

Data Path : Z:\HPCHEM1\BNA F\Data\BF041918\  
 Data File : BF104632.D  
 Acq On : 19 Apr 2018 17:07  
 Operator : JU/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Apr 20 00:53:41 2018  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Apr 19 14:44:03 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    | 104   | 0.00     |
| 2    | 1,4-Dioxane                 | 0.609 | 0.612 | -0.5   | 103   | 0.00     |
| 3    | Pyridine                    | 1.714 | 1.683 | 1.8    | 102   | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.599 | 0.548 | 8.5    | 94    | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.308 | 1.242 | 5.0    | 100   | 0.00     |
| 6    | Aniline                     | 2.233 | 2.055 | 8.0    | 95    | 0.00     |
| 7 S  | Phenol-d6                   | 1.607 | 1.538 | 4.3    | 101   | 0.00     |
| 8    | 2-Chlorophenol              | 1.381 | 1.370 | 0.8    | 103   | 0.00     |
| 9    | Benzaldehyde                | 0.802 | 0.761 | 5.1    | 95    | 0.00     |
| 10 C | Phenol                      | 1.705 | 1.701 | 0.2    | 106   | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.361 | 1.312 | 3.6    | 100   | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.564 | 1.545 | 1.2    | 103   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.559 | 1.542 | 1.1    | 103   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.445 | 1.435 | 0.7    | 103   | 0.00     |
| 15   | Benzyl Alcohol              | 1.221 | 1.108 | 9.3    | 95    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 1.827 | 1.684 | 7.8    | 96    | 0.00     |
| 17   | 2-Methylphenol              | 1.200 | 1.193 | 0.6    | 103   | 0.00     |
| 18   | Hexachloroethane            | 0.556 | 0.566 | -1.8   | 106   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 1.050 | 0.904 | 13.9   | 94    | 0.00     |
| 20   | 3+4-Methylphenols           | 1.488 | 1.380 | 7.3    | 97    | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0    | 106   | 0.00     |
| 22   | Acetophenone                | 0.492 | 0.450 | 8.5    | 98    | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.306 | 0.336 | -9.8   | 114   | 0.00     |
| 24   | Nitrobenzene                | 0.338 | 0.357 | -5.6   | 108   | 0.00     |
| 25   | Isophorone                  | 0.648 | 0.606 | 6.5    | 100   | 0.00     |
| 26 C | 2-Nitrophenol               | 0.138 | 0.186 | -34.8# | 136   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.286 | 0.256 | 10.5   | 94    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.396 | 0.375 | 5.3    | 102   | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.273 | 0.267 | 2.2    | 103   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.299 | 0.293 | 2.0    | 105   | 0.00     |
| 31   | Naphthalene                 | 0.996 | 0.961 | 3.5    | 103   | 0.00     |
| 32   | Benzoic acid                | 0.228 | 0.216 | 5.3    | 94    | -0.02    |
| 33   | 4-Chloroaniline             | 0.427 | 0.411 | 3.7    | 103   | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.164 | 0.158 | 3.7    | 103   | 0.00     |
| 35   | Caprolactam                 | 0.095 | 0.093 | 2.1    | 102   | -0.01    |
| 36 C | 4-Chloro-3-methylphenol     | 0.292 | 0.287 | 1.7    | 104   | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.644 | 0.610 | 5.3    | 102   | 0.00     |
| 38 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0    | 103   | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene  | 0.573 | 0.586 | -2.3   | 107   | 0.00     |
| 40 P | Hexachlorocyclopentadiene   | 0.321 | 0.287 | 10.6   | 90    | 0.00     |
| 41 S | 2,4,6-Tribromophenol        | 0.207 | 0.212 | -2.4   | 105   | 0.00     |
| 42 C | 2,4,6-Trichlorophenol       | 0.397 | 0.410 | -3.3   | 104   | 0.00     |
| 43   | 2,4,5-Trichlorophenol       | 0.445 | 0.465 | -4.5   | 108   | 0.00     |
| 44 S | 2-Fluorobiphenyl            | 1.266 | 1.208 | 4.6    | 100   | 0.00     |

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|      | Compound                   | AvqRF | CCRF  | %Dev   | Area% | Dev(min) |
|------|----------------------------|-------|-------|--------|-------|----------|
| 45   | 1,1'-Biphenyl              | 1.680 | 1.642 | 2.3    | 102   | 0.00     |
| 46   | 2-Chloronaphthalene        | 1.327 | 1.328 | -0.1   | 104   | 0.00     |
| 47   | 2-Nitroaniline             | 0.328 | 0.409 | -24.7  | 120   | 0.00     |
| 48   | Acenaphthylene             | 2.082 | 2.009 | 3.5    | 100   | 0.00     |
| 49   | Dimethylphthalate          | 1.577 | 1.551 | 1.6    | 103   | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 0.292 | 0.347 | -18.8  | 114   | 0.00     |
| 51 C | Acenaphthene               | 1.270 | 1.160 | 8.7    | 95    | 0.00     |
| 52   | 3-Nitroaniline             | 0.342 | 0.407 | -19.0  | 114   | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 0.089 | 0.150 | -68.5# | 177#  | 0.00     |
| 54   | Dibenzofuran               | 1.770 | 1.671 | 5.6    | 98    | 0.00     |
| 55 P | 4-Nitrophenol              | 0.268 | 0.296 | -10.4  | 105   | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 0.383 | 0.434 | -13.3  | 112   | 0.00     |
| 57   | Fluorene                   | 1.289 | 1.299 | -0.8   | 104   | 0.00     |
| 58   | 2,3,4,6-Tetrachlorophenol  | 0.332 | 0.333 | -0.3   | 104   | 0.00     |
| 59   | Diethylphthalate           | 1.571 | 1.480 | 5.8    | 99    | 0.00     |
| 60   | 4-Chlorophenyl-phenylether | 0.574 | 0.587 | -2.3   | 105   | 0.00     |
| 61   | 4-Nitroaniline             | 0.334 | 0.413 | -23.7  | 116   | 0.00     |
| 62   | Azobenzene                 | 1.501 | 1.381 | 8.0    | 96    | 0.00     |
| 63 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0    | 102   | 0.00     |
| 64   | 4,6-Dinitro-2-methylphenol | 0.087 | 0.136 | -56.3# | 151#  | 0.00     |
| 65 c | n-Nitrosodiphenylamine     | 0.693 | 0.666 | 3.9    | 99    | 0.00     |
| 66   | 4-Bromophenyl-phenylether  | 0.213 | 0.211 | 0.9    | 103   | 0.00     |
| 67   | Hexachlorobenzene          | 0.239 | 0.241 | -0.8   | 104   | 0.00     |
| 68   | Atrazine                   | 0.209 | 0.207 | 1.0    | 103   | 0.00     |
| 69 C | Pentachlorophenol          | 0.148 | 0.139 | 6.1    | 91    | 0.00     |
| 70   | Phenanthrene               | 1.114 | 1.050 | 5.7    | 98    | 0.00     |
| 71   | Anthracene                 | 1.132 | 1.082 | 4.4    | 100   | 0.00     |
| 72   | Carbazole                  | 1.106 | 1.058 | 4.3    | 100   | 0.00     |
| 73   | Di-n-butylphthalate        | 1.351 | 1.241 | 8.1    | 95    | 0.00     |
| 74 C | Fluoranthene               | 1.164 | 1.082 | 7.0    | 96    | 0.00     |
| 75 I | Chrysene-d12               | 1.000 | 1.000 | 0.0    | 98    | 0.00     |
| 76   | Benzidine                  | 0.692 | 0.648 | 6.4    | 92    | 0.00     |
| 77   | Pyrene                     | 1.482 | 1.455 | 1.8    | 97    | 0.00     |
| 78 S | Terphenyl-d14              | 0.877 | 0.832 | 5.1    | 97    | 0.00     |
| 79   | Butylbenzylphthalate       | 0.698 | 0.691 | 1.0    | 97    | 0.00     |
| 80   | Benzo(a)anthracene         | 1.195 | 1.238 | -3.6   | 104   | 0.00     |
| 81   | 3,3'-Dichlorobenzidine     | 0.445 | 0.444 | 0.2    | 95    | 0.00     |
| 82   | Chrysene                   | 1.227 | 1.200 | 2.2    | 96    | 0.00     |
| 83   | Bis(2-ethylhexyl)phthalate | 0.898 | 0.926 | -3.1   | 103   | 0.00     |
| 84 c | Di-n-octyl phthalate       | 1.501 | 1.459 | 2.8    | 93    | 0.00     |
| 85   | Indeno(1,2,3-cd)pyrene     | 1.043 | 0.971 | 6.9    | 95    | -0.02    |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0    | 91    | 0.00     |
| 87   | Benzo(b)fluoranthene       | 1.263 | 1.316 | -4.2   | 95    | -0.01    |

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|------|------------------------|-------|-------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 1.193 | 1.152 | 3.4  | 89    | 0.00     |
| 89 C | Benzo(a)pyrene         | 1.130 | 1.138 | -0.7 | 92    | -0.01    |
| 90   | Dibenzo(a,h)anthracene | 0.928 | 0.931 | -0.3 | 95    | -0.02    |
| 91   | Benzo(a,h,i)perylene   | 0.899 | 0.891 | 0.9  | 96    | -0.02    |

(#) = Out of Range

SPCC's out = 0 CCC's out = 1