

Data Path : Z:\HPCHEM1\BNA G\DATA\BG062416\  
 Data File : BG022522.D  
 Acq On : 24 Jun 2016 2:50  
 Operator : UM/SJ  
 Sample : SSTDICV040  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 ICVBG062416

Quant Time: Jun 24 07:16:14 2016  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG062416.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jun 24 04:19:57 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   | 111   | 0.00     |
| 2    | 1,4-Dioxane                 | 0.495 | 0.443 | 10.5  | 99    | 0.00     |
| 3    | Pyridine                    | 1.517 | 1.399 | 7.8   | 101   | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.843 | 0.773 | 8.3   | 103   | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.235 | 1.119 | 9.4   | 104   | 0.00     |
| 6    | Aniline                     | 2.420 | 2.228 | 7.9   | 103   | 0.00     |
| 7 S  | Phenol-d6                   | 1.729 | 1.561 | 9.7   | 102   | 0.00     |
| 8    | 2-Chlorophenol              | 1.303 | 1.152 | 11.6  | 102   | 0.00     |
| 9    | Benzaldehyde                | 1.078 | 0.665 | 38.3# | 104   | 0.00     |
| 10 C | Phenol                      | 1.846 | 1.659 | 10.1  | 100   | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.447 | 1.301 | 10.1  | 105   | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.561 | 1.353 | 13.3  | 97    | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.604 | 1.380 | 14.0  | 101   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.482 | 1.318 | 11.1  | 100   | 0.00     |
| 15   | Benzyl Alcohol              | 1.868 | 1.611 | 13.8  | 99    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 1.680 | 1.470 | 12.5  | 99    | 0.00     |
| 17   | 2-Methylphenol              | 1.193 | 1.072 | 10.1  | 101   | 0.00     |
| 18   | Hexachloroethane            | 0.670 | 0.595 | 11.2  | 101   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 1.526 | 1.281 | 16.1  | 98    | 0.00     |
| 20   | 3+4-Methylphenols           | 1.661 | 1.447 | 12.9  | 99    | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0   | 106   | 0.00     |
| 22   | Acetophenone                | 0.575 | 0.529 | 8.0   | 101   | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.467 | 0.429 | 8.1   | 99    | 0.00     |
| 24   | Nitrobenzene                | 0.510 | 0.477 | 6.5   | 101   | 0.00     |
| 25   | Isophorone                  | 0.903 | 0.824 | 8.7   | 101   | 0.00     |
| 26 C | 2-Nitrophenol               | 0.186 | 0.170 | 8.6   | 98    | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.331 | 0.289 | 12.7  | 99    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.487 | 0.444 | 8.8   | 101   | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.350 | 0.320 | 8.6   | 98    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.402 | 0.373 | 7.2   | 100   | 0.00     |
| 31   | Naphthalene                 | 0.988 | 0.889 | 10.0  | 97    | 0.00     |
| 32   | Benzoic acid                | 0.188 | 0.188 | 0.0   | 95    | 0.00     |
| 33   | 4-Chloroaniline             | 0.456 | 0.414 | 9.2   | 96    | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.326 | 0.296 | 9.2   | 99    | 0.00     |
| 35   | Caprolactam                 | 0.106 | 0.100 | 5.7   | 103   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.426 | 0.378 | 11.3  | 97    | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.768 | 0.675 | 12.1  | 95    | 0.00     |
| 38 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0   | 102   | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene  | 0.720 | 0.648 | 10.0  | 99    | 0.00     |
| 40 P | Hexachlorocyclopentadiene   | 0.599 | 0.532 | 11.2  | 98    | 0.00     |
| 41 S | 2,4,6-Tribromophenol        | 0.310 | 0.274 | 11.6  | 96    | 0.00     |
| 42 C | 2,4,6-Trichlorophenol       | 0.483 | 0.421 | 12.8  | 96    | 0.00     |
| 43   | 2,4,5-Trichlorophenol       | 0.486 | 0.443 | 8.8   | 102   | 0.00     |
| 44 S | 2-Fluorobiphenyl            | 1.310 | 1.162 | 11.3  | 97    | 0.00     |

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|      | Compound                   | AvqRF | CCRF  | %Dev | Area% | Dev(min) |
|------|----------------------------|-------|-------|------|-------|----------|
| 45   | 1,1'-Biphenyl              | 1.475 | 1.340 | 9.2  | 99    | 0.00     |
| 46   | 2-Chloronaphthalene        | 1.197 | 1.080 | 9.8  | 97    | 0.00     |
| 47   | 2-Nitroaniline             | 0.469 | 0.440 | 6.2  | 100   | 0.00     |
| 48   | Acenaphthylene             | 1.781 | 1.584 | 11.1 | 96    | 0.00     |
| 49   | Dimethylphthalate          | 1.586 | 1.431 | 9.8  | 98    | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 0.343 | 0.311 | 9.3  | 97    | 0.00     |
| 51 C | Acenaphthene               | 1.302 | 1.158 | 11.1 | 96    | 0.00     |
| 52   | 3-Nitroaniline             | 0.332 | 0.307 | 7.5  | 99    | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 0.209 | 0.196 | 6.2  | 103   | 0.00     |
| 54   | Dibenzofuran               | 1.907 | 1.691 | 11.3 | 97    | 0.00     |
| 55 P | 4-Nitrophenol              | 0.290 | 0.262 | 9.7  | 95    | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 0.475 | 0.441 | 7.2  | 96    | 0.00     |
| 57   | Fluorene                   | 1.535 | 1.337 | 12.9 | 96    | 0.00     |
| 58   | 2,3,4,6-Tetrachlorophenol  | 0.528 | 0.470 | 11.0 | 96    | 0.00     |
| 59   | Diethylphthalate           | 1.702 | 1.470 | 13.6 | 96    | 0.00     |
| 60   | 4-Chlorophenyl-phenylether | 0.912 | 0.796 | 12.7 | 96    | 0.00     |
| 61   | 4-Nitroaniline             | 0.344 | 0.305 | 11.3 | 96    | 0.00     |
| 62   | Azobenzene                 | 1.840 | 1.608 | 12.6 | 96    | 0.00     |
| 63 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0  | 96    | 0.00     |
| 64   | 4,6-Dinitro-2-methylphenol | 0.123 | 0.119 | 3.3  | 96    | 0.00     |
| 65 c | n-Nitrosodiphenylamine     | 0.579 | 0.524 | 9.5  | 95    | 0.00     |
| 66   | 4-Bromophenyl-phenylether  | 0.245 | 0.230 | 6.1  | 96    | 0.00     |
| 67   | Hexachlorobenzene          | 0.264 | 0.241 | 8.7  | 97    | 0.00     |
| 68   | Atrazine                   | 0.256 | 0.228 | 10.9 | 94    | 0.00     |
| 69 C | Pentachlorophenol          | 0.176 | 0.170 | 3.4  | 96    | 0.00     |
| 70   | Phenanthrene               | 0.998 | 0.902 | 9.6  | 93    | 0.00     |
| 71   | Anthracene                 | 1.017 | 0.929 | 8.7  | 95    | 0.00     |
| 72   | Carbazole                  | 0.881 | 0.797 | 9.5  | 94    | 0.00     |
| 73   | Di-n-butylphthalate        | 1.080 | 0.987 | 8.6  | 96    | 0.00     |
| 74 C | Fluoranthene               | 1.203 | 1.103 | 8.3  | 96    | 0.00     |
| 75 I | Chrysene-d12               | 1.000 | 1.000 | 0.0  | 97    | 0.00     |
| 76   | Benzidine                  | 0.390 | 0.389 | 0.3  | 115   | 0.00     |
| 77   | Pyrene                     | 1.116 | 1.035 | 7.3  | 95    | 0.00     |
| 78 S | Terphenyl-d14              | 0.745 | 0.680 | 8.7  | 96    | 0.00     |
| 79   | Butylbenzylphthalate       | 0.485 | 0.437 | 9.9  | 94    | 0.00     |
| 80   | Benzo(a)anthracene         | 1.126 | 1.037 | 7.9  | 98    | 0.00     |
| 81   | 3,3'-Dichlorobenzidine     | 0.462 | 0.412 | 10.8 | 97    | 0.00     |
| 82   | Chrysene                   | 1.055 | 0.969 | 8.2  | 96    | 0.00     |
| 83   | Bis(2-ethylhexyl)phthalate | 0.660 | 0.596 | 9.7  | 96    | 0.00     |
| 84 c | Di-n-octyl phthalate       | 1.052 | 0.982 | 6.7  | 97    | 0.00     |
| 85   | Indeno(1,2,3-cd)pyrene     | 1.235 | 1.202 | 2.7  | 101   | 0.01     |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0  | 96    | 0.01     |
| 87   | Benzo(b)fluoranthene       | 1.178 | 1.086 | 7.8  | 100   | 0.00     |

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|------|------------------------|-------|-------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 1.115 | 1.017 | 8.8  | 96    | 0.00     |
| 89 C | Benzo(a)pyrene         | 1.116 | 1.039 | 6.9  | 98    | 0.00     |
| 90   | Dibenzo(a,h)anthracene | 1.046 | 0.948 | 9.4  | 98    | 0.01     |
| 91   | Benzo(a,h,i)perylene   | 1.058 | 0.958 | 9.5  | 99    | 0.01     |

(#) = Out of Range

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