

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF091918\  
 Data File : BF109140.D  
 Acq On : 19 Sep 2018 13:39  
 Operator : JU/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Sep 19 14:26:22 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091418.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Sep 14 13:26:52 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  | 86    | 0.00     |
| 2    | 1,4-Dioxane                 | 0.573 | 0.535 | 6.6  | 80    | 0.00     |
| 3    | Pyridine                    | 1.520 | 1.499 | 1.4  | 82    | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.574 | 0.563 | 1.9  | 83    | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.204 | 1.201 | 0.2  | 87    | 0.00     |
| 6    | Aniline                     | 2.007 | 1.978 | 1.4  | 84    | 0.00     |
| 7 S  | Phenol-d6                   | 1.553 | 1.525 | 1.8  | 85    | 0.00     |
| 8    | 2-Chlorophenol              | 1.348 | 1.351 | -0.2 | 86    | 0.00     |
| 9    | Benzaldehyde                | 0.992 | 0.994 | -0.2 | 83    | 0.00     |
| 10 C | Phenol                      | 1.747 | 1.706 | 2.3  | 85    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.374 | 1.331 | 3.1  | 84    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.541 | 1.520 | 1.4  | 85    | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.546 | 1.539 | 0.5  | 85    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.433 | 1.423 | 0.7  | 87    | 0.00     |
| 15   | Benzyl Alcohol              | 1.179 | 1.193 | -1.2 | 86    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 1.969 | 1.881 | 4.5  | 82    | 0.00     |
| 17   | 2-Methylphenol              | 1.099 | 1.079 | 1.8  | 85    | 0.00     |
| 18   | Hexachloroethane            | 0.562 | 0.557 | 0.9  | 85    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 1.026 | 0.982 | 4.3  | 84    | 0.00     |
| 20   | 3+4-Methylphenols           | 1.324 | 1.287 | 2.8  | 85    | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0  | 84    | 0.00     |
| 22   | Acetophenone                | 0.454 | 0.444 | 2.2  | 85    | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.357 | 0.359 | -0.6 | 86    | 0.00     |
| 24   | Nitrobenzene                | 0.368 | 0.370 | -0.5 | 84    | 0.00     |
| 25   | Isophorone                  | 0.613 | 0.590 | 3.8  | 82    | 0.00     |
| 26 C | 2-Nitrophenol               | 0.172 | 0.179 | -4.1 | 86    | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.269 | 0.267 | 0.7  | 84    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.412 | 0.399 | 3.2  | 82    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.287 | 0.289 | -0.7 | 84    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.310 | 0.309 | 0.3  | 85    | 0.00     |
| 31   | Naphthalene                 | 0.928 | 0.921 | 0.8  | 85    | 0.00     |
| 32   | Benzoic acid                | 0.176 | 0.175 | 0.6  | 88    | -0.01    |
| 33   | 4-Chloroaniline             | 0.413 | 0.408 | 1.2  | 84    | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.189 | 0.193 | -2.1 | 86    | 0.00     |
| 35   | Caprolactam                 | 0.094 | 0.090 | 4.3  | 80    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.302 | 0.303 | -0.3 | 84    | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.605 | 0.591 | 2.3  | 84    | 0.00     |
| 38 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0  | 82    | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene  | 0.629 | 0.629 | 0.0  | 84    | 0.00     |
| 40 P | Hexachlorocyclopentadiene   | 0.317 | 0.297 | 6.3  | 73    | 0.00     |
| 41 S | 2,4,6-Tribromophenol        | 0.217 | 0.223 | -2.8 | 84    | 0.00     |
| 42 C | 2,4,6-Trichlorophenol       | 0.423 | 0.431 | -1.9 | 83    | 0.00     |
| 43   | 2,4,5-Trichlorophenol       | 0.442 | 0.451 | -2.0 | 85    | 0.00     |
| 44 S | 2-Fluorobiphenyl            | 1.277 | 1.312 | -2.7 | 86    | 0.00     |

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|      | Compound                   | AvgRF | CCRF  | %Dev   | Area% | Dev(min) |
|------|----------------------------|-------|-------|--------|-------|----------|
| 45   | 1,1'-Biphenyl              | 1.600 | 1.596 | 0.3    | 85    | 0.00     |
| 46   | 2-Chloronaphthalene        | 1.281 | 1.279 | 0.2    | 85    | 0.00     |
| 47   | 2-Nitroaniline             | 0.394 | 0.403 | -2.3   | 85    | 0.00     |
| 48   | Acenaphthylene             | 1.932 | 1.920 | 0.6    | 85    | 0.00     |
| 49   | Dimethylphthalate          | 1.429 | 1.419 | 0.7    | 83    | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 0.317 | 0.326 | -2.8   | 84    | 0.00     |
| 51 C | Acenaphthene               | 1.203 | 1.183 | 1.7    | 82    | 0.00     |
| 52   | 3-Nitroaniline             | 0.373 | 0.376 | -0.8   | 83    | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 0.122 | 0.104 | 14.8   | 69    | 0.00     |
| 54   | Dibenzofuran               | 1.739 | 1.728 | 0.6    | 84    | 0.00     |
| 55 P | 4-Nitrophenol              | 0.275 | 0.272 | 1.1    | 79    | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 0.415 | 0.427 | -2.9   | 84    | 0.00     |
| 57   | Fluorene                   | 1.159 | 1.206 | -4.1   | 86    | 0.00     |
| 58   | 2,3,4,6-Tetrachlorophenol  | 0.366 | 0.370 | -1.1   | 84    | 0.00     |
| 59   | Diethylphthalate           | 1.444 | 1.440 | 0.3    | 83    | 0.00     |
| 60   | 4-Chlorophenyl-phenylether | 0.620 | 0.639 | -3.1   | 84    | 0.00     |
| 61   | 4-Nitroaniline             | 0.355 | 0.361 | -1.7   | 83    | 0.00     |
| 62   | Azobenzene                 | 1.478 | 1.444 | 2.3    | 82    | 0.00     |
| 63 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0    | 82    | 0.00     |
| 64   | 4,6-Dinitro-2-methylphenol | 0.096 | 0.087 | 9.4    | 75    | 0.00     |
| 65 c | n-Nitrosodiphenylamine     | 0.654 | 0.653 | 0.2    | 84    | 0.00     |
| 66   | 4-Bromophenyl-phenylether  | 0.225 | 0.221 | 1.8    | 82    | 0.00     |
| 67   | Hexachlorobenzene          | 0.241 | 0.236 | 2.1    | 82    | 0.00     |
| 68   | Atrazine                   | 0.209 | 0.208 | 0.5    | 84    | 0.00     |
| 69 C | Pentachlorophenol          | 0.154 | 0.156 | -1.3   | 78    | 0.00     |
| 70   | Phenanthrene               | 0.980 | 0.971 | 0.9    | 85    | 0.00     |
| 71   | Anthracene                 | 0.994 | 0.979 | 1.5    | 85    | 0.00     |
| 72   | Carbazole                  | 0.984 | 0.959 | 2.5    | 83    | 0.00     |
| 73   | Di-n-butylphthalate        | 1.152 | 1.127 | 2.2    | 82    | 0.00     |
| 74 C | Fluoranthene               | 1.035 | 1.007 | 2.7    | 83    | 0.00     |
| 75 I | Chrysene-d12               | 1.000 | 1.000 | 0.0    | 86    | 0.00     |
| 76   | Benzidine                  | 0.708 | 0.929 | -31.2# | 113   | 0.00     |
| 77   | Pyrene                     | 1.486 | 1.475 | 0.7    | 83    | 0.00     |
| 78 S | Terphenyl-d14              | 0.844 | 0.829 | 1.8    | 83    | 0.00     |
| 79   | Butylbenzylphthalate       | 0.664 | 0.660 | 0.6    | 81    | 0.00     |
| 80   | Benzo(a)anthracene         | 1.211 | 1.173 | 3.1    | 82    | 0.00     |
| 81   | 3,3'-Dichlorobenzidine     | 0.489 | 0.468 | 4.3    | 78    | 0.00     |
| 82   | Chrysene                   | 1.211 | 1.177 | 2.8    | 82    | 0.00     |
| 83   | Bis(2-ethylhexyl)phthalate | 0.803 | 0.794 | 1.1    | 81    | 0.00     |
| 84 c | Di-n-octyl phthalate       | 1.363 | 1.329 | 2.5    | 81    | 0.00     |
| 85   | Indeno(1,2,3-cd)pyrene     | 0.969 | 0.870 | 10.2   | 84    | 0.00     |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0    | 81    | 0.00     |
| 87   | Benzo(b)fluoranthene       | 1.106 | 1.124 | -1.6   | 78    | 0.00     |

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|------|------------------------|-------|-------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 1.033 | 1.068 | -3.4 | 84    | 0.00     |
| 89 C | Benzo(a)pyrene         | 0.983 | 0.983 | 0.0  | 81    | 0.00     |
| 90   | Dibenzo(a,h)anthracene | 0.826 | 0.839 | -1.6 | 85    | 0.00     |
| 91   | Benzo(a,h,i)perylene   | 0.825 | 0.851 | -3.2 | 86    | 0.01     |

(#) = Out of Range

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