

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG072219\  
 Data File : BG041742.D  
 Acq On : 22 Jul 2019 10:14  
 Operator : HP/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jul 22 15:04:27 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071519.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jul 15 16:16:21 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  | 129   | 0.00     |
| 2    | 1,4-Dioxane                  | 40.000 | 34.810 | 13.0 | 109   | 0.00     |
| 3    | Pyridine                     | 40.000 | 36.847 | 7.9  | 111   | 0.00     |
| 4    | n-Nitrosodimethylamine       | 40.000 | 32.736 | 18.2 | 99    | 0.00     |
| 5 S  | 2-Fluorophenol               | 80.000 | 72.164 | 9.8  | 110   | 0.00     |
| 6    | Aniline                      | 40.000 | 36.520 | 8.7  | 113   | 0.00     |
| 7 S  | Phenol-d6                    | 80.000 | 73.284 | 8.4  | 112   | 0.00     |
| 8    | 2-Chlorophenol               | 40.000 | 36.906 | 7.7  | 114   | 0.00     |
| 9    | Benzaldehyde                 | 40.000 | 35.665 | 10.8 | 112   | 0.00     |
| 10 C | Phenol                       | 40.000 | 36.547 | 8.6  | 111   | 0.00     |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 36.711 | 8.2  | 113   | 0.00     |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 37.147 | 7.1  | 115   | 0.00     |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 36.576 | 8.6  | 113   | 0.00     |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 37.631 | 5.9  | 116   | 0.00     |
| 15   | Benzyl Alcohol               | 40.000 | 35.310 | 11.7 | 108   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 33.592 | 16.0 | 103   | 0.00     |
| 17   | 2-Methylphenol               | 40.000 | 36.353 | 9.1  | 111   | 0.00     |
| 18   | Hexachloroethane             | 40.000 | 36.489 | 8.8  | 112   | -0.01    |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 35.578 | 11.1 | 109   | -0.01    |
| 20   | 3+4-Methylphenols            | 40.000 | 37.887 | 5.3  | 117   | 0.00     |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0  | 127   | 0.00     |
| 22   | Acetophenone                 | 40.000 | 36.315 | 9.2  | 114   | 0.00     |
| 23 S | Nitrobenzene-d5              | 80.000 | 75.675 | 5.4  | 114   | 0.00     |
| 24   | Nitrobenzene                 | 40.000 | 36.977 | 7.6  | 112   | 0.00     |
| 25   | Isophorone                   | 40.000 | 35.871 | 10.3 | 112   | -0.01    |
| 26 C | 2-Nitrophenol                | 40.000 | 39.204 | 2.0  | 118   | 0.00     |
| 27   | 2,4-Dimethylphenol           | 40.000 | 35.903 | 10.2 | 112   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 36.345 | 9.1  | 113   | -0.01    |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 38.015 | 5.0  | 117   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 37.666 | 5.8  | 118   | 0.00     |
| 31   | Naphthalene                  | 40.000 | 37.084 | 7.3  | 115   | 0.00     |
| 32   | Benzoic acid                 | 40.000 | 36.102 | 9.7  | 108   | -0.03    |
| 33   | 4-Chloroaniline              | 40.000 | 37.373 | 6.6  | 117   | 0.00     |
| 34 C | Hexachlorobutadiene          | 40.000 | 38.155 | 4.6  | 119   | 0.00     |
| 35   | Caprolactam                  | 40.000 | 37.786 | 5.5  | 119   | -0.02    |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 37.356 | 6.6  | 117   | 0.00     |
| 37   | 2-Methylnaphthalene          | 40.000 | 37.599 | 6.0  | 117   | -0.01    |
| 38   | 1-Methylnaphthalene          | 40.000 | 37.691 | 5.8  | 118   | 0.00     |
| 39 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0  | 135   | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 37.211 | 7.0  | 121   | -0.01    |
| 41 P | Hexachlorocyclopentadiene    | 40.000 | 36.373 | 9.1  | 120   | -0.01    |
| 42 S | 2,4,6-Tribromophenol         | 80.000 | 82.876 | -3.6 | 133   | 0.00     |
| 43 C | 2,4,6-Trichlorophenol        | 40.000 | 38.358 | 4.1  | 123   | 0.00     |
| 44   | 2,4,5-Trichlorophenol        | 40.000 | 38.515 | 3.7  | 124   | 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 | 73.047 | 8.7  | 118   | 0.00     |
| 46   | 1,1'-Biphenyl              | 40.000 | 36.529 | 8.7  | 118   | -0.01    |
| 47   | 2-Chloronaphthalene        | 40.000 | 36.876 | 7.8  | 121   | 0.00     |
| 48   | 2-Nitroaniline             | 40.000 | 38.549 | 3.6  | 119   | 0.00     |
| 49   | Acenaphthylene             | 40.000 | 36.970 | 7.6  | 119   | 0.00     |
| 50   | Dimethylphthalate          | 40.000 | 37.540 | 6.2  | 122   | -0.01    |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 40.887 | -2.2 | 128   | 0.00     |
| 52 C | Acenaphthene               | 40.000 | 37.400 | 6.5  | 122   | 0.00     |
| 53   | 3-Nitroaniline             | 40.000 | 39.450 | 1.4  | 125   | -0.01    |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 40.232 | -0.6 | 133   | 0.00     |
| 55   | Dibenzofuran               | 40.000 | 37.604 | 6.0  | 121   | -0.01    |
| 56 P | 4-Nitrophenol              | 40.000 | 39.706 | 0.7  | 122   | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 42.693 | -6.7 | 129   | -0.01    |
| 58   | Fluorene                   | 40.000 | 37.365 | 6.6  | 122   | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 40.434 | -1.1 | 129   | 0.00     |
| 60   | Diethylphthalate           | 40.000 | 37.209 | 7.0  | 122   | -0.02    |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 38.041 | 4.9  | 124   | -0.01    |
| 62   | 4-Nitroaniline             | 40.000 | 39.930 | 0.2  | 127   | -0.01    |
| 63   | Azobenzene                 | 40.000 | 35.767 | 10.6 | 117   | -0.01    |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0  | 139   | -0.01    |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 40.811 | -2.0 | 137   | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 36.643 | 8.4  | 123   | -0.01    |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 38.298 | 4.3  | 130   | -0.01    |
| 68   | Hexachlorobenzene          | 40.000 | 38.347 | 4.1  | 130   | 0.00     |
| 69   | Atrazine                   | 40.000 | 35.998 | 10.0 | 124   | -0.02    |
| 70 C | Pentachlorophenol          | 40.000 | 39.525 | 1.2  | 127   | 0.00     |
| 71   | Phenanthrene               | 40.000 | 37.471 | 6.3  | 123   | 0.00     |
| 72   | Anthracene                 | 40.000 | 37.654 | 5.9  | 124   | -0.01    |
| 73   | Carbazole                  | 40.000 | 37.588 | 6.0  | 124   | 0.00     |
| 74   | Di-n-butylphthalate        | 40.000 | 35.869 | 10.3 | 120   | -0.01    |
| 75 C | Fluoranthene               | 40.000 | 36.372 | 9.1  | 122   | -0.01    |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0  | 140   | -0.01    |
| 77   | Benzidine                  | 40.000 | 34.253 | 14.4 | 130   | 0.00     |
| 78   | Pyrene                     | 40.000 | 36.234 | 9.4  | 123   | 0.00     |
| 79 S | Terphenyl-d14              | 80.000 | 74.062 | 7.4  | 120   | -0.01    |
| 80   | Butylbenzylphthalate       | 40.000 | 36.807 | 8.0  | 121   | -0.01    |
| 81   | Benzo(a)anthracene         | 40.000 | 37.364 | 6.6  | 123   | -0.02    |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 37.066 | 7.3  | 126   | -0.01    |
| 83   | Chrysene                   | 40.000 | 37.725 | 5.7  | 125   | -0.01    |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 35.891 | 10.3 | 120   | -0.02    |
| 85 c | Di-n-octyl phthalate       | 40.000 | 36.178 | 9.6  | 117   | -0.03    |
| 86   | Indeno(1,2,3-cd)pyrene     | 40.000 | 36.815 | 8.0  | 125   | -0.04    |
| 87 I | Perylene-d12               | 20.000 | 20.000 | 0.0  | 141   | -0.02    |

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|      | Compound               | Amount | Calc.  | %Dev | Area% | Dev(min) |
|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(b)fluoranthene   | 40.000 | 36.992 | 7.5  | 125   | -0.02    |
| 89   | Benzo(k)fluoranthene   | 40.000 | 37.009 | 7.5  | 123   | -0.02    |
| 90 C | Benzo(a)pyrene         | 40.000 | 36.632 | 8.4  | 123   | -0.02    |
| 91   | Dibenzo(a,h)anthracene | 40.000 | 37.072 | 7.3  | 126   | -0.05    |
| 92   | Benzo(q,h,i)perylene   | 40.000 | 36.865 | 7.8  | 126   | -0.04    |

(#) = Out of Range

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