

Data Path : Z:\HPCHEM1\BNA G\DATA\BG070816\  
 Data File : BG022918.D  
 Acq On : 8 Jul 2016 6:03  
 Operator : UM/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jul 08 07:12:03 2016  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG070816.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jul 07 16:51:07 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  | 100   | 0.00     |
| 2    | 1,4-Dioxane                 | 0.475 | 0.479 | -0.8 | 105   | 0.00     |
| 3    | Pyridine                    | 1.627 | 1.680 | -3.3 | 104   | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.698 | 0.720 | -3.2 | 102   | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.223 | 1.239 | -1.3 | 104   | 0.00     |
| 6    | Aniline                     | 2.654 | 2.746 | -3.5 | 103   | 0.00     |
| 7 S  | Phenol-d6                   | 1.915 | 1.981 | -3.4 | 102   | 0.00     |
| 8    | 2-Chlorophenol              | 1.301 | 1.347 | -3.5 | 104   | 0.00     |
| 9    | Benzaldehyde                | 1.280 | 1.265 | 1.2  | 101   | 0.00     |
| 10 C | Phenol                      | 1.971 | 2.035 | -3.2 | 103   | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.562 | 1.543 | 1.2  | 100   | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.593 | 1.588 | 0.3  | 103   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.595 | 1.660 | -4.1 | 106   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.585 | 1.573 | 0.8  | 104   | 0.00     |
| 15   | Benzyl Alcohol              | 1.754 | 1.854 | -5.7 | 103   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 1.908 | 1.917 | -0.5 | 101   | 0.00     |
| 17   | 2-Methylphenol              | 1.283 | 1.298 | -1.2 | 101   | 0.00     |
| 18   | Hexachloroethane            | 0.673 | 0.668 | 0.7  | 107   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 1.727 | 1.728 | -0.1 | 98    | 0.00     |
| 20   | 3+4-Methylphenols           | 1.789 | 1.876 | -4.9 | 99    | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0  | 98    | 0.00     |
| 22   | Acetophenone                | 0.600 | 0.588 | 2.0  | 97    | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.467 | 0.464 | 0.6  | 99    | 0.00     |
| 24   | Nitrobenzene                | 0.496 | 0.496 | 0.0  | 101   | 0.00     |
| 25   | Isophorone                  | 0.939 | 0.917 | 2.3  | 94    | 0.00     |
| 26 C | 2-Nitrophenol               | 0.195 | 0.194 | 0.5  | 93    | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.337 | 0.333 | 1.2  | 98    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.524 | 0.517 | 1.3  | 96    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.359 | 0.368 | -2.5 | 99    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.411 | 0.412 | -0.2 | 100   | 0.00     |
| 31   | Naphthalene                 | 1.018 | 1.026 | -0.8 | 101   | 0.00     |
| 32   | Benzoic acid                | 0.306 | 0.301 | 1.6  | 92    | 0.01     |
| 33   | 4-Chloroaniline             | 0.498 | 0.501 | -0.6 | 99    | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.334 | 0.338 | -1.2 | 103   | 0.00     |
| 35   | Caprolactam                 | 0.148 | 0.129 | 12.8 | 86    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.491 | 0.482 | 1.8  | 95    | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.805 | 0.811 | -0.7 | 97    | 0.00     |
| 38 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0  | 91    | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene  | 0.862 | 0.880 | -2.1 | 95    | 0.00     |
| 40 P | Hexachlorocyclopentadiene   | 0.496 | 0.508 | -2.4 | 95    | 0.00     |
| 41 S | 2,4,6-Tribromophenol        | 0.359 | 0.335 | 6.7  | 88    | 0.00     |
| 42 C | 2,4,6-Trichlorophenol       | 0.495 | 0.501 | -1.2 | 92    | 0.00     |
| 43   | 2,4,5-Trichlorophenol       | 0.509 | 0.508 | 0.2  | 94    | 0.00     |
| 44 S | 2-Fluorobiphenyl            | 1.270 | 1.282 | -0.9 | 96    | 0.00     |

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|      | Compound                   | AvqRF | CCRF  | %Dev  | Area% | Dev(min) |
|------|----------------------------|-------|-------|-------|-------|----------|
| 45   | 1,1'-Biphenyl              | 1.501 | 1.547 | -3.1  | 95    | 0.00     |
| 46   | 2-Chloronaphthalene        | 1.217 | 1.236 | -1.6  | 94    | 0.00     |
| 47   | 2-Nitroaniline             | 0.519 | 0.525 | -1.2  | 94    | 0.00     |
| 48   | Acenaphthylene             | 1.826 | 1.819 | 0.4   | 93    | 0.00     |
| 49   | Dimethylphthalate          | 1.634 | 1.563 | 4.3   | 90    | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 0.367 | 0.355 | 3.3   | 90    | 0.00     |
| 51 C | Acenaphthene               | 1.193 | 1.355 | -13.6 | 106   | 0.00     |
| 52   | 3-Nitroaniline             | 0.366 | 0.375 | -2.5  | 94    | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 0.252 | 0.225 | 10.7  | 80    | 0.00     |
| 54   | Dibenzofuran               | 1.786 | 1.755 | 1.7   | 93    | 0.00     |
| 55 P | 4-Nitrophenol              | 0.307 | 0.286 | 6.8   | 86    | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 0.535 | 0.520 | 2.8   | 91    | 0.00     |
| 57   | Fluorene                   | 1.537 | 1.505 | 2.1   | 93    | 0.00     |
| 58   | 2,3,4,6-Tetrachlorophenol  | 0.509 | 0.496 | 2.6   | 90    | 0.00     |
| 59   | Diethylphthalate           | 1.662 | 1.571 | 5.5   | 89    | 0.00     |
| 60   | 4-Chlorophenyl-phenylether | 0.936 | 0.902 | 3.6   | 89    | 0.00     |
| 61   | 4-Nitroaniline             | 0.396 | 0.374 | 5.6   | 89    | 0.00     |
| 62   | Azobenzene                 | 1.590 | 1.555 | 2.2   | 92    | 0.00     |
| 63 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0   | 90    | 0.00     |
| 64   | 4,6-Dinitro-2-methylphenol | 0.149 | 0.146 | 2.0   | 84    | 0.00     |
| 65 c | n-Nitrosodiphenylamine     | 0.576 | 0.587 | -1.9  | 90    | 0.00     |
| 66   | 4-Bromophenyl-phenylether  | 0.260 | 0.255 | 1.9   | 87    | 0.00     |
| 67   | Hexachlorobenzene          | 0.283 | 0.286 | -1.1  | 90    | 0.00     |
| 68   | Atrazine                   | 0.256 | 0.252 | 1.6   | 89    | 0.00     |
| 69 C | Pentachlorophenol          | 0.183 | 0.176 | 3.8   | 81    | 0.00     |
| 70   | Phenanthrene               | 0.980 | 0.981 | -0.1  | 91    | 0.00     |
| 71   | Anthracene                 | 0.992 | 0.998 | -0.6  | 92    | 0.00     |
| 72   | Carbazole                  | 0.858 | 0.854 | 0.5   | 91    | 0.00     |
| 73   | Di-n-butylphthalate        | 0.954 | 0.987 | -3.5  | 91    | 0.00     |
| 74 C | Fluoranthene               | 1.203 | 1.151 | 4.3   | 90    | 0.00     |
| 75 I | Chrysene-d12               | 1.000 | 1.000 | 0.0   | 89    | 0.00     |
| 76   | Benzidine                  | 0.573 | 0.519 | 9.4   | 79    | 0.00     |
| 77   | Pyrene                     | 1.124 | 1.079 | 4.0   | 91    | 0.00     |
| 78 S | Terphenyl-d14              | 0.646 | 0.665 | -2.9  | 93    | 0.00     |
| 79   | Butylbenzylphthalate       | 0.445 | 0.442 | 0.7   | 89    | 0.00     |
| 80   | Benzo(a)anthracene         | 1.119 | 1.118 | 0.1   | 92    | 0.00     |
| 81   | 3,3'-Dichlorobenzidine     | 0.491 | 0.488 | 0.6   | 88    | 0.00     |
| 82   | Chrysene                   | 1.050 | 1.049 | 0.1   | 92    | 0.00     |
| 83   | Bis(2-ethylhexyl)phthalate | 0.618 | 0.609 | 1.5   | 90    | 0.00     |
| 84 c | Di-n-octyl phthalate       | 1.031 | 1.030 | 0.1   | 90    | 0.00     |
| 85   | Indeno(1,2,3-cd)pyrene     | 1.338 | 1.309 | 2.2   | 90    | 0.02     |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0   | 88    | 0.01     |
| 87   | Benzo(b)fluoranthene       | 1.154 | 1.161 | -0.6  | 91    | 0.01     |

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|------|------------------------|-------|-------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 1.095 | 1.129 | -3.1 | 90    | 0.01     |
| 89 C | Benzo(a)pyrene         | 1.106 | 1.105 | 0.1  | 89    | 0.00     |
| 90   | Dibenzo(a,h)anthracene | 1.098 | 1.104 | -0.5 | 90    | 0.03     |
| 91   | Benzo(a,h,i)perylene   | 1.099 | 1.114 | -1.4 | 90    | 0.03     |

(#) = Out of Range

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