

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031319\  
 Data File : BG039905.D  
 Acq On : 13 Mar 2019 16:45  
 Operator : JU/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Mar 14 04:18:00 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG030419.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Mar 04 14:38:15 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  | 108   | -0.03    |
| 2    | 1,4-Dioxane                  | 40.000 | 38.199 | 4.5  | 108   | -0.03    |
| 3    | Pyridine                     | 40.000 | 39.863 | 0.3  | 101   | -0.02    |
| 4    | n-Nitrosodimethylamine       | 40.000 | 43.615 | -9.0 | 115   | -0.02    |
| 5 S  | 2-Fluorophenol               | 80.000 | 81.049 | -1.3 | 108   | -0.02    |
| 6    | Aniline                      | 40.000 | 37.782 | 5.5  | 102   | -0.02    |
| 7 S  | Phenol-d6                    | 80.000 | 76.921 | 3.8  | 102   | -0.02    |
| 8    | 2-Chlorophenol               | 40.000 | 38.616 | 3.5  | 104   | -0.02    |
| 9    | Benzaldehyde                 | 40.000 | 35.991 | 10.0 | 96    | -0.02    |
| 10 C | Phenol                       | 40.000 | 38.431 | 3.9  | 101   | -0.02    |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 38.728 | 3.2  | 106   | -0.02    |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 39.903 | 0.2  | 108   | -0.02    |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 39.812 | 0.5  | 109   | -0.02    |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 38.490 | 3.8  | 105   | -0.02    |
| 15   | Benzyl Alcohol               | 40.000 | 38.574 | 3.6  | 101   | -0.02    |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 39.073 | 2.3  | 106   | -0.02    |
| 17   | 2-Methylphenol               | 40.000 | 38.080 | 4.8  | 100   | -0.02    |
| 18   | Hexachloroethane             | 40.000 | 40.404 | -1.0 | 113   | -0.02    |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 36.725 | 8.2  | 96    | -0.02    |
| 20   | 3+4-Methylphenols            | 40.000 | 38.442 | 3.9  | 101   | -0.02    |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0  | 102   | -0.02    |
| 22   | Acetophenone                 | 40.000 | 38.928 | 2.7  | 98    | -0.02    |
| 23 S | Nitrobenzene-d5              | 80.000 | 82.662 | -3.3 | 103   | -0.02    |
| 24   | Nitrobenzene                 | 40.000 | 40.865 | -2.2 | 103   | -0.02    |
| 25   | Isophorone                   | 40.000 | 38.999 | 2.5  | 97    | -0.01    |
| 26 C | 2-Nitrophenol                | 40.000 | 42.314 | -5.8 | 103   | -0.02    |
| 27   | 2,4-Dimethylphenol           | 40.000 | 39.613 | 1.0  | 98    | -0.02    |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 38.669 | 3.3  | 97    | -0.02    |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 40.386 | -1.0 | 99    | -0.02    |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 39.771 | 0.6  | 102   | -0.02    |
| 31   | Naphthalene                  | 40.000 | 38.621 | 3.4  | 97    | -0.02    |
| 32   | Benzoic acid                 | 40.000 | 37.759 | 5.6  | 100   | 0.00     |
| 33   | 4-Chloroaniline              | 40.000 | 39.039 | 2.4  | 96    | -0.02    |
| 34 C | Hexachlorobutadiene          | 40.000 | 40.819 | -2.0 | 104   | -0.02    |
| 35   | Caprolactam                  | 40.000 | 39.758 | 0.6  | 97    | -0.03    |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 38.928 | 2.7  | 95    | -0.02    |
| 37   | 2-Methylnaphthalene          | 40.000 | 38.269 | 4.3  | 96    | -0.02    |
| 38   | 1-Methylnaphthalene          | 40.000 | 38.275 | 4.3  | 96    | -0.01    |
| 39 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0  | 96    | -0.02    |
| 40   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 40.800 | -2.0 | 98    | -0.02    |
| 41 P | Hexachlorocyclopentadiene    | 40.000 | 43.149 | -7.9 | 102   | -0.02    |
| 42 S | 2,4,6-Tribromophenol         | 80.000 | 83.971 | -5.0 | 95    | -0.01    |
| 43 C | 2,4,6-Trichlorophenol        | 40.000 | 43.253 | -8.1 | 100   | -0.02    |
| 44   | 2,4,5-Trichlorophenol        | 40.000 | 41.117 | -2.8 | 93    | -0.01    |

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

|      | Compound                   | Amount | Calc.  | %Dev   | Area% | Dev(min) |
|------|----------------------------|--------|--------|--------|-------|----------|
| 45 S | 2-Fluorobiphenyl           | 80.000 | 79.448 | 0.7    | 96    | -0.02    |
| 46   | 1,1'-Biphenyl              | 40.000 | 39.461 | 1.3    | 95    | -0.02    |
| 47   | 2-Chloronaphthalene        | 40.000 | 39.434 | 1.4    | 95    | -0.01    |
| 48   | 2-Nitroaniline             | 40.000 | 42.938 | -7.3   | 98    | -0.01    |
| 49   | Acenaphthylene             | 40.000 | 39.496 | 1.3    | 93    | -0.02    |
| 50   | Dimethylphthalate          | 40.000 | 38.736 | 3.2    | 91    | -0.02    |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 40.881 | -2.2   | 92    | -0.01    |
| 52 C | Acenaphthene               | 40.000 | 38.777 | 3.1    | 93    | -0.02    |
| 53   | 3-Nitroaniline             | 40.000 | 40.287 | -0.7   | 92    | -0.01    |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 52.509 | -31.3# | 131   | -0.01    |
| 55   | Dibenzofuran               | 40.000 | 38.570 | 3.6    | 92    | -0.01    |
| 56 P | 4-Nitrophenol              | 40.000 | 40.058 | -0.1   | 92    | -0.01    |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 42.299 | -5.7   | 96    | -0.01    |
| 58   | Fluorene                   | 40.000 | 38.756 | 3.1    | 93    | -0.02    |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 41.649 | -4.1   | 95    | -0.01    |
| 60   | Diethylphthalate           | 40.000 | 39.510 | 1.2    | 92    | -0.02    |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 38.625 | 3.4    | 92    | -0.01    |
| 62   | 4-Nitroaniline             | 40.000 | 41.387 | -3.5   | 93    | -0.01    |
| 63   | Azobenzene                 | 40.000 | 39.706 | 0.7    | 94    | -0.01    |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0    | 92    | -0.01    |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 42.887 | -7.2   | 98    | -0.01    |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 40.692 | -1.7   | 92    | -0.01    |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 40.483 | -1.2   | 93    | -0.02    |
| 68   | Hexachlorobenzene          | 40.000 | 40.105 | -0.3   | 92    | -0.01    |
| 69   | Atrazine                   | 40.000 | 41.332 | -3.3   | 94    | 0.00     |
| 70 C | Pentachlorophenol          | 40.000 | 42.302 | -5.8   | 95    | 0.00     |
| 71   | Phenanthrene               | 40.000 | 39.118 | 2.2    | 90    | -0.01    |
| 72   | Anthracene                 | 40.000 | 39.908 | 0.2    | 92    | -0.01    |
| 73   | Carbazole                  | 40.000 | 40.480 | -1.2   | 93    | -0.01    |
| 74   | Di-n-butylphthalate        | 40.000 | 42.141 | -5.4   | 96    | -0.01    |
| 75 C | Fluoranthene               | 40.000 | 40.659 | -1.6   | 95    | -0.01    |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0    | 100   | -0.02    |
| 77   | Benzidine                  | 40.000 | 46.050 | -15.1  | 104   | -0.01    |
| 78   | Pyrene                     | 40.000 | 38.907 | 2.7    | 95    | -0.02    |
| 79 S | Terphenyl-d14              | 80.000 | 77.952 | 2.6    | 97    | -0.01    |
| 80   | Butylbenzylphthalate       | 40.000 | 42.740 | -6.9   | 102   | -0.02    |
| 81   | Benzo(a)anthracene         | 40.000 | 39.833 | 0.4    | 99    | -0.02    |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 41.392 | -3.5   | 99    | -0.02    |
| 83   | Chrysene                   | 40.000 | 39.202 | 2.0    | 98    | -0.02    |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 42.871 | -7.2   | 103   | -0.02    |
| 85 c | Di-n-octyl phthalate       | 40.000 | 43.887 | -9.7   | 103   | -0.03    |
| 86   | Indeno(1,2,3-cd)pyrene     | 40.000 | 40.976 | -2.4   | 100   | -0.05    |
| 87 I | Perylene-d12               | 20.000 | 20.000 | 0.0    | 99    | -0.03    |

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|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(b)fluoranthene   | 40.000 | 39.848 | 0.4  | 100   | -0.03    |
| 89   | Benzo(k)fluoranthene   | 40.000 | 38.853 | 2.9  | 98    | -0.03    |
| 90 C | Benzo(a)pyrene         | 40.000 | 40.454 | -1.1 | 100   | -0.03    |
| 91   | Dibenzo(a,h)anthracene | 40.000 | 39.158 | 2.1  | 99    | -0.04    |
| 92   | Benzo(g,h,i)perylene   | 40.000 | 39.793 | 0.5  | 99    | -0.04    |

(#) = Out of Range

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