

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG123019\  
 Data File : BG043866.D  
 Acq On : 30 Dec 2019 17:14  
 Operator : JU  
 Sample : SSTDICV040  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 ICVBG123019

Quant Time: Dec 31 13:41:41 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG123019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Dec 31 13:32:23 2019  
 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  | 106   | 0.00     |
| 2    | 1,4-Dioxane                  | 40.000 | 39.727 | 0.7  | 105   | 0.00     |
| 3    | Pyridine                     | 40.000 | 42.181 | -5.5 | 110   | 0.00     |
| 4    | n-Nitrosodimethylamine       | 40.000 | 40.034 | -0.1 | 107   | 0.00     |
| 5 S  | 2-Fluorophenol               | 80.000 | 81.507 | -1.9 | 105   | 0.00     |
| 6    | Aniline                      | 40.000 | 41.242 | -3.1 | 109   | 0.00     |
| 7 S  | Phenol-d6                    | 80.000 | 83.094 | -3.9 | 108   | 0.00     |
| 8    | 2-Chlorophenol               | 40.000 | 40.245 | -0.6 | 106   | 0.00     |
| 9    | Benzaldehyde                 | 40.000 | 38.930 | 2.7  | 109   | 0.00     |
| 10 C | Phenol                       | 40.000 | 41.309 | -3.3 | 109   | 0.00     |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 40.265 | -0.7 | 106   | 0.00     |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 40.172 | -0.4 | 106   | 0.00     |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 40.351 | -0.9 | 106   | 0.00     |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 40.835 | -2.1 | 108   | 0.00     |
| 15   | Benzyl Alcohol               | 40.000 | 40.972 | -2.4 | 108   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 40.799 | -2.0 | 110   | 0.00     |
| 17   | 2-Methylphenol               | 40.000 | 40.984 | -2.5 | 109   | 0.00     |
| 18   | Hexachloroethane             | 40.000 | 40.246 | -0.6 | 107   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 40.912 | -2.3 | 109   | 0.00     |
| 20   | 3+4-Methylphenols            | 40.000 | 41.647 | -4.1 | 110   | 0.00     |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0  | 109   | 0.00     |
| 22   | Acetophenone                 | 40.000 | 39.564 | 1.1  | 108   | 0.00     |
| 23 S | Nitrobenzene-d5              | 80.000 | 77.081 | 3.6  | 109   | 0.00     |
| 24   | Nitrobenzene                 | 40.000 | 39.008 | 2.5  | 108   | 0.00     |
| 25   | Isophorone                   | 40.000 | 40.255 | -0.6 | 110   | 0.00     |
| 26 C | 2-Nitrophenol                | 40.000 | 40.436 | -1.1 | 114   | 0.00     |
| 27   | 2,4-Dimethylphenol           | 40.000 | 39.451 | 1.4  | 110   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 39.996 | 0.0  | 109   | 0.00     |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 39.740 | 0.6  | 109   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 39.534 | 1.2  | 109   | 0.00     |
| 31   | Naphthalene                  | 40.000 | 40.050 | -0.1 | 108   | 0.00     |
| 32   | Benzoic acid                 | 40.000 | 40.112 | -0.3 | 131   | 0.01     |
| 33   | 4-Chloroaniline              | 40.000 | 39.910 | 0.2  | 108   | 0.00     |
| 34 C | Hexachlorobutadiene          | 40.000 | 39.461 | 1.3  | 110   | 0.00     |
| 35   | Caprolactam                  | 40.000 | 40.405 | -1.0 | 111   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 40.376 | -0.9 | 111   | 0.00     |
| 37   | 2-Methylnaphthalene          | 40.000 | 40.253 | -0.6 | 110   | 0.00     |
| 38   | 1-Methylnaphthalene          | 40.000 | 40.301 | -0.8 | 110   | 0.00     |
| 39 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0  | 111   | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 39.428 | 1.4  | 110   | 0.00     |
| 41 P | Hexachlorocyclopentadiene    | 40.000 | 36.892 | 7.8  | 103   | 0.00     |
| 42 S | 2,4,6-Tribromophenol         | 80.000 | 79.436 | 0.7  | 108   | 0.00     |
| 43 C | 2,4,6-Trichlorophenol        | 40.000 | 39.940 | 0.2  | 111   | 0.00     |
| 44   | 2,4,5-Trichlorophenol        | 40.000 | 40.342 | -0.9 | 112   | 0.00     |

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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) |
|------|----------------------------|--------|--------|------|-------|----------|
| 45 S | 2-Fluorobiphenyl           | 80.000 | 82.197 | -2.7 | 108   | 0.00     |
| 46   | 1,1'-Biphenyl              | 40.000 | 40.505 | -1.3 | 109   | 0.00     |
| 47   | 2-Chloronaphthalene        | 40.000 | 39.805 | 0.5  | 109   | 0.00     |
| 48   | 2-Nitroaniline             | 40.000 | 39.652 | 0.9  | 110   | 0.00     |
| 49   | Acenaphthylene             | 40.000 | 40.731 | -1.8 | 110   | 0.00     |
| 50   | Dimethylphthalate          | 40.000 | 40.233 | -0.6 | 109   | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 39.920 | 0.2  | 112   | 0.00     |
| 52 C | Acenaphthene               | 40.000 | 39.982 | 0.0  | 111   | 0.00     |
| 53   | 3-Nitroaniline             | 40.000 | 39.329 | 1.7  | 108   | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 40.019 | -0.0 | 117   | 0.00     |
| 55   | Dibenzofuran               | 40.000 | 40.196 | -0.5 | 108   | 0.00     |
| 56 P | 4-Nitrophenol              | 40.000 | 39.204 | 2.0  | 105   | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 40.720 | -1.8 | 111   | 0.00     |
| 58   | Fluorene                   | 40.000 | 39.985 | 0.0  | 108   | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 40.334 | -0.8 | 110   | 0.00     |
| 60   | Diethylphthalate           | 40.000 | 39.649 | 0.9  | 107   | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 39.956 | 0.1  | 111   | 0.00     |
| 62   | 4-Nitroaniline             | 40.000 | 38.541 | 3.6  | 105   | 0.00     |
| 63   | Azobenzene                 | 40.000 | 40.224 | -0.6 | 109   | 0.00     |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0  | 106   | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 40.147 | -0.4 | 113   | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 40.743 | -1.9 | 109   | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 40.173 | -0.4 | 110   | 0.00     |
| 68   | Hexachlorobenzene          | 40.000 | 40.124 | -0.3 | 109   | 0.00     |
| 69   | Atrazine                   | 40.000 | 40.751 | -1.9 | 103   | 0.00     |
| 70 C | Pentachlorophenol          | 40.000 | 41.283 | -3.2 | 106   | 0.00     |
| 71   | Phenanthrene               | 40.000 | 40.742 | -1.9 | 105   | 0.00     |
| 72   | Anthracene                 | 40.000 | 40.706 | -1.8 | 105   | 0.00     |
| 73   | Carbazole                  | 40.000 | 39.839 | 0.4  | 102   | 0.00     |
| 74   | Di-n-butylphthalate        | 40.000 | 38.664 | 3.3  | 101   | 0.00     |
| 75 C | Fluoranthene               | 40.000 | 38.370 | 4.1  | 102   | 0.00     |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0  | 101   | 0.00     |
| 77   | Benzidine                  | 40.000 | 36.184 | 9.5  | 82    | 0.00     |
| 78   | Pyrene                     | 40.000 | 39.695 | 0.8  | 102   | 0.00     |
| 79 S | Terphenyl-d14              | 80.000 | 78.875 | 1.4  | 100   | 0.00     |
| 80   | Butylbenzylphthalate       | 40.000 | 41.094 | -2.7 | 103   | 0.00     |
| 81   | Benzo(a)anthracene         | 40.000 | 40.642 | -1.6 | 101   | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 39.259 | 1.9  | 97    | 0.00     |
| 83   | Chrysene                   | 40.000 | 40.936 | -2.3 | 102   | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 41.317 | -3.3 | 103   | 0.00     |
| 85 c | Di-n-octyl phthalate       | 40.000 | 41.468 | -3.7 | 102   | 0.00     |
| 86   | Indeno(1,2,3-cd)pyrene     | 40.000 | 39.502 | 1.2  | 101   | 0.00     |
| 87 I | Perylene-d12               | 20.000 | 20.000 | 0.0  | 101   | 0.00     |

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|      | Compound               | Amount | Calc.  | %Dev | Area% | Dev(min) |
|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(b)fluoranthene   | 40.000 | 39.786 | 0.5  | 102   | 0.00     |
| 89   | Benzo(k)fluoranthene   | 40.000 | 41.146 | -2.9 | 102   | 0.00     |
| 90 C | Benzo(a)pyrene         | 40.000 | 40.236 | -0.6 | 101   | 0.00     |
| 91   | Dibenzo(a,h)anthracene | 40.000 | 39.983 | 0.0  | 102   | 0.01     |
| 92   | Benzo(q,h,i)perylene   | 40.000 | 39.895 | 0.3  | 102   | 0.01     |

(#) = Out of Range

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