

Data Path : Z:\HPCHEM1\BNA F\Data\BF102517\  
 Data File : BF099809.D  
 Acq On : 25 Oct 2017 13:04  
 Operator : SJ/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Oct 25 17:02:42 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Oct 25 17:02:52 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  | 84    | 0.00     |
| 2    | 1,4-Dioxane                 | 0.563 | 0.564 | -0.2 | 83    | 0.00     |
| 3    | Pyridine                    | 1.353 | 1.327 | 1.9  | 76    | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.483 | 0.501 | -3.7 | 79    | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.274 | 1.315 | -3.2 | 84    | 0.00     |
| 6    | Aniline                     | 1.959 | 1.997 | -1.9 | 84    | 0.00     |
| 7 S  | Phenol-d6                   | 1.511 | 1.528 | -1.1 | 84    | 0.00     |
| 8    | 2-Chlorophenol              | 1.358 | 1.374 | -1.2 | 82    | 0.00     |
| 9    | Benzaldehyde                | 0.903 | 0.902 | 0.1  | 82    | 0.00     |
| 10 C | Phenol                      | 1.658 | 1.678 | -1.2 | 83    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.281 | 1.308 | -2.1 | 82    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.524 | 1.525 | -0.1 | 83    | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.547 | 1.571 | -1.6 | 84    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.410 | 1.455 | -3.2 | 86    | 0.00     |
| 15   | Benzyl Alcohol              | 0.961 | 0.974 | -1.4 | 85    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 1.423 | 1.428 | -0.4 | 83    | 0.00     |
| 17   | 2-Methylphenol              | 1.136 | 1.157 | -1.8 | 84    | 0.00     |
| 18   | Hexachloroethane            | 0.516 | 0.510 | 1.2  | 82    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 0.885 | 0.884 | 0.1  | 84    | 0.00     |
| 20   | 3+4-Methylphenols           | 1.322 | 1.362 | -3.0 | 87    | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0  | 85    | 0.00     |
| 22   | Acetophenone                | 0.455 | 0.445 | 2.2  | 85    | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.311 | 0.301 | 3.2  | 83    | 0.00     |
| 24   | Nitrobenzene                | 0.313 | 0.306 | 2.2  | 81    | 0.00     |
| 25   | Isophorone                  | 0.564 | 0.547 | 3.0  | 82    | 0.00     |
| 26 C | 2-Nitrophenol               | 0.179 | 0.182 | -1.7 | 82    | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.264 | 0.262 | 0.8  | 84    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.395 | 0.389 | 1.5  | 84    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.274 | 0.276 | -0.7 | 84    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.293 | 0.288 | 1.7  | 82    | 0.00     |
| 31   | Naphthalene                 | 0.965 | 0.960 | 0.5  | 85    | 0.00     |
| 32   | Benzoic acid                | 0.233 | 0.237 | -1.7 | 87    | 0.00     |
| 33   | 4-Chloroaniline             | 0.399 | 0.409 | -2.5 | 85    | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.151 | 0.148 | 2.0  | 84    | 0.00     |
| 35   | Caprolactam                 | 0.086 | 0.087 | -1.2 | 84    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.280 | 0.274 | 2.1  | 83    | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.647 | 0.648 | -0.2 | 86    | 0.00     |
| 38 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0  | 85    | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene  | 0.646 | 0.635 | 1.7  | 84    | 0.00     |
| 40 P | Hexachlorocyclopentadiene   | 0.093 | 0.093 | 0.0  | 82    | 0.00     |
| 41 S | 2,4,6-Tribromophenol        | 0.182 | 0.181 | 0.5  | 85    | 0.00     |
| 42 C | 2,4,6-Trichlorophenol       | 0.391 | 0.389 | 0.5  | 86    | 0.00     |
| 43   | 2,4,5-Trichlorophenol       | 0.415 | 0.417 | -0.5 | 82    | 0.00     |
| 44 S | 2-Fluorobiphenyl            | 1.296 | 1.322 | -2.0 | 85    | 0.00     |

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

|      | Compound                   | AvqRF | CCRF  | %Dev | Area% | Dev(min) |
|------|----------------------------|-------|-------|------|-------|----------|
| 45   | 1,1'-Biphenyl              | 1.809 | 1.771 | 2.1  | 85    | 0.00     |
| 46   | 2-Chloronaphthalene        | 1.314 | 1.282 | 2.4  | 83    | 0.00     |
| 47   | 2-Nitroaniline             | 0.345 | 0.340 | 1.4  | 82    | 0.00     |
| 48   | Acenaphthylene             | 2.024 | 2.001 | 1.1  | 85    | 0.00     |
| 49   | Dimethylphthalate          | 1.584 | 1.520 | 4.0  | 82    | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 0.333 | 0.326 | 2.1  | 82    | 0.00     |
| 51 C | Acenaphthene               | 1.237 | 1.205 | 2.6  | 85    | 0.00     |
| 52   | 3-Nitroaniline             | 0.392 | 0.397 | -1.3 | 85    | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 0.114 | 0.111 | 2.6  | 79    | 0.00     |
| 54   | Dibenzofuran               | 1.746 | 1.692 | 3.1  | 84    | 0.00     |
| 55 P | 4-Nitrophenol              | 0.205 | 0.206 | -0.5 | 81    | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 0.401 | 0.393 | 2.0  | 83    | 0.00     |
| 57   | Fluorene                   | 1.445 | 1.421 | 1.7  | 85    | 0.00     |
| 58   | 2,3,4,6-Tetrachlorophenol  | 0.291 | 0.294 | -1.0 | 84    | 0.00     |
| 59   | Diethylphthalate           | 1.547 | 1.502 | 2.9  | 83    | 0.00     |
| 60   | 4-Chlorophenyl-phenylether | 0.680 | 0.668 | 1.8  | 86    | 0.00     |
| 61   | 4-Nitroaniline             | 0.374 | 0.387 | -3.5 | 86    | 0.00     |
| 62   | Azobenzene                 | 1.297 | 1.268 | 2.2  | 82    | 0.00     |
| 63 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0  | 85    | 0.00     |
| 64   | 4,6-Dinitro-2-methylphenol | 0.126 | 0.125 | 0.8  | 82    | 0.00     |
| 65 c | n-Nitrosodiphenylamine     | 0.738 | 0.727 | 1.5  | 86    | 0.00     |
| 66   | 4-Bromophenyl-phenylether  | 0.211 | 0.207 | 1.9  | 85    | 0.00     |
| 67   | Hexachlorobenzene          | 0.215 | 0.207 | 3.7  | 83    | 0.00     |
| 68   | Atrazine                   | 0.222 | 0.214 | 3.6  | 82    | 0.00     |
| 69 C | Pentachlorophenol          | 0.092 | 0.091 | 1.1  | 85    | 0.00     |
| 70   | Phenanthrene               | 1.129 | 1.102 | 2.4  | 85    | 0.00     |
| 71   | Anthracene                 | 1.146 | 1.120 | 2.3  | 86    | 0.00     |
| 72   | Carbazole                  | 1.077 | 1.072 | 0.5  | 86    | 0.00     |
| 73   | Di-n-butylphthalate        | 1.374 | 1.313 | 4.4  | 82    | 0.00     |
| 74 C | Fluoranthene               | 1.173 | 1.167 | 0.5  | 86    | 0.00     |
| 75 I | Chrysene-d12               | 1.000 | 1.000 | 0.0  | 89    | 0.00     |
| 76   | Benzidine                  | 0.875 | 0.748 | 14.5 | 77    | 0.00     |
| 77   | Pyrene                     | 1.521 | 1.475 | 3.0  | 85    | 0.00     |
| 78 S | Terphenyl-d14              | 0.915 | 0.858 | 6.2  | 85    | 0.00     |
| 79   | Butylbenzylphthalate       | 0.749 | 0.706 | 5.7  | 81    | 0.00     |
| 80   | Benzo(a)anthracene         | 1.268 | 1.242 | 2.1  | 86    | 0.00     |
| 81   | 3,3'-Dichlorobenzidine     | 0.460 | 0.459 | 0.2  | 87    | 0.00     |
| 82   | Chrysene                   | 1.192 | 1.154 | 3.2  | 85    | 0.00     |
| 83   | Bis(2-ethylhexyl)phthalate | 1.052 | 0.951 | 9.6  | 81    | 0.00     |
| 84 c | Di-n-octyl phthalate       | 1.805 | 1.665 | 7.8  | 80    | 0.00     |
| 85   | Indeno(1,2,3-cd)pyrene     | 1.094 | 1.022 | 6.6  | 87    | 0.00     |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0  | 90    | 0.00     |
| 87   | Benzo(b)fluoranthene       | 1.263 | 1.185 | 6.2  | 88    | 0.00     |

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|------|------------------------|-------|-------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 1.191 | 1.232 | -3.4 | 88    | 0.00     |
| 89 C | Benzo(a)pyrene         | 1.134 | 1.125 | 0.8  | 89    | 0.00     |
| 90   | Dibenzo(a,h)anthracene | 1.008 | 0.932 | 7.5  | 86    | 0.00     |
| 91   | Benzo(a,h,i)perylene   | 0.986 | 0.903 | 8.4  | 84    | 0.00     |

(#) = Out of Range

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