

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG091218\  
 Data File : BG036674.D  
 Acq On : 12 Sep 2018 15:49  
 Operator : JU/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Sep 12 16:41:52 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082318.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Aug 31 13:03:20 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   | 102   | 0.00     |
| 2    | 1,4-Dioxane                  | 40.000 | 40.355 | -0.9  | 108   | 0.00     |
| 3    | Pyridine                     | 40.000 | 41.713 | -4.3  | 105   | 0.00     |
| 4    | n-Nitrosodimethylamine       | 40.000 | 41.281 | -3.2  | 105   | 0.00     |
| 5 S  | 2-Fluorophenol               | 80.000 | 85.481 | -6.9  | 109   | 0.00     |
| 6    | Aniline                      | 40.000 | 40.615 | -1.5  | 104   | 0.00     |
| 7 S  | Phenol-d6                    | 80.000 | 85.168 | -6.5  | 109   | 0.00     |
| 8    | 2-Chlorophenol               | 40.000 | 40.653 | -1.6  | 104   | 0.00     |
| 9    | Benzaldehyde                 | 40.000 | 38.447 | 3.9   | 105   | 0.00     |
| 10 C | Phenol                       | 40.000 | 42.642 | -6.6  | 109   | 0.00     |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 41.250 | -3.1  | 107   | 0.00     |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 41.668 | -4.2  | 109   | 0.00     |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 41.837 | -4.6  | 109   | 0.00     |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 41.508 | -3.8  | 109   | 0.00     |
| 15   | Benzyl Alcohol               | 40.000 | 40.826 | -2.1  | 103   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 38.202 | 4.5   | 100   | 0.00     |
| 17   | 2-Methylphenol               | 40.000 | 41.258 | -3.1  | 107   | 0.00     |
| 18   | Hexachloroethane             | 40.000 | 41.900 | -4.7  | 107   | -0.02    |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 38.074 | 4.8   | 99    | 0.00     |
| 20   | 3+4-Methylphenols            | 40.000 | 41.913 | -4.8  | 108   | 0.00     |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0   | 104   | 0.00     |
| 22   | Acetophenone                 | 40.000 | 40.078 | -0.2  | 104   | 0.00     |
| 23 S | Nitrobenzene-d5              | 80.000 | 91.440 | -14.3 | 116   | 0.00     |
| 24   | Nitrobenzene                 | 40.000 | 43.900 | -9.7  | 111   | 0.00     |
| 25   | Isophorone                   | 40.000 | 38.320 | 4.2   | 99    | 0.00     |
| 26 C | 2-Nitrophenol                | 40.000 | 47.417 | -18.5 | 122   | 0.00     |
| 27   | 2,4-Dimethylphenol           | 40.000 | 39.441 | 1.4   | 103   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 39.365 | 1.6   | 102   | 0.00     |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 44.857 | -12.1 | 114   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 42.971 | -7.4  | 114   | 0.00     |
| 31   | Naphthalene                  | 40.000 | 40.998 | -2.5  | 106   | 0.00     |
| 32   | Benzoic acid                 | 40.000 | 38.103 | 4.7   | 101   | 0.00     |
| 33   | 4-Chloroaniline              | 40.000 | 42.174 | -5.4  | 108   | 0.00     |
| 34 C | Hexachlorobutadiene          | 40.000 | 44.797 | -12.0 | 115   | 0.00     |
| 35   | Caprolactam                  | 40.000 | 40.314 | -0.8  | 101   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 43.185 | -8.0  | 110   | 0.00     |
| 37   | 2-Methylnaphthalene          | 40.000 | 42.109 | -5.3  | 108   | 0.00     |
| 38 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0   | 108   | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 42.254 | -5.6  | 114   | 0.00     |
| 40 P | Hexachlorocyclopentadiene    | 40.000 | 39.228 | 1.9   | 104   | 0.00     |
| 41 S | 2,4,6-Tribromophenol         | 80.000 | 92.626 | -15.8 | 118   | 0.00     |
| 42 C | 2,4,6-Trichlorophenol        | 40.000 | 43.913 | -9.8  | 117   | 0.00     |
| 43   | 2,4,5-Trichlorophenol        | 40.000 | 44.133 | -10.3 | 115   | 0.00     |
| 44 S | 2-Fluorobiphenyl             | 80.000 | 82.800 | -3.5  | 114   | 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 | 40.231 | -0.6  | 111   | 0.00     |
| 46   | 2-Chloronaphthalene        | 40.000 | 41.679 | -4.2  | 113   | 0.00     |
| 47   | 2-Nitroaniline             | 40.000 | 45.655 | -14.1 | 117   | 0.00     |
| 48   | Acenaphthylene             | 40.000 | 40.968 | -2.4  | 111   | 0.00     |
| 49   | Dimethylphthalate          | 40.000 | 40.943 | -2.4  | 110   | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 40.000 | 44.602 | -11.5 | 118   | 0.00     |
| 51 C | Acenaphthene               | 40.000 | 41.453 | -3.6  | 112   | 0.00     |
| 52   | 3-Nitroaniline             | 40.000 | 45.080 | -12.7 | 113   | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 40.000 | 42.597 | -6.5  | 113   | 0.00     |
| 54   | Dibenzofuran               | 40.000 | 41.783 | -4.5  | 114   | 0.00     |
| 55 P | 4-Nitrophenol              | 40.000 | 41.369 | -3.4  | 106   | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 40.000 | 48.404 | -21.0 | 127   | 0.00     |
| 57   | Fluorene                   | 40.000 | 41.427 | -3.6  | 111   | 0.00     |
| 58   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 45.016 | -12.5 | 118   | 0.00     |
| 59   | Diethylphthalate           | 40.000 | 40.285 | -0.7  | 108   | 0.00     |
| 60   | 4-Chlorophenyl-phenylether | 40.000 | 43.398 | -8.5  | 119   | 0.00     |
| 61   | 4-Nitroaniline             | 40.000 | 45.080 | -12.7 | 114   | 0.00     |
| 62   | Azobenzene                 | 40.000 | 39.614 | 1.0   | 107   | 0.00     |
| 63 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 110   | 0.00     |
| 64   | 4,6-Dinitro-2-methylphenol | 40.000 | 42.824 | -7.1  | 119   | 0.00     |
| 65 c | n-Nitrosodiphenylamine     | 40.000 | 39.911 | 0.2   | 114   | 0.00     |
| 66   | 4-Bromophenyl-phenylether  | 40.000 | 42.201 | -5.5  | 118   | 0.00     |
| 67   | Hexachlorobenzene          | 40.000 | 43.520 | -8.8  | 121   | 0.00     |
| 68   | Atrazine                   | 40.000 | 34.493 | 13.8  | 98    | 0.00     |
| 69 C | Pentachlorophenol          | 40.000 | 40.096 | -0.2  | 104   | 0.00     |
| 70   | Phenanthrene               | 40.000 | 40.984 | -2.5  | 115   | 0.00     |
| 71   | Anthracene                 | 40.000 | 40.377 | -0.9  | 112   | 0.00     |
| 72   | Carbazole                  | 40.000 | 39.473 | 1.3   | 109   | 0.00     |
| 73   | Di-n-butylphthalate        | 40.000 | 39.422 | 1.4   | 107   | 0.00     |
| 74 C | Fluoranthene               | 40.000 | 40.557 | -1.4  | 111   | 0.00     |
| 75 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 108   | 0.00     |
| 76   | Benzidine                  | 40.000 | 33.775 | 15.6  | 98    | 0.00     |
| 77   | Pyrene                     | 40.000 | 41.103 | -2.8  | 111   | 0.00     |
| 78 S | Terphenyl-d14              | 80.000 | 82.722 | -3.4  | 114   | 0.00     |
| 79   | Butylbenzylphthalate       | 40.000 | 40.830 | -2.1  | 107   | 0.00     |
| 80   | Benzo(a)anthracene         | 40.000 | 40.329 | -0.8  | 111   | 0.00     |
| 81   | 3,3'-Dichlorobenzidine     | 40.000 | 38.795 | 3.0   | 103   | 0.00     |
| 82   | Chrysene                   | 40.000 | 40.912 | -2.3  | 112   | 0.00     |
| 83   | Bis(2-ethylhexyl)phthalate | 40.000 | 40.042 | -0.1  | 106   | -0.02    |
| 84 c | Di-n-octyl phthalate       | 40.000 | 39.823 | 0.4   | 104   | -0.02    |
| 85   | Indeno(1,2,3-cd)pyrene     | 40.000 | 36.988 | 7.5   | 100   | -0.02    |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 108   | 0.00     |
| 87   | Benzo(b)fluoranthene       | 40.000 | 41.145 | -2.9  | 109   | 0.00     |

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|      | Compound               | Amount | Calc.  | %Dev | Area% | Dev(min) |
|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 40.000 | 41.807 | -4.5 | 112   | 0.00     |
| 89 C | Benzo(a)pyrene         | 40.000 | 41.182 | -3.0 | 110   | 0.00     |
| 90   | Dibenzo(a,h)anthracene | 40.000 | 35.482 | 11.3 | 95    | -0.02    |
| 91   | Benzo(a,h,i)perylene   | 40.000 | 37.846 | 5.4  | 101   | -0.02    |

(#) = Out of Range

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