

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042315\  
 Data File : BG016667.D  
 Acq On : 23 Apr 2015 23:46  
 Operator : TP/IZ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTDCCC040EC

Quant Time: Apr 24 02:27:41 2015  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG042315.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Apr 23 19:19:11 2015  
 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   | 102   | 0.00     |
| 2    | 1,4-Dioxane                 | 0.534 | 0.587 | -9.9  | 105   | 0.00     |
| 3    | Pyridine                    | 1.516 | 1.656 | -9.2  | 104   | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.447 | 0.465 | -4.0  | 103   | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.232 | 1.312 | -6.5  | 103   | 0.00     |
| 6    | Aniline                     | 2.371 | 2.504 | -5.6  | 100   | 0.00     |
| 7 S  | Phenol-d6                   | 1.729 | 1.831 | -5.9  | 100   | 0.00     |
| 8    | 2-Chlorophenol              | 1.523 | 1.592 | -4.5  | 101   | 0.00     |
| 9    | Benzaldehyde                | 0.706 | 0.656 | 7.1   | 101   | 0.00     |
| 10 C | Phenol                      | 1.823 | 1.913 | -4.9  | 101   | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.423 | 1.464 | -2.9  | 101   | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.575 | 1.624 | -3.1  | 101   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.610 | 1.688 | -4.8  | 103   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.537 | 1.589 | -3.4  | 101   | 0.00     |
| 15   | Benzyl Alcohol              | 1.085 | 1.162 | -7.1  | 99    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 1.332 | 1.362 | -2.3  | 100   | 0.00     |
| 17   | 2-Methylphenol              | 1.219 | 1.303 | -6.9  | 100   | 0.00     |
| 18   | Hexachloroethane            | 0.568 | 0.605 | -6.5  | 105   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 1.078 | 1.136 | -5.4  | 98    | 0.00     |
| 20   | 3+4-Methylphenols           | 1.713 | 1.812 | -5.8  | 101   | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0   | 98    | 0.00     |
| 22   | Acetophenone                | 0.439 | 0.474 | -8.0  | 100   | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.317 | 0.344 | -8.5  | 100   | 0.00     |
| 24   | Nitrobenzene                | 0.332 | 0.360 | -8.4  | 100   | 0.00     |
| 25   | Isophorone                  | 0.656 | 0.704 | -7.3  | 97    | 0.00     |
| 26 C | 2-Nitrophenol               | 0.193 | 0.213 | -10.4 | 100   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.322 | 0.345 | -7.1  | 99    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.396 | 0.421 | -6.3  | 99    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.274 | 0.295 | -7.7  | 97    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.290 | 0.305 | -5.2  | 99    | 0.00     |
| 31   | Naphthalene                 | 1.055 | 1.106 | -4.8  | 99    | 0.00     |
| 32   | Benzoic acid                | 0.151 | 0.135 | 10.6  | 79    | 0.00     |
| 33   | 4-Chloroaniline             | 0.486 | 0.511 | -5.1  | 97    | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.130 | 0.137 | -5.4  | 101   | 0.00     |
| 35   | Caprolactam                 | 0.148 | 0.157 | -6.1  | 91    | -0.02    |
| 36 C | 4-Chloro-3-methylphenol     | 0.318 | 0.341 | -7.2  | 96    | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.762 | 0.791 | -3.8  | 97    | 0.00     |
| 38 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0   | 95    | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene  | 0.476 | 0.504 | -5.9  | 95    | 0.00     |
| 40 P | Hexachlorocyclopentadiene   | 0.153 | 0.169 | -10.5 | 97    | 0.00     |
| 41 S | 2,4,6-Tribromophenol        | 0.148 | 0.155 | -4.7  | 91    | 0.00     |
| 42 C | 2,4,6-Trichlorophenol       | 0.348 | 0.372 | -6.9  | 91    | 0.00     |
| 43   | 2,4,5-Trichlorophenol       | 0.368 | 0.394 | -7.1  | 93    | 0.00     |
| 44 S | 2-Fluorobiphenyl            | 1.245 | 1.328 | -6.7  | 96    | 0.00     |

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|      | Compound                   | AvqRF | CCRF  | %Dev  | Area% | Dev(min) |
|------|----------------------------|-------|-------|-------|-------|----------|
| 45   | 1,1'-Biphenyl              | 1.571 | 1.662 | -5.8  | 95    | 0.00     |
| 46   | 2-Chloronaphthalene        | 1.207 | 1.277 | -5.8  | 96    | 0.00     |
| 47   | 2-Nitroaniline             | 0.329 | 0.362 | -10.0 | 93    | 0.00     |
| 48   | Acenaphthylene             | 2.115 | 2.250 | -6.4  | 94    | 0.00     |
| 49   | Dimethylphthalate          | 1.496 | 1.566 | -4.7  | 93    | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 0.367 | 0.385 | -4.9  | 91    | 0.00     |
| 51 C | Acenaphthene               | 1.269 | 1.321 | -4.1  | 94    | 0.00     |
| 52   | 3-Nitroaniline             | 0.444 | 0.471 | -6.1  | 89    | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 0.164 | 0.163 | 0.6   | 83    | 0.00     |
| 54   | Dibenzofuran               | 1.790 | 1.844 | -3.0  | 93    | 0.00     |
| 55 P | 4-Nitrophenol              | 0.333 | 0.352 | -5.7  | 92    | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 0.503 | 0.543 | -8.0  | 91    | 0.00     |
| 57   | Fluorene                   | 1.565 | 1.624 | -3.8  | 93    | 0.00     |
| 58   | 2,3,4,6-Tetrachlorophenol  | 0.279 | 0.288 | -3.2  | 90    | 0.00     |
| 59   | Diethylphthalate           | 1.559 | 1.628 | -4.4  | 92    | 0.00     |
| 60   | 4-Chlorophenyl-phenylether | 0.654 | 0.663 | -1.4  | 91    | 0.00     |
| 61   | 4-Nitroaniline             | 0.491 | 0.557 | -13.4 | 94    | 0.00     |
| 62   | Azobenzene                 | 1.424 | 1.482 | -4.1  | 92    | 0.00     |
| 63 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0   | 91    | 0.00     |
| 64   | 4,6-Dinitro-2-methylphenol | 0.135 | 0.143 | -5.9  | 89    | 0.00     |
| 65 c | n-Nitrosodiphenylamine     | 0.686 | 0.729 | -6.3  | 92    | 0.00     |
| 66   | 4-Bromophenyl-phenylether  | 0.167 | 0.173 | -3.6  | 90    | 0.00     |
| 67   | Hexachlorobenzene          | 0.172 | 0.181 | -5.2  | 93    | 0.00     |
| 68   | Atrazine                   | 0.184 | 0.194 | -5.4  | 90    | 0.00     |
| 69 C | Pentachlorophenol          | 0.083 | 0.084 | -1.2  | 84    | 0.00     |
| 70   | Phenanthrene               | 1.149 | 1.213 | -5.6  | 92    | 0.00     |
| 71   | Anthracene                 | 1.143 | 1.222 | -6.9  | 92    | 0.00     |
| 72   | Carbazole                  | 1.145 | 1.248 | -9.0  | 94    | 0.00     |
| 73   | Di-n-butylphthalate        | 1.365 | 1.515 | -11.0 | 93    | 0.00     |
| 74 C | Fluoranthene               | 1.217 | 1.314 | -8.0  | 94    | 0.00     |
| 75 I | Chrysene-d12               | 1.000 | 1.000 | 0.0   | 96    | 0.00     |
| 76   | Benzidine                  | 0.681 | 0.696 | -2.2  | 98    | 0.00     |
| 77   | Pyrene                     | 1.405 | 1.438 | -2.3  | 94    | 0.00     |
| 78 S | Terphenyl-d14              | 0.868 | 0.891 | -2.6  | 94    | 0.00     |
| 79   | Butylbenzylphthalate       | 0.691 | 0.741 | -7.2  | 94    | 0.00     |
| 80   | Benzo(a)anthracene         | 1.213 | 1.254 | -3.4  | 95    | 0.00     |
| 81   | 3,3'-Dichlorobenzidine     | 0.395 | 0.420 | -6.3  | 96    | 0.00     |
| 82   | Chrysene                   | 1.163 | 1.199 | -3.1  | 95    | 0.00     |
| 83   | Bis(2-ethylhexyl)phthalate | 0.940 | 1.025 | -9.0  | 96    | 0.00     |
| 84 c | Di-n-octyl phthalate       | 1.566 | 1.715 | -9.5  | 95    | 0.00     |
| 85   | Indeno(1,2,3-cd)pyrene     | 1.267 | 1.317 | -3.9  | 96    | 0.00     |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0   | 95    | 0.00     |
| 87   | Benzo(b)fluoranthene       | 1.215 | 1.264 | -4.0  | 95    | 0.00     |

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|------|------------------------|-------|-------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 1.186 | 1.279 | -7.8 | 97    | 0.00     |
| 89 C | Benzo(a)pyrene         | 1.145 | 1.206 | -5.3 | 96    | 0.00     |
| 90   | Dibenzo(a,h)anthracene | 1.113 | 1.172 | -5.3 | 95    | 0.00     |
| 91   | Benzo(a,h,i)perylene   | 1.133 | 1.190 | -5.0 | 95    | 0.00     |

(#) = Out of Range

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