.00     |
| 71   | Phenanthrene               | 1.088 | 1.093 | -0.5  | 78    | 0.00     |
| 72   | Anthracene                 | 1.059 | 1.082 | -2.2  | 79    | 0.00     |
| 73   | Carbazole                  | 0.994 | 0.979 | 1.5   | 76    | 0.00     |
| 74   | Di-n-butylphthalate        | 1.176 | 1.182 | -0.5  | 77    | -0.01    |
| 75 C | Fluoranthene               | 1.431 | 1.458 | -1.9  | 80    | 0.00     |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0   | 81    | 0.00     |
| 77   | Benzidine                  | 0.457 | 0.417 | 8.8   | 84    | 0.00     |
| 78   | Pyrene                     | 1.469 | 1.370 | 6.7   | 81    | 0.00     |
| 79 S | Terphenyl-d14              | 1.093 | 1.028 | 5.9   | 81    | 0.00     |
| 80   | Butylbenzylphthalate       | 0.558 | 0.538 | 3.6   | 83    | 0.00     |
| 81   | Benzo(a)anthracene         | 1.393 | 1.411 | -1.3  | 88    | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 0.522 | 0.510 | 2.3   | 86    | 0.00     |
| 83   | Chrysene                   | 1.357 | 1.366 | -0.7  | 89    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 0.765 | 0.785 | -2.6  | 89    | 0.00     |
| 85 c | Di-n-octyl phthalate       | 1.221 | 1.332 | -9.1  | 95    | 0.00     |
| 86   | Indeno(1,2,3-cd)pyrene     | 1.589 | 1.596 | -0.4  | 91    | 0.04     |
| 87 I | Perylene-d12               | 1.000 | 1.000 | 0.0   | 88    | 0.02     |

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|------|------------------------|-------|-------|------|-------|----------|
| 88   | Benzo(b)fluoranthene   | 1.260 | 1.320 | -4.8 | 100   | 0.00     |
| 89   | Benzo(k)fluoranthene   | 1.229 | 1.268 | -3.2 | 98    | 0.00     |
| 90 C | Benzo(a)pyrene         | 1.197 | 1.236 | -3.3 | 98    | 0.00     |
| 91   | Dibenzo(a,h)anthracene | 1.235 | 1.139 | 7.8  | 89    | 0.04     |
| 92   | Benzo(q,h,i)perylene   | 1.227 | 1.112 | 9.4  | 88    | 0.08     |

(#) = Out of Range

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