

Data Path : Z:\HPCHEM1\BNA G\DATA\BG070816\  
 Data File : BG022916.D  
 Acq On : 8 Jul 2016 4:43  
 Operator : UM/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jul 08 05:54:10 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  | 105   | 0.00     |
| 2    | 1,4-Dioxane                 | 0.475 | 0.424 | 10.7 | 98    | 0.00     |
| 3    | Pyridine                    | 1.627 | 1.562 | 4.0  | 101   | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.698 | 0.681 | 2.4  | 102   | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.223 | 1.204 | 1.6  | 106   | 0.00     |
| 6    | Aniline                     | 2.654 | 2.644 | 0.4  | 104   | 0.00     |
| 7 S  | Phenol-d6                   | 1.915 | 1.914 | 0.1  | 103   | 0.00     |
| 8    | 2-Chlorophenol              | 1.301 | 1.299 | 0.2  | 105   | 0.00     |
| 9    | Benzaldehyde                | 1.280 | 1.258 | 1.7  | 105   | 0.00     |
| 10 C | Phenol                      | 1.971 | 1.982 | -0.6 | 105   | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.562 | 1.519 | 2.8  | 103   | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.593 | 1.576 | 1.1  | 107   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.595 | 1.601 | -0.4 | 107   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.585 | 1.507 | 4.9  | 104   | 0.00     |
| 15   | Benzyl Alcohol              | 1.754 | 1.745 | 0.5  | 102   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 1.908 | 1.839 | 3.6  | 102   | 0.00     |
| 17   | 2-Methylphenol              | 1.283 | 1.298 | -1.2 | 106   | 0.00     |
| 18   | Hexachloroethane            | 0.673 | 0.640 | 4.9  | 108   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 1.727 | 1.662 | 3.8  | 99    | 0.00     |
| 20   | 3+4-Methylphenols           | 1.789 | 1.862 | -4.1 | 103   | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0  | 102   | 0.00     |
| 22   | Acetophenone                | 0.600 | 0.584 | 2.7  | 99    | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.467 | 0.460 | 1.5  | 101   | 0.00     |
| 24   | Nitrobenzene                | 0.496 | 0.490 | 1.2  | 103   | 0.00     |
| 25   | Isophorone                  | 0.939 | 0.898 | 4.4  | 95    | 0.00     |
| 26 C | 2-Nitrophenol               | 0.195 | 0.197 | -1.0 | 97    | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.337 | 0.327 | 3.0  | 100   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.524 | 0.506 | 3.4  | 97    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.359 | 0.363 | -1.1 | 101   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.411 | 0.405 | 1.5  | 101   | 0.00     |
| 31   | Naphthalene                 | 1.018 | 1.003 | 1.5  | 101   | 0.00     |
| 32   | Benzoic acid                | 0.306 | 0.291 | 4.9  | 91    | 0.01     |
| 33   | 4-Chloroaniline             | 0.498 | 0.484 | 2.8  | 99    | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.334 | 0.326 | 2.4  | 102   | 0.00     |
| 35   | Caprolactam                 | 0.148 | 0.132 | 10.8 | 90    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.491 | 0.472 | 3.9  | 96    | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.805 | 0.778 | 3.4  | 96    | 0.00     |
| 38 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0  | 93    | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene  | 0.862 | 0.897 | -4.1 | 98    | 0.00     |
| 40 P | Hexachlorocyclopentadiene   | 0.496 | 0.510 | -2.8 | 96    | 0.00     |
| 41 S | 2,4,6-Tribromophenol        | 0.359 | 0.335 | 6.7  | 89    | 0.00     |
| 42 C | 2,4,6-Trichlorophenol       | 0.495 | 0.499 | -0.8 | 93    | 0.00     |
| 43   | 2,4,5-Trichlorophenol       | 0.509 | 0.507 | 0.4  | 95    | 0.00     |
| 44 S | 2-Fluorobiphenyl            | 1.270 | 1.280 | -0.8 | 97    | 0.00     |

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|      | Compound                   | AvqRF | CCRF  | %Dev  | Area% | Dev(min) |
|------|----------------------------|-------|-------|-------|-------|----------|
| 45   | 1,1'-Biphenyl              | 1.501 | 1.533 | -2.1  | 96    | 0.00     |
| 46   | 2-Chloronaphthalene        | 1.217 | 1.221 | -0.3  | 94    | 0.00     |
| 47   | 2-Nitroaniline             | 0.519 | 0.508 | 2.1   | 92    | 0.00     |
| 48   | Acenaphthylene             | 1.826 | 1.819 | 0.4   | 94    | 0.00     |
| 49   | Dimethylphthalate          | 1.634 | 1.558 | 4.7   | 91    | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 0.367 | 0.358 | 2.5   | 92    | 0.00     |
| 51 C | Acenaphthene               | 1.193 | 1.355 | -13.6 | 108   | 0.00     |
| 52   | 3-Nitroaniline             | 0.366 | 0.352 | 3.8   | 90    | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 0.252 | 0.223 | 11.5  | 80    | 0.00     |
| 54   | Dibenzofuran               | 1.786 | 1.746 | 2.2   | 94    | 0.00     |
| 55 P | 4-Nitrophenol              | 0.307 | 0.288 | 6.2   | 88    | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 0.535 | 0.500 | 6.5   | 89    | 0.00     |
| 57   | Fluorene                   | 1.537 | 1.492 | 2.9   | 93    | 0.00     |
| 58   | 2,3,4,6-Tetrachlorophenol  | 0.509 | 0.487 | 4.3   | 90    | 0.00     |
| 59   | Diethylphthalate           | 1.662 | 1.553 | 6.6   | 89    | 0.00     |
| 60   | 4-Chlorophenyl-phenylether | 0.936 | 0.902 | 3.6   | 90    | 0.00     |
| 61   | 4-Nitroaniline             | 0.396 | 0.373 | 5.8   | 90    | 0.00     |
| 62   | Azobenzene                 | 1.590 | 1.541 | 3.1   | 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 | 0.586 | -1.7  | 90    | 0.00     |
| 66   | 4-Bromophenyl-phenylether  | 0.260 | 0.260 | 0.0   | 89    | 0.00     |
| 67   | Hexachlorobenzene          | 0.283 | 0.287 | -1.4  | 90    | 0.00     |
| 68   | Atrazine                   | 0.256 | 0.250 | 2.3   | 89    | 0.00     |
| 69 C | Pentachlorophenol          | 0.183 | 0.176 | 3.8   | 82    | 0.00     |
| 70   | Phenanthrene               | 0.980 | 0.976 | 0.4   | 90    | 0.00     |
| 71   | Anthracene                 | 0.992 | 0.992 | 0.0   | 91    | 0.00     |
| 72   | Carbazole                  | 0.858 | 0.850 | 0.9   | 90    | 0.00     |
| 73   | Di-n-butylphthalate        | 0.954 | 0.998 | -4.6  | 92    | 0.00     |
| 74 C | Fluoranthene               | 1.203 | 1.144 | 4.9   | 90    | 0.00     |
| 75 I | Chrysene-d12               | 1.000 | 1.000 | 0.0   | 88    | 0.00     |
| 76   | Benzidine                  | 0.573 | 0.495 | 13.6  | 73    | 0.00     |
| 77   | Pyrene                     | 1.124 | 1.104 | 1.8   | 91    | 0.00     |
| 78 S | Terphenyl-d14              | 0.646 | 0.685 | -6.0  | 93    | 0.00     |
| 79   | Butylbenzylphthalate       | 0.445 | 0.450 | -1.1  | 89    | 0.00     |
| 80   | Benzo(a)anthracene         | 1.119 | 1.129 | -0.9  | 91    | 0.00     |
| 81   | 3,3'-Dichlorobenzidine     | 0.491 | 0.492 | -0.2  | 87    | 0.00     |
| 82   | Chrysene                   | 1.050 | 1.073 | -2.2  | 92    | 0.00     |
| 83   | Bis(2-ethylhexyl)phthalate | 0.618 | 0.618 | 0.0   | 90    | 0.00     |
| 84 c | Di-n-octyl phthalate       | 1.031 | 1.036 | -0.5  | 89    | 0.00     |
| 85   | Indeno(1,2,3-cd)pyrene     | 1.338 | 1.304 | 2.5   | 88    | 0.01     |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0   | 88    | 0.00     |
| 87   | Benzo(b)fluoranthene       | 1.154 | 1.145 | 0.8   | 90    | 0.00     |

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|------|------------------------|-------|-------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 1.095 | 1.106 | -1.0 | 88    | 0.00     |
| 89 C | Benzo(a)pyrene         | 1.106 | 1.098 | 0.7  | 89    | 0.00     |
| 90   | Dibenzo(a,h)anthracene | 1.098 | 1.088 | 0.9  | 89    | 0.00     |
| 91   | Benzo(a,h,i)perylene   | 1.099 | 1.095 | 0.4  | 89    | 0.01     |

(#) = Out of Range

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