

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG103119\  
 Data File : BG043435.D  
 Acq On : 31 Oct 2019 15:49  
 Operator : JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Nov 01 03:59:04 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Oct 21 16:37:43 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   | 90    | 0.00     |
| 2    | 1,4-Dioxane                  | 40.000 | 42.541 | -6.4  | 91    | 0.00     |
| 3    | Pyridine                     | 40.000 | 44.369 | -10.9 | 86    | 0.00     |
| 4    | n-Nitrosodimethylamine       | 40.000 | 41.254 | -3.1  | 90    | 0.00     |
| 5 S  | 2-Fluorophenol               | 80.000 | 83.423 | -4.3  | 90    | 0.00     |
| 6    | Aniline                      | 40.000 | 40.843 | -2.1  | 86    | 0.00     |
| 7 S  | Phenol-d6                    | 80.000 | 82.331 | -2.9  | 89    | 0.00     |
| 8    | 2-Chlorophenol               | 40.000 | 39.915 | 0.2   | 86    | 0.00     |
| 9    | Benzaldehyde                 | 40.000 | 38.762 | 3.1   | 86    | 0.00     |
| 10 C | Phenol                       | 40.000 | 39.896 | 0.3   | 85    | 0.00     |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 40.459 | -1.1  | 86    | 0.00     |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 40.477 | -1.2  | 88    | 0.00     |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 40.508 | -1.3  | 88    | 0.00     |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 40.026 | -0.1  | 87    | 0.00     |
| 15   | Benzyl Alcohol               | 40.000 | 40.612 | -1.5  | 85    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 40.970 | -2.4  | 87    | -0.01    |
| 17   | 2-Methylphenol               | 40.000 | 40.306 | -0.8  | 89    | 0.00     |
| 18   | Hexachloroethane             | 40.000 | 41.278 | -3.2  | 90    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 39.661 | 0.8   | 86    | 0.00     |
| 20   | 3+4-Methylphenols            | 40.000 | 38.391 | 4.0   | 84    | 0.00     |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0   | 91    | 0.00     |
| 22   | Acetophenone                 | 40.000 | 39.668 | 0.8   | 85    | 0.00     |
| 23 S | Nitrobenzene-d5              | 80.000 | 78.861 | 1.4   | 86    | 0.00     |
| 24   | Nitrobenzene                 | 40.000 | 38.587 | 3.5   | 84    | 0.00     |
| 25   | Isophorone                   | 40.000 | 38.238 | 4.4   | 83    | 0.00     |
| 26 C | 2-Nitrophenol                | 40.000 | 40.080 | -0.2  | 89    | 0.00     |
| 27   | 2,4-Dimethylphenol           | 40.000 | 38.519 | 3.7   | 84    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 39.173 | 2.1   | 83    | 0.00     |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 39.775 | 0.6   | 85    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 39.081 | 2.3   | 86    | 0.00     |
| 31   | Naphthalene                  | 40.000 | 39.695 | 0.8   | 87    | 0.00     |
| 32   | Benzoic acid                 | 40.000 | 37.768 | 5.6   | 93    | 0.00     |
| 33   | 4-Chloroaniline              | 40.000 | 38.975 | 2.6   | 82    | 0.00     |
| 34 C | Hexachlorobutadiene          | 40.000 | 39.491 | 1.3   | 87    | 0.00     |
| 35   | Caprolactam                  | 40.000 | 38.246 | 4.4   | 81    | -0.01    |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 39.202 | 2.0   | 84    | 0.00     |
| 37   | 2-Methylnaphthalene          | 40.000 | 38.537 | 3.7   | 84    | 0.00     |
| 38   | 1-Methylnaphthalene          | 40.000 | 39.054 | 2.4   | 85    | 0.00     |
| 39 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0   | 88    | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 41.054 | -2.6  | 87    | 0.00     |
| 41 P | Hexachlorocyclopentadiene    | 40.000 | 38.008 | 5.0   | 79    | 0.00     |
| 42 S | 2,4,6-Tribromophenol         | 80.000 | 77.906 | 2.6   | 81    | 0.00     |
| 43 C | 2,4,6-Trichlorophenol        | 40.000 | 40.105 | -0.3  | 83    | 0.00     |
| 44   | 2,4,5-Trichlorophenol        | 40.000 | 40.624 | -1.6  | 85    | 0.00     |

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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 | 81.751 | -2.2 | 86    | 0.00     |
| 46   | 1,1'-Biphenyl              | 40.000 | 40.234 | -0.6 | 84    | 0.00     |
| 47   | 2-Chloronaphthalene        | 40.000 | 40.722 | -1.8 | 86    | 0.00     |
| 48   | 2-Nitroaniline             | 40.000 | 42.063 | -5.2 | 86    | 0.00     |
| 49   | Acenaphthylene             | 40.000 | 40.337 | -0.8 | 84    | 0.00     |
| 50   | Dimethylphthalate          | 40.000 | 39.964 | 0.1  | 84    | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 39.981 | 0.0  | 83    | 0.00     |
| 52 C | Acenaphthene               | 40.000 | 40.063 | -0.2 | 85    | 0.00     |
| 53   | 3-Nitroaniline             | 40.000 | 40.811 | -2.0 | 85    | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 34.230 | 14.4 | 74    | 0.00     |
| 55   | Dibenzofuran               | 40.000 | 40.098 | -0.2 | 84    | 0.00     |
| 56 P | 4-Nitrophenol              | 40.000 | 37.099 | 7.3  | 76    | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 40.030 | -0.1 | 85    | 0.00     |
| 58   | Fluorene                   | 40.000 | 40.181 | -0.5 | 84    | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 38.487 | 3.8  | 77    | 0.00     |
| 60   | Diethylphthalate           | 40.000 | 39.620 | 1.0  | 83    | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 40.158 | -0.4 | 85    | 0.00     |
| 62   | 4-Nitroaniline             | 40.000 | 42.316 | -5.8 | 87    | 0.00     |
| 63   | Azobenzene                 | 40.000 | 40.050 | -0.1 | 84    | 0.00     |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0  | 91    | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 39.293 | 1.8  | 87    | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 38.766 | 3.1  | 84    | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 37.610 | 6.0  | 82    | 0.00     |
| 68   | Hexachlorobenzene          | 40.000 | 38.205 | 4.5  | 84    | 0.00     |
| 69   | Atrazine                   | 40.000 | 34.447 | 13.9 | 77    | 0.00     |
| 70 C | Pentachlorophenol          | 40.000 | 38.029 | 4.9  | 80    | 0.00     |
| 71   | Phenanthrene               | 40.000 | 38.979 | 2.6  | 85    | 0.00     |
| 72   | Anthracene                 | 40.000 | 39.535 | 1.2  | 84    | 0.00     |
| 73   | Carbazole                  | 40.000 | 39.960 | 0.1  | 86    | 0.00     |
| 74   | Di-n-butylphthalate        | 40.000 | 40.351 | -0.9 | 86    | 0.00     |
| 75 C | Fluoranthene               | 40.000 | 40.517 | -1.3 | 86    | 0.00     |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0  | 96    | 0.00     |
| 77   | Benzidine                  | 40.000 | 42.923 | -7.3 | 92    | 0.00     |
| 78   | Pyrene                     | 40.000 | 38.548 | 3.6  | 88    | 0.00     |
| 79 S | Terphenyl-d14              | 80.000 | 80.204 | -0.3 | 91    | 0.00     |
| 80   | Butylbenzylphthalate       | 40.000 | 39.860 | 0.4  | 91    | 0.00     |
| 81   | Benzo(a)anthracene         | 40.000 | 40.572 | -1.4 | 94    | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 41.819 | -4.5 | 95    | 0.00     |
| 83   | Chrysene                   | 40.000 | 39.641 | 0.9  | 91    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 40.699 | -1.7 | 94    | 0.00     |
| 85 c | Di-n-octyl phthalate       | 40.000 | 40.879 | -2.2 | 95    | -0.01    |
| 86   | Indeno(1,2,3-cd)pyrene     | 40.000 | 41.233 | -3.1 | 96    | -0.01    |
| 87 I | Perylene-d12               | 20.000 | 20.000 | 0.0  | 99    | 0.00     |

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|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(b)fluoranthene   | 40.000 | 39.496 | 1.3  | 93    | 0.00     |
| 89   | Benzo(k)fluoranthene   | 40.000 | 41.300 | -3.2 | 97    | 0.00     |
| 90 C | Benzo(a)pyrene         | 40.000 | 40.370 | -0.9 | 95    | -0.01    |
| 91   | Dibenzo(a,h)anthracene | 40.000 | 41.359 | -3.4 | 97    | -0.02    |
| 92   | Benzo(q,h,i)perylene   | 40.000 | 40.210 | -0.5 | 95    | 0.00     |

(#) = Out of Range

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