

Data Path : Z:\HPCHEM1\BNA F\Data\BF042417\  
 Data File : BF094577.D  
 Acq On : 24 Apr 2017 11:17  
 Operator : SJ/MA  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Apr 25 01:50:46 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041717.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Apr 17 14:59:23 2017  
 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   | 80    | 0.00     |
| 2    | 1,4-Dioxane                 | 0.701 | 0.664 | 5.3   | 76    | -0.01    |
| 3    | Pyridine                    | 1.532 | 1.554 | -1.4  | 77    | 0.01     |
| 4    | n-Nitrosodimethylamine      | 0.634 | 0.583 | 8.0   | 73    | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.205 | 1.166 | 3.2   | 79    | 0.00     |
| 6    | Aniline                     | 1.889 | 1.766 | 6.5   | 77    | 0.00     |
| 7 S  | Phenol-d6                   | 1.421 | 1.342 | 5.6   | 78    | 0.00     |
| 8    | 2-Chlorophenol              | 1.372 | 1.322 | 3.6   | 78    | 0.00     |
| 9    | Benzaldehyde                | 1.081 | 1.125 | -4.1  | 85    | 0.00     |
| 10 C | Phenol                      | 1.746 | 1.660 | 4.9   | 79    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.275 | 1.229 | 3.6   | 78    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.520 | 1.474 | 3.0   | 79    | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.529 | 1.483 | 3.0   | 79    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.408 | 1.356 | 3.7   | 79    | 0.00     |
| 15   | Benzyl Alcohol              | 1.054 | 0.970 | 8.0   | 74    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 1.672 | 1.618 | 3.2   | 79    | -0.01    |
| 17   | 2-Methylphenol              | 1.080 | 1.023 | 5.3   | 78    | 0.00     |
| 18   | Hexachloroethane            | 0.524 | 0.510 | 2.7   | 79    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 0.942 | 0.931 | 1.2   | 80    | 0.00     |
| 20   | 3+4-Methylphenols           | 1.468 | 1.411 | 3.9   | 78    | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0   | 81    | -0.01    |
| 22   | Acetophenone                | 0.486 | 0.472 | 2.9   | 80    | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.324 | 0.308 | 4.9   | 77    | 0.00     |
| 24   | Nitrobenzene                | 0.341 | 0.330 | 3.2   | 78    | 0.00     |
| 25   | Isophorone                  | 0.600 | 0.590 | 1.7   | 80    | 0.00     |
| 26 C | 2-Nitrophenol               | 0.183 | 0.171 | 6.6   | 74    | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.298 | 0.280 | 6.0   | 77    | -0.01    |
| 28   | bis(2-Chloroethoxy)methane  | 0.388 | 0.383 | 1.3   | 81    | -0.01    |
| 29 C | 2,4-Dichlorophenol          | 0.277 | 0.271 | 2.2   | 78    | -0.01    |
| 30   | 1,2,4-Trichlorobenzene      | 0.286 | 0.280 | 2.1   | 81    | -0.02    |
| 31   | Naphthalene                 | 0.961 | 0.925 | 3.7   | 80    | -0.01    |
| 32   | Benzoic acid                | 0.157 | 0.175 | -11.5 | 90    | 0.00     |
| 33   | 4-Chloroaniline             | 0.400 | 0.376 | 6.0   | 76    | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.143 | 0.140 | 2.1   | 80    | -0.01    |
| 35   | Caprolactam                 | 0.087 | 0.086 | 1.1   | 81    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.290 | 0.271 | 6.6   | 76    | -0.01    |
| 37   | 2-Methylnaphthalene         | 0.658 | 0.644 | 2.1   | 80    | -0.01    |
| 38 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0   | 81    | -0.01    |
| 39   | 1,2,4,5-Tetrachlorobenzene  | 0.570 | 0.570 | 0.0   | 82    | -0.01    |
| 40 P | Hexachlorocyclopentadiene   | 0.230 | 0.246 | -7.0  | 83    | -0.02    |
| 41 S | 2,4,6-Tribromophenol        | 0.156 | 0.163 | -4.5  | 84    | -0.01    |
| 42 C | 2,4,6-Trichlorophenol       | 0.400 | 0.393 | 1.8   | 80    | -0.01    |
| 43   | 2,4,5-Trichlorophenol       | 0.411 | 0.408 | 0.7   | 80    | -0.01    |
| 44 S | 2-Fluorobiphenyl            | 1.359 | 1.310 | 3.6   | 81    | -0.01    |

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|------|----------------------------|-------|-------|--------|-------|----------|
| 45   | 1,1'-Biphenyl              | 1.634 | 1.639 | -0.3   | 82    | -0.01    |
| 46   | 2-Chloronaphthalene        | 1.299 | 1.283 | 1.2    | 82    | -0.02    |
| 47   | 2-Nitroaniline             | 0.374 | 0.350 | 6.4    | 75    | 0.00     |
| 48   | Acenaphthylene             | 2.025 | 1.970 | 2.7    | 80    | -0.01    |
| 49   | Dimethylphthalate          | 1.490 | 1.513 | -1.5   | 84    | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 0.335 | 0.329 | 1.8    | 79    | 0.00     |
| 51 C | Acenaphthene               | 1.213 | 1.188 | 2.1    | 81    | -0.02    |
| 52   | 3-Nitroaniline             | 0.387 | 0.363 | 6.2    | 76    | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 0.158 | 0.161 | -1.9   | 81    | 0.00     |
| 54   | Dibenzofuran               | 1.763 | 1.767 | -0.2   | 84    | -0.02    |
| 55 P | 4-Nitrophenol              | 0.273 | 0.285 | -4.4   | 89    | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 0.410 | 0.431 | -5.1   | 86    | 0.00     |
| 57   | Fluorene                   | 1.373 | 1.354 | 1.4    | 82    | -0.01    |
| 58   | 2,3,4,6-Tetrachlorophenol  | 0.294 | 0.314 | -6.8   | 86    | -0.01    |
| 59   | Diethylphthalate           | 1.406 | 1.425 | -1.4   | 84    | 0.00     |
| 60   | 4-Chlorophenyl-phenylether | 0.571 | 0.585 | -2.5   | 84    | -0.01    |
| 61   | 4-Nitroaniline             | 0.393 | 0.336 | 14.5   | 68    | 0.00     |
| 62   | Azobenzene                 | 1.365 | 1.403 | -2.8   | 84    | -0.01    |
| 63 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0    | 86    | -0.01    |
| 64   | 4,6-Dinitro-2-methylphenol | 0.131 | 0.126 | 3.8    | 80    | 0.00     |
| 65 c | n-Nitrosodiphenylamine     | 0.696 | 0.662 | 4.9    | 84    | -0.01    |
| 66   | 4-Bromophenyl-phenylether  | 0.199 | 0.193 | 3.0    | 84    | -0.01    |
| 67   | Hexachlorobenzene          | 0.200 | 0.195 | 2.5    | 85    | -0.01    |
| 68   | Atrazine                   | 0.208 | 0.201 | 3.4    | 84    | 0.00     |
| 69 C | Pentachlorophenol          | 0.079 | 0.097 | -22.8# | 102   | -0.01    |
| 70   | Phenanthrene               | 1.126 | 1.085 | 3.6    | 86    | -0.01    |
| 71   | Anthracene                 | 1.165 | 1.126 | 3.3    | 84    | -0.01    |
| 72   | Carbazole                  | 1.093 | 1.046 | 4.3    | 84    | -0.01    |
| 73   | Di-n-butylphthalate        | 1.204 | 1.237 | -2.7   | 89    | -0.01    |
| 74 C | Fluoranthene               | 1.167 | 1.139 | 2.4    | 86    | -0.01    |
| 75 I | Chrysene-d12               | 1.000 | 1.000 | 0.0    | 90    | 0.00     |
| 76   | Benzidine                  | 0.810 | 0.636 | 21.5   | 68    | 0.00     |
| 77   | Pyrene                     | 1.397 | 1.326 | 5.1    | 85    | -0.01    |
| 78 S | Terphenyl-d14              | 0.748 | 0.717 | 4.1    | 88    | -0.01    |
| 79   | Butylbenzylphthalate       | 0.612 | 0.608 | 0.7    | 88    | -0.01    |
| 80   | Benzo(a)anthracene         | 1.162 | 1.103 | 5.1    | 85    | 0.00     |
| 81   | 3,3'-Dichlorobenzidine     | 0.412 | 0.375 | 9.0    | 80    | 0.00     |
| 82   | Chrysene                   | 1.062 | 1.038 | 2.3    | 89    | -0.01    |
| 83   | Bis(2-ethylhexyl)phthalate | 0.822 | 0.872 | -6.1   | 94    | 0.00     |
| 84 c | Di-n-octyl phthalate       | 1.379 | 1.455 | -5.5   | 93    | 0.00     |
| 85   | Indeno(1,2,3-cd)pyrene     | 1.011 | 0.882 | 12.8   | 81    | 0.00     |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0    | 84    | 0.00     |
| 87   | Benzo(b)fluoranthene       | 1.223 | 1.191 | 2.6    | 81    | 0.00     |

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|------|------------------------|-------|-------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 1.158 | 1.192 | -2.9 | 89    | 0.00     |
| 89 C | Benzo(a)pyrene         | 1.138 | 1.129 | 0.8  | 84    | 0.00     |
| 90   | Dibenzo(a,h)anthracene | 0.945 | 0.880 | 6.9  | 82    | 0.00     |
| 91   | Benzo(a,h,i)perylene   | 0.962 | 0.863 | 10.3 | 81    | 0.00     |

(#) = Out of Range

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