

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF071618\  
 Data File : BF107408.D  
 Acq On : 16 Jul 2018 17:06  
 Operator : JU/SJ  
 Sample : SSTDICV040  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 ICVBF071618

Quant Time: Jul 16 17:33:02 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071618.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jul 16 17:24:26 2018  
 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   | 96    | 0.00     |
| 2    | 1,4-Dioxane                 | 0.650 | 0.599 | 7.8   | 93    | -0.02    |
| 3    | Pyridine                    | 1.754 | 1.606 | 8.4   | 93    | -0.02    |
| 4    | n-Nitrosodimethylamine      | 0.720 | 0.717 | 0.4   | 98    | -0.02    |
| 5 S  | 2-Fluorophenol              | 1.317 | 1.254 | 4.8   | 97    | -0.02    |
| 6    | Aniline                     | 2.251 | 2.156 | 4.2   | 95    | 0.00     |
| 7 S  | Phenol-d6                   | 1.703 | 1.595 | 6.3   | 96    | -0.01    |
| 8    | 2-Chlorophenol              | 1.332 | 1.232 | 7.5   | 92    | 0.00     |
| 9    | Benzaldehyde                | 1.370 | 1.282 | 6.4   | 93    | -0.01    |
| 10 C | Phenol                      | 1.825 | 1.704 | 6.6   | 94    | -0.02    |
| 11   | bis(2-Chloroethyl)ether     | 1.490 | 1.402 | 5.9   | 97    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.617 | 1.570 | 2.9   | 102   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.603 | 1.483 | 7.5   | 92    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.500 | 1.417 | 5.5   | 98    | 0.00     |
| 15   | Benzyl Alcohol              | 1.710 | 1.671 | 2.3   | 97    | -0.01    |
| 16   | 2,2'-oxybis(1-Chloropropane | 1.590 | 1.551 | 2.5   | 95    | 0.00     |
| 17   | 2-Methylphenol              | 1.266 | 1.196 | 5.5   | 96    | -0.01    |
| 18   | Hexachloroethane            | 0.596 | 0.599 | -0.5  | 99    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 1.219 | 1.147 | 5.9   | 92    | 0.00     |
| 20   | 3+4-Methylphenols           | 1.608 | 1.555 | 3.3   | 97    | -0.01    |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0   | 99    | 0.00     |
| 22   | Acetophenone                | 0.550 | 0.518 | 5.8   | 97    | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.375 | 0.406 | -8.3  | 99    | -0.01    |
| 24   | Nitrobenzene                | 0.421 | 0.451 | -7.1  | 99    | 0.00     |
| 25   | Isophorone                  | 0.743 | 0.701 | 5.7   | 95    | 0.00     |
| 26 C | 2-Nitrophenol               | 0.143 | 0.158 | -10.5 | 102   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.299 | 0.291 | 2.7   | 99    | -0.01    |
| 28   | bis(2-Chloroethoxy)methane  | 0.466 | 0.450 | 3.4   | 98    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.311 | 0.308 | 1.0   | 99    | -0.01    |
| 30   | 1,2,4-Trichlorobenzene      | 0.377 | 0.351 | 6.9   | 95    | 0.00     |
| 31   | Naphthalene                 | 0.971 | 0.898 | 7.5   | 95    | 0.00     |
| 32   | Benzoic acid                | 0.183 | 0.205 | -12.0 | 112   | -0.02    |
| 33   | 4-Chloroaniline             | 0.421 | 0.402 | 4.5   | 95    | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.252 | 0.256 | -1.6  | 101   | 0.00     |
| 35   | Caprolactam                 | 0.101 | 0.094 | 6.9   | 89    | -0.02    |
| 36 C | 4-Chloro-3-methylphenol     | 0.406 | 0.397 | 2.2   | 97    | -0.01    |
| 37   | 2-Methylnaphthalene         | 0.640 | 0.623 | 2.7   | 98    | 0.00     |
| 38 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0   | 102   | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene  | 0.778 | 0.687 | 11.7  | 97    | 0.00     |
| 40 P | Hexachlorocyclopentadiene   | 0.406 | 0.401 | 1.2   | 100   | 0.00     |
| 41 S | 2,4,6-Tribromophenol        | 0.176 | 0.162 | 8.0   | 99    | -0.01    |
| 42 C | 2,4,6-Trichlorophenol       | 0.486 | 0.449 | 7.6   | 98    | -0.01    |
| 43   | 2,4,5-Trichlorophenol       | 0.465 | 0.449 | 3.4   | 98    | -0.02    |
| 44 S | 2-Fluorobiphenyl            | 1.392 | 1.184 | 14.9  | 98    | 0.00     |

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|      | Compound                   | AvgRF | CCRF  | %Dev  | Area% | Dev(min) |
|------|----------------------------|-------|-------|-------|-------|----------|
| 45   | 1,1'-Biphenyl              | 1.729 | 1.477 | 14.6  | 95    | 0.00     |
| 46   | 2-Chloronaphthalene        | 1.366 | 1.209 | 11.5  | 98    | 0.00     |
| 47   | 2-Nitroaniline             | 0.418 | 0.432 | -3.3  | 104   | -0.01    |
| 48   | Acenaphthylene             | 1.906 | 1.746 | 8.4   | 99    | 0.00     |
| 49   | Dimethylphthalate          | 1.589 | 1.445 | 9.1   | 99    | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 0.303 | 0.305 | -0.7  | 102   | -0.01    |
| 51 C | Acenaphthene               | 1.264 | 1.113 | 11.9  | 97    | 0.00     |
| 52   | 3-Nitroaniline             | 0.319 | 0.307 | 3.8   | 105   | -0.01    |
| 53 P | 2,4-Dinitrophenol          | 0.107 | 0.117 | -9.3  | 114   | -0.01    |
| 54   | Dibenzofuran               | 1.953 | 1.710 | 12.4  | 99    | 0.00     |
| 55 P | 4-Nitrophenol              | 0.258 | 0.258 | 0.0   | 104   | -0.02    |
| 56   | 2,4-Dinitrotoluene         | 0.395 | 0.411 | -4.1  | 106   | 0.00     |
| 57   | Fluorene                   | 1.293 | 1.136 | 12.1  | 99    | -0.01    |
| 58   | 2,3,4,6-Tetrachlorophenol  | 0.450 | 0.397 | 11.8  | 98    | -0.01    |
| 59   | Diethylphthalate           | 1.544 | 1.431 | 7.3   | 100   | 0.00     |
| 60   | 4-Chlorophenyl-phenylether | 0.770 | 0.724 | 6.0   | 102   | 0.00     |
| 61   | 4-Nitroaniline             | 0.303 | 0.300 | 1.0   | 102   | -0.01    |
| 62   | Azobenzene                 | 1.813 | 1.664 | 8.2   | 98    | 0.00     |
| 63 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0   | 105   | -0.01    |
| 64   | 4,6-Dinitro-2-methylphenol | 0.095 | 0.114 | -20.0 | 121   | -0.01    |
| 65 c | n-Nitrosodiphenylamine     | 0.632 | 0.591 | 6.5   | 101   | 0.00     |
| 66   | 4-Bromophenyl-phenylether  | 0.229 | 0.220 | 3.9   | 103   | 0.00     |
| 67   | Hexachlorobenzene          | 0.212 | 0.191 | 9.9   | 98    | -0.01    |
| 68   | Atrazine                   | 0.239 | 0.217 | 9.2   | 98    | 0.00     |
| 69 C | Pentachlorophenol          | 0.157 | 0.158 | -0.6  | 98    | -0.01    |
| 70   | Phenanthrene               | 0.997 | 0.891 | 10.6  | 97    | 0.00     |
| 71   | Anthracene                 | 0.993 | 0.894 | 10.0  | 98    | 0.00     |
| 72   | Carbazole                  | 0.940 | 0.847 | 9.9   | 98    | -0.01    |
| 73   | Di-n-butylphthalate        | 1.080 | 1.020 | 5.6   | 101   | 0.00     |
| 74 C | Fluoranthene               | 1.133 | 1.014 | 10.5  | 98    | -0.01    |
| 75 I | Chrysene-d12               | 1.000 | 1.000 | 0.0   | 101   | 0.00     |
| 76   | Benzidine                  | 0.776 | 0.728 | 6.2   | 96    | -0.01    |
| 77   | Pyrene                     | 1.360 | 1.293 | 4.9   | 98    | 0.00     |
| 78 S | Terphenyl-d14              | 0.805 | 0.733 | 8.9   | 103   | 0.00     |
| 79   | Butylbenzylphthalate       | 0.495 | 0.526 | -6.3  | 103   | 0.00     |
| 80   | Benzo(a)anthracene         | 1.224 | 1.126 | 8.0   | 97    | -0.01    |
| 81   | 3,3'-Dichlorobenzidine     | 0.410 | 0.401 | 2.2   | 102   | 0.00     |
| 82   | Chrysene                   | 1.169 | 1.065 | 8.9   | 95    | 0.00     |
| 83   | Bis(2-ethylhexyl)phthalate | 0.710 | 0.699 | 1.5   | 101   | 0.00     |
| 84 c | Di-n-octyl phthalate       | 1.104 | 1.093 | 1.0   | 101   | 0.00     |
| 85   | Indeno(1,2,3-cd)pyrene     | 0.832 | 0.691 | 16.9  | 96    | -0.01    |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0   | 99    | -0.01    |
| 87   | Benzo(b)fluoranthene       | 1.171 | 1.171 | 0.0   | 101   | 0.00     |

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|------|------------------------|-------|-------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 1.142 | 1.065 | 6.7  | 90    | 0.00     |
| 89 C | Benzo(a)pyrene         | 1.074 | 1.033 | 3.8  | 95    | 0.00     |
| 90   | Dibenzo(a,h)anthracene | 0.811 | 0.751 | 7.4  | 94    | -0.02    |
| 91   | Benzo(a,h,i)perylene   | 0.824 | 0.736 | 10.7 | 98    | -0.01    |

(#) = Out of Range

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