

Data Path : Z:\HPCHEM1\BNA G\DATA\BG011117\  
 Data File : BG025471.D  
 Acq On : 11 Jan 2017 13:21  
 Operator : UM/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jan 11 13:57:29 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG122116.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jan 10 11:26:22 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   | 105   | 0.00     |
| 2    | 1,4-Dioxane                 | 0.469 | 0.506 | -7.9  | 112   | 0.00     |
| 3    | Pyridine                    | 1.361 | 1.460 | -7.3  | 103   | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.808 | 0.891 | -10.3 | 106   | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.100 | 1.147 | -4.3  | 106   | 0.00     |
| 6    | Aniline                     | 2.100 | 2.233 | -6.3  | 106   | 0.00     |
| 7 S  | Phenol-d6                   | 1.550 | 1.662 | -7.2  | 104   | 0.00     |
| 8    | 2-Chlorophenol              | 1.241 | 1.247 | -0.5  | 101   | 0.00     |
| 9    | Benzaldehyde                | 1.134 | 1.103 | 2.7   | 101   | 0.00     |
| 10 C | Phenol                      | 1.718 | 1.826 | -6.3  | 105   | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.324 | 1.369 | -3.4  | 105   | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.502 | 1.556 | -3.6  | 103   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.557 | 1.592 | -2.2  | 103   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.486 | 1.518 | -2.2  | 104   | 0.00     |
| 15   | Benzyl Alcohol              | 1.479 | 1.602 | -8.3  | 103   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 2.451 | 2.644 | -7.9  | 108   | 0.00     |
| 17   | 2-Methylphenol              | 1.128 | 1.208 | -7.1  | 106   | 0.00     |
| 18   | Hexachloroethane            | 0.598 | 0.622 | -4.0  | 100   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 1.309 | 1.358 | -3.7  | 103   | 0.00     |
| 20   | 3+4-Methylphenols           | 1.561 | 1.693 | -8.5  | 107   | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0   | 108   | 0.00     |
| 22   | Acetophenone                | 0.556 | 0.574 | -3.2  | 103   | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.453 | 0.479 | -5.7  | 105   | 0.00     |
| 24   | Nitrobenzene                | 0.497 | 0.526 | -5.8  | 106   | 0.00     |
| 25   | Isophorone                  | 0.820 | 0.858 | -4.6  | 103   | 0.00     |
| 26 C | 2-Nitrophenol               | 0.190 | 0.204 | -7.4  | 106   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.312 | 0.336 | -7.7  | 106   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.426 | 0.427 | -0.2  | 105   | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.334 | 0.367 | -9.9  | 109   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.404 | 0.411 | -1.7  | 104   | 0.00     |
| 31   | Naphthalene                 | 0.999 | 1.023 | -2.4  | 102   | 0.00     |
| 32   | Benzoic acid                | 0.251 | 0.250 | 0.4   | 97    | 0.00     |
| 33   | 4-Chloroaniline             | 0.420 | 0.449 | -6.9  | 103   | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.329 | 0.351 | -6.7  | 108   | 0.00     |
| 35   | Caprolactam                 | 0.126 | 0.129 | -2.4  | 103   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.412 | 0.435 | -5.6  | 104   | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.740 | 0.796 | -7.6  | 107   | 0.00     |
| 38 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0   | 107   | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene  | 0.660 | 0.696 | -5.5  | 107   | 0.00     |
| 40 P | Hexachlorocyclopentadiene   | 0.192 | 0.207 | -7.8  | 101   | 0.00     |
| 41 S | 2,4,6-Tribromophenol        | 0.322 | 0.327 | -1.6  | 101   | 0.00     |
| 42 C | 2,4,6-Trichlorophenol       | 0.416 | 0.417 | -0.2  | 101   | 0.00     |
| 43   | 2,4,5-Trichlorophenol       | 0.435 | 0.435 | 0.0   | 102   | 0.00     |
| 44 S | 2-Fluorobiphenyl            | 1.235 | 1.250 | -1.2  | 105   | 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              | 1.345 | 1.380 | -2.6  | 105   | 0.00     |
| 46   | 2-Chloronaphthalene        | 1.051 | 1.066 | -1.4  | 105   | 0.00     |
| 47   | 2-Nitroaniline             | 0.444 | 0.464 | -4.5  | 103   | 0.00     |
| 48   | Acenaphthylene             | 1.629 | 1.618 | 0.7   | 103   | 0.00     |
| 49   | Dimethylphthalate          | 1.458 | 1.452 | 0.4   | 100   | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 0.319 | 0.321 | -0.6  | 102   | 0.00     |
| 51 C | Acenaphthene               | 1.065 | 1.083 | -1.7  | 104   | 0.00     |
| 52   | 3-Nitroaniline             | 0.306 | 0.321 | -4.9  | 104   | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 0.183 | 0.187 | -2.2  | 98    | 0.00     |
| 54   | Dibenzofuran               | 1.684 | 1.698 | -0.8  | 102   | 0.00     |
| 55 P | 4-Nitrophenol              | 0.229 | 0.231 | -0.9  | 98    | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 0.464 | 0.491 | -5.8  | 106   | 0.00     |
| 57   | Fluorene                   | 1.410 | 1.429 | -1.3  | 104   | 0.00     |
| 58   | 2,3,4,6-Tetrachlorophenol  | 0.466 | 0.450 | 3.4   | 98    | 0.00     |
| 59   | Diethylphthalate           | 1.529 | 1.537 | -0.5  | 102   | 0.00     |
| 60   | 4-Chlorophenyl-phenylether | 0.799 | 0.788 | 1.4   | 101   | 0.00     |
| 61   | 4-Nitroaniline             | 0.308 | 0.316 | -2.6  | 94    | 0.00     |
| 62   | Azobenzene                 | 1.475 | 1.551 | -5.2  | 106   | 0.00     |
| 63 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0   | 105   | 0.00     |
| 64   | 4,6-Dinitro-2-methylphenol | 0.139 | 0.154 | -10.8 | 102   | 0.00     |
| 65 c | n-Nitrosodiphenylamine     | 0.541 | 0.556 | -2.8  | 102   | 0.00     |
| 66   | 4-Bromophenyl-phenylether  | 0.247 | 0.256 | -3.6  | 102   | 0.00     |
| 67   | Hexachlorobenzene          | 0.283 | 0.291 | -2.8  | 104   | 0.00     |
| 68   | Atrazine                   | 0.237 | 0.203 | 14.3  | 85    | 0.00     |
| 69 C | Pentachlorophenol          | 0.147 | 0.141 | 4.1   | 91    | 0.00     |
| 70   | Phenanthrene               | 1.031 | 1.069 | -3.7  | 104   | 0.00     |
| 71   | Anthracene                 | 1.047 | 1.080 | -3.2  | 104   | 0.00     |
| 72   | Carbazole                  | 0.937 | 0.983 | -4.9  | 105   | 0.00     |
| 73   | Di-n-butylphthalate        | 1.152 | 1.191 | -3.4  | 104   | 0.00     |
| 74 C | Fluoranthene               | 1.361 | 1.462 | -7.4  | 109   | 0.00     |
| 75 I | Chrysene-d12               | 1.000 | 1.000 | 0.0   | 120   | 0.00     |
| 76   | Benzidine                  | 0.499 | 0.467 | 6.4   | 106   | 0.00     |
| 77   | Pyrene                     | 1.045 | 1.040 | 0.5   | 110   | 0.00     |
| 78 S | Terphenyl-d14              | 0.754 | 0.730 | 3.2   | 109   | 0.00     |
| 79   | Butylbenzylphthalate       | 0.420 | 0.429 | -2.1  | 118   | 0.00     |
| 80   | Benzo(a)anthracene         | 1.116 | 1.153 | -3.3  | 116   | 0.00     |
| 81   | 3,3'-Dichlorobenzidine     | 0.433 | 0.460 | -6.2  | 119   | 0.00     |
| 82   | Chrysene                   | 1.070 | 1.097 | -2.5  | 117   | 0.00     |
| 83   | Bis(2-ethylhexyl)phthalate | 0.584 | 0.608 | -4.1  | 119   | 0.00     |
| 84 c | Di-n-octyl phthalate       | 0.970 | 1.040 | -7.2  | 121   | 0.00     |
| 85   | Indeno(1,2,3-cd)pyrene     | 1.360 | 1.492 | -9.7  | 123   | -0.02    |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0   | 125   | 0.00     |
| 87   | Benzo(b)fluoranthene       | 1.091 | 1.117 | -2.4  | 122   | 0.00     |

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|------|------------------------|-------|-------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 1.054 | 1.090 | -3.4 | 121   | 0.00     |
| 89 C | Benzo(a)pyrene         | 1.054 | 1.092 | -3.6 | 122   | 0.00     |
| 90   | Dibenzo(a,h)anthracene | 1.117 | 1.158 | -3.7 | 121   | 0.00     |
| 91   | Benzo(a,h,i)perylene   | 1.110 | 1.151 | -3.7 | 123   | 0.00     |

(#) = Out of Range

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