

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF062717\  
 Data File : BF096215.D  
 Acq On : 27 Jun 2017 13:39  
 Operator : SJ/MA  
 Sample : SSTDICV040  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 ICVBF062717

Quant Time: Jun 28 15:46:14 2017  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF062717.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jun 28 15:41:49 2017  
 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                     | Amount | Calc.  | %Dev  | Area% | Dev(min) |
|------|------------------------------|--------|--------|-------|-------|----------|
| 1 I  | 1,4-Dichlorobenzene-d4       | 20.000 | 20.000 | 0.0   | 100   | 0.00     |
| 2    | 1,4-Dioxane                  | 40.000 | 41.041 | -2.6  | 103   | 0.00     |
| 3    | Pyridine                     | 40.000 | 42.262 | -5.7  | 104   | -0.02    |
| 4    | n-Nitrosodimethylamine       | 40.000 | 41.425 | -3.6  | 102   | 0.02     |
| 5 S  | 2-Fluorophenol               | 80.000 | 79.385 | 0.8   | 100   | 0.01     |
| 6    | Aniline                      | 40.000 | 40.126 | -0.3  | 100   | 0.01     |
| 7 S  | Phenol-d6                    | 80.000 | 80.220 | -0.3  | 102   | 0.02     |
| 8    | 2-Chlorophenol               | 40.000 | 40.616 | -1.5  | 101   | 0.01     |
| 9    | Benzaldehyde                 | 40.000 | 42.369 | -5.9  | 102   | 0.00     |
| 10 C | Phenol                       | 40.000 | 41.357 | -3.4  | 102   | 0.02     |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 39.760 | 0.6   | 100   | 0.01     |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 39.777 | 0.6   | 101   | 0.00     |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 39.910 | 0.2   | 101   | 0.00     |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 39.551 | 1.1   | 100   | 0.01     |
| 15   | Benzyl Alcohol               | 40.000 | 41.491 | -3.7  | 102   | 0.01     |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 40.121 | -0.3  | 100   | 0.00     |
| 17   | 2-Methylphenol               | 40.000 | 40.333 | -0.8  | 102   | 0.01     |
| 18   | Hexachloroethane             | 40.000 | 41.274 | -3.2  | 102   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 40.146 | -0.4  | 100   | 0.02     |
| 20   | 3+4-Methylphenols            | 40.000 | 39.372 | 1.6   | 101   | 0.01     |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0   | 99    | 0.00     |
| 22   | Acetophenone                 | 40.000 | 39.511 | 1.2   | 99    | -0.01    |
| 23 S | Nitrobenzene-d5              | 80.000 | 88.171 | -10.2 | 105   | -0.01    |
| 24   | Nitrobenzene                 | 40.000 | 44.830 | -12.1 | 103   | 0.02     |
| 25   | Isophorone                   | 40.000 | 39.863 | 0.3   | 100   | 0.01     |
| 26 C | 2-Nitrophenol                | 40.000 | 44.230 | -10.6 | 113   | -0.01    |
| 27   | 2,4-Dimethylphenol           | 40.000 | 39.855 | 0.4   | 100   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 39.427 | 1.4   | 100   | 0.01     |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 41.127 | -2.8  | 100   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 39.608 | 1.0   | 100   | 0.00     |
| 31   | Naphthalene                  | 40.000 | 38.927 | 2.7   | 99    | 0.00     |
| 32   | Benzoic acid                 | 40.000 | 43.801 | -9.5  | 115   | -0.05    |
| 33   | 4-Chloroaniline              | 40.000 | 39.714 | 0.7   | 99    | 0.00     |
| 34 C | Hexachlorobutadiene          | 40.000 | 40.436 | -1.1  | 101   | 0.00     |
| 35   | Caprolactam                  | 40.000 | 41.723 | -4.3  | 100   | 0.07     |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 40.707 | -1.8  | 100   | 0.01     |
| 37   | 2-Methylnaphthalene          | 40.000 | 38.898 | 2.8   | 99    | 0.00     |
| 38 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0   | 97    | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 39.121 | 2.2   | 99    | 0.00     |
| 40 P | Hexachlorocyclopentadiene    | 40.000 | 41.548 | -3.9  | 95    | 0.00     |
| 41 S | 2,4,6-Tribromophenol         | 80.000 | 83.316 | -4.1  | 100   | 0.00     |
| 42 C | 2,4,6-Trichlorophenol        | 40.000 | 41.089 | -2.7  | 99    | 0.00     |
| 43   | 2,4,5-Trichlorophenol        | 40.000 | 42.384 | -6.0  | 99    | 0.01     |
| 44 S | 2-Fluorobiphenyl             | 80.000 | 85.382 | -6.7  | 99    | -0.01    |

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 Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound                   | Amount | Calc.  | %Dev  | Area% | Dev(min) |
|------|----------------------------|--------|--------|-------|-------|----------|
| 45   | 1,1'-Biphenyl              | 40.000 | 40.347 | -0.9  | 98    | 0.00     |
| 46   | 2-Chloronaphthalene        | 40.000 | 38.736 | 3.2   | 98    | 0.00     |
| 47   | 2-Nitroaniline             | 40.000 | 45.963 | -14.9 | 109   | -0.01    |
| 48   | Acenaphthylene             | 40.000 | 39.139 | 2.2   | 99    | 0.00     |
| 49   | Dimethylphthalate          | 40.000 | 38.943 | 2.6   | 97    | 0.01     |
| 50   | 2,6-Dinitrotoluene         | 40.000 | 44.015 | -10.0 | 105   | -0.01    |
| 51 C | Acenaphthene               | 40.000 | 38.809 | 3.0   | 99    | 0.01     |
| 52   | 3-Nitroaniline             | 40.000 | 42.925 | -7.3  | 104   | -0.01    |
| 53 P | 2,4-Dinitrophenol          | 40.000 | 46.454 | -16.1 | 123   | -0.01    |
| 54   | Dibenzofuran               | 40.000 | 40.049 | -0.1  | 98    | 0.00     |
| 55 P | 4-Nitrophenol              | 40.000 | 44.311 | -10.8 | 104   | -0.02    |
| 56   | 2,4-Dinitrotoluene         | 40.000 | 44.482 | -11.2 | 102   | -0.02    |
| 57   | Fluorene                   | 40.000 | 42.329 | -5.8  | 99    | 0.00     |
| 58   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 40.535 | -1.3  | 96    | 0.00     |
| 59   | Diethylphthalate           | 40.000 | 38.967 | 2.6   | 96    | 0.01     |
| 60   | 4-Chlorophenyl-phenylether | 40.000 | 39.984 | 0.0   | 97    | 0.00     |
| 61   | 4-Nitroaniline             | 40.000 | 42.385 | -6.0  | 103   | -0.02    |
| 62   | Azobenzene                 | 40.000 | 38.963 | 2.6   | 97    | 0.01     |
| 63 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 97    | 0.00     |
| 64   | 4,6-Dinitro-2-methylphenol | 40.000 | 44.232 | -10.6 | 116   | -0.01    |
| 65 c | n-Nitrosodiphenylamine     | 40.000 | 39.111 | 2.2   | 97    | 0.00     |
| 66   | 4-Bromophenyl-phenylether  | 40.000 | 39.396 | 1.5   | 96    | 0.00     |
| 67   | Hexachlorobenzene          | 40.000 | 39.778 | 0.6   | 97    | 0.00     |
| 68   | Atrazine                   | 40.000 | 40.198 | -0.5  | 98    | 0.01     |
| 69 C | Pentachlorophenol          | 40.000 | 45.122 | -12.8 | 100   | 0.00     |
| 70   | Phenanthrene               | 40.000 | 43.172 | -7.9  | 98    | -0.01    |
| 71   | Anthracene                 | 40.000 | 40.522 | -1.3  | 98    | -0.01    |
| 72   | Carbazole                  | 40.000 | 38.530 | 3.7   | 97    | 0.01     |
| 73   | Di-n-butylphthalate        | 40.000 | 40.426 | -1.1  | 97    | 0.00     |
| 74 C | Fluoranthene               | 40.000 | 39.042 | 2.4   | 98    | 0.00     |
| 75 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 99    | 0.01     |
| 76   | Benzidine                  | 40.000 | 37.252 | 6.9   | 86    | 0.00     |
| 77   | Pyrene                     | 40.000 | 39.437 | 1.4   | 97    | 0.00     |
| 78 S | Terphenyl-d14              | 80.000 | 77.395 | 3.3   | 98    | 0.00     |
| 79   | Butylbenzylphthalate       | 40.000 | 41.681 | -4.2  | 97    | 0.00     |
| 80   | Benzo(a)anthracene         | 40.000 | 39.086 | 2.3   | 95    | 0.00     |
| 81   | 3,3'-Dichlorobenzidine     | 40.000 | 42.190 | -5.5  | 96    | 0.00     |
| 82   | Chrysene                   | 40.000 | 39.910 | 0.2   | 97    | 0.01     |
| 83   | Bis(2-ethylhexyl)phthalate | 40.000 | 42.921 | -7.3  | 97    | 0.00     |
| 84 c | Di-n-octyl phthalate       | 40.000 | 42.656 | -6.6  | 100   | 0.00     |
| 85   | Indeno(1,2,3-cd)pyrene     | 40.000 | 39.869 | 0.3   | 98    | 0.02     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 96    | 0.00     |
| 87   | Benzo(b)fluoranthene       | 40.000 | 39.064 | 2.3   | 99    | -0.02    |

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|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 40.000 | 40.653 | -1.6 | 95    | 0.01     |
| 89 C | Benzo(a)pyrene         | 40.000 | 40.275 | -0.7 | 96    | 0.01     |
| 90   | Dibenzo(a,h)anthracene | 40.000 | 40.664 | -1.7 | 100   | 0.01     |
| 91   | Benzo(g,h,i)perylene   | 40.000 | 39.099 | 2.3  | 98    | 0.02     |

(#) = Out of Range

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