

Data Path : Z:\HPCHEM1\BNA G\DATA\BG093016\  
 Data File : BG024158.D  
 Acq On : 30 Sep 2016 14:00  
 Operator : UM/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Sep 30 17:15:20 2016  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG092316.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Sep 23 15:35:28 2016  
 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  | 108   | 0.00     |
| 2    | 1,4-Dioxane                 | 0.442 | 0.477 | -7.9 | 105   | -0.01    |
| 3    | Pyridine                    | 1.562 | 1.526 | 2.3  | 99    | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.792 | 0.682 | 13.9 | 92    | -0.01    |
| 5 S  | 2-Fluorophenol              | 1.154 | 1.109 | 3.9  | 96    | 0.00     |
| 6    | Aniline                     | 2.728 | 2.419 | 11.3 | 96    | 0.00     |
| 7 S  | Phenol-d6                   | 1.942 | 1.827 | 5.9  | 100   | 0.00     |
| 8    | 2-Chlorophenol              | 1.382 | 1.237 | 10.5 | 97    | -0.01    |
| 9    | Benzaldehyde                | 1.058 | 1.082 | -2.3 | 110   | 0.00     |
| 10 C | Phenol                      | 2.042 | 1.907 | 6.6  | 100   | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.610 | 1.494 | 7.2  | 98    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.541 | 1.399 | 9.2  | 97    | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.573 | 1.478 | 6.0  | 101   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.531 | 1.440 | 5.9  | 99    | 0.00     |
| 15   | Benzyl Alcohol              | 1.880 | 1.688 | 10.2 | 99    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 2.223 | 2.062 | 7.2  | 99    | -0.01    |
| 17   | 2-Methylphenol              | 1.358 | 1.311 | 3.5  | 104   | 0.00     |
| 18   | Hexachloroethane            | 0.663 | 0.604 | 8.9  | 96    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 1.908 | 1.676 | 12.2 | 96    | -0.01    |
| 20   | 3+4-Methylphenols           | 1.972 | 1.834 | 7.0  | 102   | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0  | 111   | -0.01    |
| 22   | Acetophenone                | 0.577 | 0.540 | 6.4  | 101   | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.507 | 0.459 | 9.5  | 97    | 0.00     |
| 24   | Nitrobenzene                | 0.544 | 0.481 | 11.6 | 95    | 0.00     |
| 25   | Isophorone                  | 1.035 | 0.930 | 10.1 | 99    | -0.01    |
| 26 C | 2-Nitrophenol               | 0.193 | 0.177 | 8.3  | 98    | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.323 | 0.293 | 9.3  | 97    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.503 | 0.477 | 5.2  | 103   | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.336 | 0.320 | 4.8  | 99    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.359 | 0.323 | 10.0 | 96    | 0.00     |
| 31   | Naphthalene                 | 1.013 | 0.949 | 6.3  | 102   | -0.01    |
| 32   | Benzoic acid                | 0.241 | 0.213 | 11.6 | 93    | -0.01    |
| 33   | 4-Chloroaniline             | 0.452 | 0.424 | 6.2  | 102   | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.283 | 0.243 | 14.1 | 93    | -0.01    |
| 35   | Caprolactam                 | 0.137 | 0.121 | 11.7 | 101   | -0.01    |
| 36 C | 4-Chloro-3-methylphenol     | 0.472 | 0.436 | 7.6  | 97    | -0.01    |
| 37   | 2-Methylnaphthalene         | 0.776 | 0.718 | 7.5  | 100   | -0.01    |
| 38 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0  | 110   | -0.01    |
| 39   | 1,2,4,5-Tetrachlorobenzene  | 0.584 | 0.534 | 8.6  | 96    | -0.01    |
| 40 P | Hexachlorocyclopentadiene   | 0.220 | 0.208 | 5.5  | 92    | -0.01    |
| 41 S | 2,4,6-Tribromophenol        | 0.287 | 0.232 | 19.2 | 88    | -0.01    |
| 42 C | 2,4,6-Trichlorophenol       | 0.378 | 0.344 | 9.0  | 94    | 0.00     |
| 43   | 2,4,5-Trichlorophenol       | 0.389 | 0.352 | 9.5  | 94    | 0.00     |
| 44 S | 2-Fluorobiphenyl            | 1.190 | 1.114 | 6.4  | 99    | -0.01    |

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|      | Compound                   | AvqRF | CCRF  | %Dev | Area% | Dev(min) |
|------|----------------------------|-------|-------|------|-------|----------|
| 45   | 1,1'-Biphenyl              | 1.368 | 1.322 | 3.4  | 102   | 0.00     |
| 46   | 2-Chloronaphthalene        | 1.021 | 0.957 | 6.3  | 100   | -0.01    |
| 47   | 2-Nitroaniline             | 0.475 | 0.410 | 13.7 | 91    | 0.00     |
| 48   | Acenaphthylene             | 1.734 | 1.647 | 5.0  | 103   | -0.01    |
| 49   | Dimethylphthalate          | 1.534 | 1.416 | 7.7  | 100   | -0.01    |
| 50   | 2,6-Dinitrotoluene         | 0.322 | 0.317 | 1.6  | 104   | -0.01    |
| 51 C | Acenaphthene               | 1.051 | 0.992 | 5.6  | 101   | -0.02    |
| 52   | 3-Nitroaniline             | 0.322 | 0.314 | 2.5  | 107   | -0.01    |
| 53 P | 2,4-Dinitrophenol          | 0.190 | 0.161 | 15.3 | 89    | 0.00     |
| 54   | Dibenzofuran               | 1.637 | 1.535 | 6.2  | 101   | -0.01    |
| 55 P | 4-Nitrophenol              | 0.225 | 0.199 | 11.6 | 95    | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 0.490 | 0.452 | 7.8  | 101   | -0.01    |
| 57   | Fluorene                   | 1.425 | 1.319 | 7.4  | 101   | -0.01    |
| 58   | 2,3,4,6-Tetrachlorophenol  | 0.375 | 0.334 | 10.9 | 92    | -0.01    |
| 59   | Diethylphthalate           | 1.652 | 1.484 | 10.2 | 101   | 0.00     |
| 60   | 4-Chlorophenyl-phenylether | 0.763 | 0.662 | 13.2 | 96    | -0.01    |
| 61   | 4-Nitroaniline             | 0.333 | 0.294 | 11.7 | 98    | -0.01    |
| 62   | Azobenzene                 | 1.679 | 1.521 | 9.4  | 99    | -0.01    |
| 63 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0  | 105   | -0.01    |
| 64   | 4,6-Dinitro-2-methylphenol | 0.139 | 0.129 | 7.2  | 92    | 0.00     |
| 65 c | n-Nitrosodiphenylamine     | 0.547 | 0.556 | -1.6 | 101   | -0.01    |
| 66   | 4-Bromophenyl-phenylether  | 0.232 | 0.212 | 8.6  | 93    | -0.01    |
| 67   | Hexachlorobenzene          | 0.261 | 0.234 | 10.3 | 91    | 0.00     |
| 68   | Atrazine                   | 0.242 | 0.209 | 13.6 | 88    | -0.01    |
| 69 C | Pentachlorophenol          | 0.124 | 0.105 | 15.3 | 86    | 0.00     |
| 70   | Phenanthrene               | 1.019 | 0.977 | 4.1  | 98    | -0.01    |
| 71   | Anthracene                 | 1.046 | 0.991 | 5.3  | 98    | 0.00     |
| 72   | Carbazole                  | 0.974 | 0.928 | 4.7  | 99    | -0.01    |
| 73   | Di-n-butylphthalate        | 1.275 | 1.134 | 11.1 | 94    | -0.01    |
| 74 C | Fluoranthene               | 1.330 | 1.169 | 12.1 | 96    | -0.01    |
| 75 I | Chrysene-d12               | 1.000 | 1.000 | 0.0  | 131   | -0.02    |
| 76   | Benzidine                  | 0.566 | 0.430 | 24.0 | 91    | 0.00     |
| 77   | Pyrene                     | 1.397 | 1.124 | 19.5 | 96    | -0.01    |
| 78 S | Terphenyl-d14              | 0.977 | 0.745 | 23.7 | 93    | -0.01    |
| 79   | Butylbenzylphthalate       | 0.514 | 0.472 | 8.2  | 116   | -0.01    |
| 80   | Benzo(a)anthracene         | 1.139 | 1.061 | 6.8  | 118   | -0.02    |
| 81   | 3,3'-Dichlorobenzidine     | 0.408 | 0.397 | 2.7  | 121   | -0.02    |
| 82   | Chrysene                   | 1.070 | 1.008 | 5.8  | 121   | -0.02    |
| 83   | Bis(2-ethylhexyl)phthalate | 0.614 | 0.664 | -8.1 | 132   | -0.02    |
| 84 c | Di-n-octyl phthalate       | 1.060 | 1.145 | -8.0 | 128   | -0.02    |
| 85   | Indeno(1,2,3-cd)pyrene     | 1.193 | 1.253 | -5.0 | 125   | -0.06    |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0  | 138   | -0.04    |
| 87   | Benzo(b)fluoranthene       | 1.164 | 1.086 | 6.7  | 124   | -0.03    |

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|------|------------------------|-------|-------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 1.156 | 1.097 | 5.1  | 126   | -0.03    |
| 89 C | Benzo(a)pyrene         | 1.125 | 1.057 | 6.0  | 126   | -0.03    |
| 90   | Dibenzo(a,h)anthracene | 1.123 | 1.027 | 8.5  | 124   | -0.06    |
| 91   | Benzo(a,h,i)perylene   | 1.132 | 1.054 | 6.9  | 126   | -0.06    |

(#) = Out of Range

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