

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF080818\  
 Data File : BF108013.D  
 Acq On : 8 Aug 2018 12:19  
 Operator : JU/SJ  
 Sample : SSTDICV040  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 ICVBF080818

Quant Time: Aug 08 12:41:28 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 08 12:24:24 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                     | Amount | Calc.  | %Dev | Area% | Dev(min) |
|------|------------------------------|--------|--------|------|-------|----------|
| 1 I  | 1,4-Dichlorobenzene-d4       | 20.000 | 20.000 | 0.0  | 99    | 0.00     |
| 2    | 1,4-Dioxane                  | 40.000 | 39.439 | 1.4  | 98    | 0.01     |
| 3    | Pyridine                     | 40.000 | 40.413 | -1.0 | 99    | 0.00     |
| 4    | n-Nitrosodimethylamine       | 40.000 | 40.620 | -1.5 | 99    | 0.00     |
| 5 S  | 2-Fluorophenol               | 80.000 | 79.991 | 0.0  | 99    | 0.00     |
| 6    | Aniline                      | 40.000 | 39.676 | 0.8  | 100   | 0.00     |
| 7 S  | Phenol-d6                    | 80.000 | 80.579 | -0.7 | 101   | 0.00     |
| 8    | 2-Chlorophenol               | 40.000 | 39.992 | 0.0  | 98    | 0.00     |
| 9    | Benzaldehyde                 | 40.000 | 40.089 | -0.2 | 99    | 0.00     |
| 10 C | Phenol                       | 40.000 | 40.024 | -0.1 | 101   | 0.00     |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 40.194 | -0.5 | 99    | 0.00     |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 40.161 | -0.4 | 100   | 0.00     |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 40.154 | -0.4 | 99    | 0.00     |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 40.110 | -0.3 | 100   | 0.00     |
| 15   | Benzyl Alcohol               | 40.000 | 41.815 | -4.5 | 101   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 39.927 | 0.2  | 98    | 0.00     |
| 17   | 2-Methylphenol               | 40.000 | 40.817 | -2.0 | 99    | 0.00     |
| 18   | Hexachloroethane             | 40.000 | 40.777 | -1.9 | 99    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 40.830 | -2.1 | 101   | 0.00     |
| 20   | 3+4-Methylphenols            | 40.000 | 40.951 | -2.4 | 101   | 0.00     |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0  | 101   | 0.00     |
| 22   | Acetophenone                 | 40.000 | 40.390 | -1.0 | 101   | 0.00     |
| 23 S | Nitrobenzene-d5              | 80.000 | 81.936 | -2.4 | 101   | 0.00     |
| 24   | Nitrobenzene                 | 40.000 | 41.162 | -2.9 | 101   | 0.00     |
| 25   | Isophorone                   | 40.000 | 40.146 | -0.4 | 101   | 0.00     |
| 26 C | 2-Nitrophenol                | 40.000 | 42.815 | -7.0 | 105   | 0.00     |
| 27   | 2,4-Dimethylphenol           | 40.000 | 40.598 | -1.5 | 101   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 39.973 | 0.1  | 100   | 0.00     |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 41.374 | -3.4 | 101   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 39.942 | 0.1  | 101   | 0.00     |
| 31   | Naphthalene                  | 40.000 | 40.115 | -0.3 | 101   | 0.00     |
| 32   | Benzoic acid                 | 40.000 | 41.483 | -3.7 | 108   | 0.00     |
| 33   | 4-Chloroaniline              | 40.000 | 39.984 | 0.0  | 99    | 0.00     |
| 34 C | Hexachlorobutadiene          | 40.000 | 40.067 | -0.2 | 100   | 0.00     |
| 35   | Caprolactam                  | 40.000 | 43.043 | -7.6 | 103   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 41.404 | -3.5 | 102   | 0.00     |
| 37   | 2-Methylnaphthalene          | 40.000 | 40.441 | -1.1 | 102   | 0.00     |
| 38 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0  | 102   | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 39.686 | 0.8  | 101   | 0.00     |
| 40 P | Hexachlorocyclopentadiene    | 40.000 | 41.719 | -4.3 | 100   | 0.00     |
| 41 S | 2,4,6-Tribromophenol         | 80.000 | 85.068 | -6.3 | 103   | 0.00     |
| 42 C | 2,4,6-Trichlorophenol        | 40.000 | 41.798 | -4.5 | 102   | 0.00     |
| 43   | 2,4,5-Trichlorophenol        | 40.000 | 42.506 | -6.3 | 103   | 0.00     |
| 44 S | 2-Fluorobiphenyl             | 80.000 | 77.473 | 3.2  | 102   | 0.00     |

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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 | 39.292 | 1.8  | 101   | 0.00     |
| 46   | 2-Chloronaphthalene        | 40.000 | 39.989 | 0.0  | 103   | 0.00     |
| 47   | 2-Nitroaniline             | 40.000 | 43.014 | -7.5 | 104   | 0.00     |
| 48   | Acenaphthylene             | 40.000 | 39.519 | 1.2  | 102   | 0.00     |
| 49   | Dimethylphthalate          | 40.000 | 39.944 | 0.1  | 103   | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 40.000 | 42.611 | -6.5 | 104   | 0.00     |
| 51 C | Acenaphthene               | 40.000 | 40.155 | -0.4 | 103   | 0.00     |
| 52   | 3-Nitroaniline             | 40.000 | 42.031 | -5.1 | 103   | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 40.000 | 40.779 | -1.9 | 109   | 0.00     |
| 54   | Dibenzofuran               | 40.000 | 39.281 | 1.8  | 101   | 0.00     |
| 55 P | 4-Nitrophenol              | 40.000 | 41.602 | -4.0 | 103   | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 40.000 | 43.582 | -9.0 | 104   | 0.00     |
| 57   | Fluorene                   | 40.000 | 39.376 | 1.6  | 102   | 0.00     |
| 58   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 43.457 | -8.6 | 104   | 0.00     |
| 59   | Diethylphthalate           | 40.000 | 39.985 | 0.0  | 102   | 0.00     |
| 60   | 4-Chlorophenyl-phenylether | 40.000 | 39.343 | 1.6  | 100   | 0.00     |
| 61   | 4-Nitroaniline             | 40.000 | 42.348 | -5.9 | 103   | 0.00     |
| 62   | Azobenzene                 | 40.000 | 39.860 | 0.4  | 101   | 0.00     |
| 63 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0  | 101   | 0.00     |
| 64   | 4,6-Dinitro-2-methylphenol | 40.000 | 41.106 | -2.8 | 106   | 0.00     |
| 65 c | n-Nitrosodiphenylamine     | 40.000 | 40.390 | -1.0 | 102   | 0.00     |
| 66   | 4-Bromophenyl-phenylether  | 40.000 | 40.770 | -1.9 | 103   | 0.00     |
| 67   | Hexachlorobenzene          | 40.000 | 40.641 | -1.6 | 103   | 0.00     |
| 68   | Atrazine                   | 40.000 | 39.567 | 1.1  | 99    | 0.00     |
| 69 C | Pentachlorophenol          | 40.000 | 42.906 | -7.3 | 105   | 0.00     |
| 70   | Phenanthrene               | 40.000 | 39.630 | 0.9  | 103   | 0.00     |
| 71   | Anthracene                 | 40.000 | 39.672 | 0.8  | 102   | 0.00     |
| 72   | Carbazole                  | 40.000 | 39.739 | 0.7  | 102   | 0.00     |
| 73   | Di-n-butylphthalate        | 40.000 | 40.240 | -0.6 | 101   | 0.00     |
| 74 C | Fluoranthene               | 40.000 | 39.705 | 0.7  | 102   | 0.00     |
| 75 I | Chrysene-d12               | 20.000 | 20.000 | 0.0  | 101   | 0.00     |
| 76   | Benzidine                  | 40.000 | 41.930 | -4.8 | 100   | 0.00     |
| 77   | Pyrene                     | 40.000 | 39.944 | 0.1  | 101   | 0.00     |
| 78 S | Terphenyl-d14              | 80.000 | 77.482 | 3.1  | 100   | 0.00     |
| 79   | Butylbenzylphthalate       | 40.000 | 42.656 | -6.6 | 100   | 0.00     |
| 80   | Benzo(a)anthracene         | 40.000 | 40.041 | -0.1 | 100   | 0.00     |
| 81   | 3,3'-Dichlorobenzidine     | 40.000 | 42.681 | -6.7 | 101   | 0.00     |
| 82   | Chrysene                   | 40.000 | 40.089 | -0.2 | 101   | 0.00     |
| 83   | Bis(2-ethylhexyl)phthalate | 40.000 | 42.144 | -5.4 | 101   | 0.00     |
| 84 c | Di-n-octyl phthalate       | 40.000 | 43.790 | -9.5 | 103   | 0.00     |
| 85   | Indeno(1,2,3-cd)pyrene     | 40.000 | 40.140 | -0.4 | 103   | 0.00     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0  | 102   | 0.00     |
| 87   | Benzo(b)fluoranthene       | 40.000 | 40.090 | -0.2 | 98    | 0.00     |

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|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 40.000 | 40.603 | -1.5 | 107   | 0.00     |
| 89 C | Benzo(a)pyrene         | 40.000 | 40.099 | -0.2 | 101   | 0.00     |
| 90   | Dibenzo(a,h)anthracene | 40.000 | 40.566 | -1.4 | 103   | 0.00     |
| 91   | Benzo(a,h,i)perylene   | 40.000 | 39.827 | 0.4  | 103   | 0.00     |

(#) = Out of Range

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