

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG121918\  
 Data File : BG038728.D  
 Acq On : 19 Dec 2018 15:46  
 Operator : JU/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Dec 20 00:15:38 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG121218.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 12 15:26:27 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  | 94    | 0.00     |
| 2    | 1,4-Dioxane                  | 40.000 | 34.014 | 15.0 | 79    | 0.00     |
| 3    | Pyridine                     | 40.000 | 35.816 | 10.5 | 71    | 0.00     |
| 4    | n-Nitrosodimethylamine       | 40.000 | 34.792 | 13.0 | 75    | 0.00     |
| 5 S  | 2-Fluorophenol               | 80.000 | 78.940 | 1.3  | 93    | 0.00     |
| 6    | Aniline                      | 40.000 | 38.848 | 2.9  | 91    | 0.00     |
| 7 S  | Phenol-d6                    | 80.000 | 82.196 | -2.7 | 97    | 0.00     |
| 8    | 2-Chlorophenol               | 40.000 | 39.508 | 1.2  | 93    | 0.00     |
| 9    | Benzaldehyde                 | 40.000 | 36.845 | 7.9  | 94    | 0.00     |
| 10 C | Phenol                       | 40.000 | 40.492 | -1.2 | 96    | 0.00     |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 36.931 | 7.7  | 89    | 0.00     |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 38.766 | 3.1  | 93    | 0.00     |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 38.825 | 2.9  | 93    | 0.00     |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 39.889 | 0.3  | 97    | 0.00     |
| 15   | Benzyl Alcohol               | 40.000 | 40.800 | -2.0 | 92    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 34.240 | 14.4 | 82    | 0.00     |
| 17   | 2-Methylphenol               | 40.000 | 41.335 | -3.3 | 96    | 0.00     |
| 18   | Hexachloroethane             | 40.000 | 37.089 | 7.3  | 89    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 36.862 | 7.8  | 87    | 0.00     |
| 20   | 3+4-Methylphenols            | 40.000 | 41.865 | -4.7 | 97    | 0.00     |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0  | 100   | 0.00     |
| 22   | Acetophenone                 | 40.000 | 37.984 | 5.0  | 94    | 0.00     |
| 23 S | Nitrobenzene-d5              | 80.000 | 74.045 | 7.4  | 92    | 0.00     |
| 24   | Nitrobenzene                 | 40.000 | 36.969 | 7.6  | 92    | 0.00     |
| 25   | Isophorone                   | 40.000 | 34.156 | 14.6 | 72    | 0.00     |
| 26 C | 2-Nitrophenol                | 40.000 | 37.820 | 5.4  | 94    | 0.00     |
| 27   | 2,4-Dimethylphenol           | 40.000 | 39.046 | 2.4  | 96    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 36.756 | 8.1  | 90    | 0.00     |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 42.582 | -6.5 | 101   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 39.231 | 1.9  | 98    | 0.00     |
| 31   | Naphthalene                  | 40.000 | 38.623 | 3.4  | 96    | 0.00     |
| 32   | Benzoic acid                 | 40.000 | 38.338 | 4.2  | 97    | 0.00     |
| 33   | 4-Chloroaniline              | 40.000 | 40.950 | -2.4 | 99    | 0.00     |
| 34 C | Hexachlorobutadiene          | 40.000 | 39.968 | 0.1  | 97    | 0.00     |
| 35   | Caprolactam                  | 40.000 | 39.819 | 0.5  | 103   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 40.014 | -0.0 | 100   | 0.00     |
| 37   | 2-Methylnaphthalene          | 40.000 | 39.191 | 2.0  | 97    | 0.00     |
| 38   | 1-Methylnaphthalene          | 40.000 | 39.627 | 0.9  | 99    | 0.00     |
| 39 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0  | 106   | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 39.288 | 1.8  | 104   | 0.00     |
| 41 P | Hexachlorocyclopentadiene    | 40.000 | 33.633 | 15.9 | 87    | 0.00     |
| 42 S | 2,4,6-Tribromophenol         | 80.000 | 87.375 | -9.2 | 113   | 0.00     |
| 43 C | 2,4,6-Trichlorophenol        | 40.000 | 40.344 | -0.9 | 101   | 0.00     |
| 44   | 2,4,5-Trichlorophenol        | 40.000 | 41.075 | -2.7 | 104   | 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 | 76.104 | 4.9  | 101   | 0.00     |
| 46   | 1,1'-Biphenyl              | 40.000 | 37.830 | 5.4  | 99    | 0.00     |
| 47   | 2-Chloronaphthalene        | 40.000 | 38.291 | 4.3  | 102   | 0.00     |
| 48   | 2-Nitroaniline             | 40.000 | 39.407 | 1.5  | 101   | 0.00     |
| 49   | Acenaphthylene             | 40.000 | 38.766 | 3.1  | 101   | 0.00     |
| 50   | Dimethylphthalate          | 40.000 | 38.836 | 2.9  | 102   | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 38.906 | 2.7  | 102   | 0.00     |
| 52 C | Acenaphthene               | 40.000 | 38.728 | 3.2  | 103   | 0.00     |
| 53   | 3-Nitroaniline             | 40.000 | 40.594 | -1.5 | 105   | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 39.768 | 0.6  | 108   | 0.00     |
| 55   | Dibenzofuran               | 40.000 | 39.092 | 2.3  | 105   | 0.00     |
| 56 P | 4-Nitrophenol              | 40.000 | 36.656 | 8.4  | 92    | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 40.408 | -1.0 | 104   | 0.00     |
| 58   | Fluorene                   | 40.000 | 40.200 | -0.5 | 106   | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 40.883 | -2.2 | 104   | 0.00     |
| 60   | Diethylphthalate           | 40.000 | 38.037 | 4.9  | 102   | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 40.164 | -0.4 | 106   | 0.00     |
| 62   | 4-Nitroaniline             | 40.000 | 41.962 | -4.9 | 106   | 0.00     |
| 63   | Azobenzene                 | 40.000 | 37.920 | 5.2  | 99    | 0.00     |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0  | 116   | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 34.304 | 14.2 | 97    | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 37.707 | 5.7  | 109   | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 38.164 | 4.6  | 109   | 0.00     |
| 68   | Hexachlorobenzene          | 40.000 | 39.189 | 2.0  | 111   | 0.00     |
| 69   | Atrazine                   | 40.000 | 38.012 | 5.0  | 106   | 0.00     |
| 70 C | Pentachlorophenol          | 40.000 | 36.329 | 9.2  | 101   | 0.00     |
| 71   | Phenanthrene               | 40.000 | 37.404 | 6.5  | 108   | 0.00     |
| 72   | Anthracene                 | 40.000 | 38.075 | 4.8  | 109   | 0.00     |
| 73   | Carbazole                  | 40.000 | 37.745 | 5.6  | 108   | 0.00     |
| 74   | Di-n-butylphthalate        | 40.000 | 36.608 | 8.5  | 104   | 0.00     |
| 75 C | Fluoranthene               | 40.000 | 37.154 | 7.1  | 110   | 0.00     |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0  | 115   | 0.00     |
| 77   | Benzidine                  | 40.000 | 39.843 | 0.4  | 95    | 0.00     |
| 78   | Pyrene                     | 40.000 | 36.964 | 7.6  | 108   | 0.00     |
| 79 S | Terphenyl-d14              | 80.000 | 76.800 | 4.0  | 110   | 0.00     |
| 80   | Butylbenzylphthalate       | 40.000 | 37.044 | 7.4  | 103   | 0.00     |
| 81   | Benzo(a)anthracene         | 40.000 | 38.421 | 3.9  | 108   | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 39.441 | 1.4  | 107   | 0.00     |
| 83   | Chrysene                   | 40.000 | 37.890 | 5.3  | 108   | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 36.553 | 8.6  | 100   | 0.00     |
| 85 c | Di-n-octyl phthalate       | 40.000 | 36.729 | 8.2  | 100   | 0.00     |
| 86   | Indeno(1,2,3-cd)pyrene     | 40.000 | 37.879 | 5.3  | 104   | -0.01    |
| 87 I | Perylene-d12               | 20.000 | 20.000 | 0.0  | 114   | 0.00     |

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|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(b)fluoranthene   | 40.000 | 37.439 | 6.4  | 104   | 0.00     |
| 89   | Benzo(k)fluoranthene   | 40.000 | 38.251 | 4.4  | 106   | 0.00     |
| 90 C | Benzo(a)pyrene         | 40.000 | 38.146 | 4.6  | 106   | 0.00     |
| 91   | Dibenzo(a,h)anthracene | 40.000 | 37.298 | 6.8  | 104   | 0.00     |
| 92   | Benzo(q,h,i)perylene   | 40.000 | 37.360 | 6.6  | 104   | 0.00     |

(#) = Out of Range

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