

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_G\DATA\BG121718\  
 Data File : BG038673.D  
 Acq On : 17 Dec 2018 22:20  
 Operator : JU/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Dec 18 03:41:12 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   | 103   | 0.00     |
| 2    | 1,4-Dioxane                  | 40.000 | 37.886 | 5.3   | 96    | 0.00     |
| 3    | Pyridine                     | 40.000 | 39.184 | 2.0   | 84    | 0.00     |
| 4    | n-Nitrosodimethylamine       | 40.000 | 46.931 | -17.3 | 111   | 0.00     |
| 5 S  | 2-Fluorophenol               | 80.000 | 83.008 | -3.8  | 107   | 0.00     |
| 6    | Aniline                      | 40.000 | 41.182 | -3.0  | 105   | 0.00     |
| 7 S  | Phenol-d6                    | 80.000 | 84.288 | -5.4  | 109   | 0.00     |
| 8    | 2-Chlorophenol               | 40.000 | 41.184 | -3.0  | 105   | 0.00     |
| 9    | Benzaldehyde                 | 40.000 | 39.378 | 1.6   | 110   | 0.00     |
| 10 C | Phenol                       | 40.000 | 42.171 | -5.4  | 109   | 0.00     |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 39.432 | 1.4   | 104   | 0.00     |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 41.005 | -2.5  | 107   | 0.00     |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 41.185 | -3.0  | 108   | 0.00     |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 40.415 | -1.0  | 107   | 0.00     |
| 15   | Benzyl Alcohol               | 40.000 | 45.435 | -13.6 | 112   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 41.034 | -2.6  | 107   | 0.00     |
| 17   | 2-Methylphenol               | 40.000 | 42.131 | -5.3  | 106   | 0.00     |
| 18   | Hexachloroethane             | 40.000 | 40.127 | -0.3  | 105   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 41.546 | -3.9  | 106   | 0.00     |
| 20   | 3+4-Methylphenols            | 40.000 | 43.010 | -7.5  | 109   | 0.00     |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0   | 108   | 0.00     |
| 22   | Acetophenone                 | 40.000 | 39.714 | 0.7   | 106   | 0.00     |
| 23 S | Nitrobenzene-d5              | 80.000 | 82.056 | -2.6  | 110   | 0.00     |
| 24   | Nitrobenzene                 | 40.000 | 41.244 | -3.1  | 111   | 0.00     |
| 25   | Isophorone                   | 40.000 | 37.407 | 6.5   | 86    | 0.00     |
| 26 C | 2-Nitrophenol                | 40.000 | 39.773 | 0.6   | 107   | 0.00     |
| 27   | 2,4-Dimethylphenol           | 40.000 | 40.768 | -1.9  | 109   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 39.414 | 1.5   | 105   | 0.00     |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 43.364 | -8.4  | 112   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 40.535 | -1.3  | 110   | 0.00     |
| 31   | Naphthalene                  | 40.000 | 39.549 | 1.1   | 107   | 0.00     |
| 32   | Benzoic acid                 | 40.000 | 39.854 | 0.4   | 110   | 0.02     |
| 33   | 4-Chloroaniline              | 40.000 | 42.530 | -6.3  | 111   | 0.00     |
| 34 C | Hexachlorobutadiene          | 40.000 | 41.455 | -3.6  | 109   | 0.00     |
| 35   | Caprolactam                  | 40.000 | 39.834 | 0.4   | 112   | 0.02     |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 41.822 | -4.6  | 114   | 0.00     |
| 37   | 2-Methylnaphthalene          | 40.000 | 40.426 | -1.1  | 109   | 0.00     |
| 38   | 1-Methylnaphthalene          | 40.000 | 40.629 | -1.6  | 110   | 0.00     |
| 39 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0   | 115   | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 39.775 | 0.6   | 113   | 0.00     |
| 41 P | Hexachlorocyclopentadiene    | 40.000 | 33.661 | 15.8  | 94    | 0.00     |
| 42 S | 2,4,6-Tribromophenol         | 80.000 | 84.128 | -5.2  | 117   | 0.00     |
| 43 C | 2,4,6-Trichlorophenol        | 40.000 | 40.987 | -2.5  | 110   | 0.00     |
| 44   | 2,4,5-Trichlorophenol        | 40.000 | 42.552 | -6.4  | 116   | 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 | 77.697 | 2.9  | 111   | 0.00     |
| 46   | 1,1'-Biphenyl              | 40.000 | 38.852 | 2.9  | 109   | 0.00     |
| 47   | 2-Chloronaphthalene        | 40.000 | 38.801 | 3.0  | 111   | 0.00     |
| 48   | 2-Nitroaniline             | 40.000 | 42.855 | -7.1 | 119   | 0.00     |
| 49   | Acenaphthylene             | 40.000 | 39.352 | 1.6  | 111   | 0.00     |
| 50   | Dimethylphthalate          | 40.000 | 39.930 | 0.2  | 113   | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 39.755 | 0.6  | 112   | 0.00     |
| 52 C | Acenaphthene               | 40.000 | 39.364 | 1.6  | 112   | 0.00     |
| 53   | 3-Nitroaniline             | 40.000 | 42.597 | -6.5 | 118   | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 32.707 | 18.2 | 93    | 0.00     |
| 55   | Dibenzofuran               | 40.000 | 39.412 | 1.5  | 114   | 0.00     |
| 56 P | 4-Nitrophenol              | 40.000 | 39.739 | 0.7  | 107   | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 40.328 | -0.8 | 111   | 0.00     |
| 58   | Fluorene                   | 40.000 | 40.199 | -0.5 | 114   | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 40.246 | -0.6 | 110   | 0.00     |
| 60   | Diethylphthalate           | 40.000 | 38.759 | 3.1  | 111   | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 40.573 | -1.4 | 115   | 0.00     |
| 62   | 4-Nitroaniline             | 40.000 | 42.578 | -6.4 | 115   | 0.00     |
| 63   | Azobenzene                 | 40.000 | 40.223 | -0.6 | 113   | 0.00     |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0  | 116   | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 37.188 | 7.0  | 105   | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 40.304 | -0.8 | 116   | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 39.503 | 1.2  | 113   | 0.00     |
| 68   | Hexachlorobenzene          | 40.000 | 40.442 | -1.1 | 114   | 0.00     |
| 69   | Atrazine                   | 40.000 | 41.673 | -4.2 | 116   | 0.00     |
| 70 C | Pentachlorophenol          | 40.000 | 41.271 | -3.2 | 115   | 0.00     |
| 71   | Phenanthrene               | 40.000 | 40.019 | -0.0 | 116   | 0.00     |
| 72   | Anthracene                 | 40.000 | 40.590 | -1.5 | 116   | 0.00     |
| 73   | Carbazole                  | 40.000 | 40.535 | -1.3 | 116   | 0.00     |
| 74   | Di-n-butylphthalate        | 40.000 | 40.454 | -1.1 | 115   | 0.00     |
| 75 C | Fluoranthene               | 40.000 | 39.785 | 0.5  | 117   | 0.00     |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0  | 116   | 0.00     |
| 77   | Benzidine                  | 40.000 | 35.224 | 11.9 | 85    | 0.00     |
| 78   | Pyrene                     | 40.000 | 39.157 | 2.1  | 115   | 0.00     |
| 79 S | Terphenyl-d14              | 80.000 | 80.771 | -1.0 | 117   | 0.00     |
| 80   | Butylbenzylphthalate       | 40.000 | 40.615 | -1.5 | 114   | 0.00     |
| 81   | Benzo(a)anthracene         | 40.000 | 40.660 | -1.6 | 115   | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 41.722 | -4.3 | 115   | 0.00     |
| 83   | Chrysene                   | 40.000 | 40.077 | -0.2 | 115   | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 40.350 | -0.9 | 112   | 0.00     |
| 85 c | Di-n-octyl phthalate       | 40.000 | 40.579 | -1.4 | 111   | 0.00     |
| 86   | Indeno(1,2,3-cd)pyrene     | 40.000 | 41.289 | -3.2 | 115   | 0.01     |
| 87 I | Perylene-d12               | 20.000 | 20.000 | 0.0  | 115   | 0.00     |

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|      | Compound               | Amount | Calc.  | %Dev | Area% | Dev(min) |
|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(b)fluoranthene   | 40.000 | 41.071 | -2.7 | 115   | 0.00     |
| 89   | Benzo(k)fluoranthene   | 40.000 | 39.642 | 0.9  | 111   | 0.00     |
| 90 C | Benzo(a)pyrene         | 40.000 | 40.952 | -2.4 | 115   | 0.00     |
| 91   | Dibenzo(a,h)anthracene | 40.000 | 41.031 | -2.6 | 115   | 0.01     |
| 92   | Benzo(g,h,i)perylene   | 40.000 | 40.524 | -1.3 | 113   | 0.01     |

(#) = Out of Range

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