

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG110419\  
 Data File : BG043498.D  
 Acq On : 5 Nov 2019 2:50  
 Operator : JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Nov 05 04:54:55 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Nov 04 15:22:15 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   | 135   | 0.00     |
| 2    | 1,4-Dioxane                  | 40.000 | 37.846 | 5.4   | 122   | 0.00     |
| 3    | Pyridine                     | 40.000 | 39.796 | 0.5   | 115   | 0.00     |
| 4    | n-Nitrosodimethylamine       | 40.000 | 37.653 | 5.9   | 122   | 0.00     |
| 5 S  | 2-Fluorophenol               | 80.000 | 79.512 | 0.6   | 129   | 0.00     |
| 6    | Aniline                      | 40.000 | 37.575 | 6.1   | 119   | 0.00     |
| 7 S  | Phenol-d6                    | 80.000 | 77.245 | 3.4   | 125   | 0.00     |
| 8    | 2-Chlorophenol               | 40.000 | 38.994 | 2.5   | 126   | 0.00     |
| 9    | Benzaldehyde                 | 40.000 | 41.496 | -3.7  | 139   | 0.00     |
| 10 C | Phenol                       | 40.000 | 38.125 | 4.7   | 121   | 0.00     |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 36.876 | 7.8   | 118   | 0.00     |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 39.741 | 0.6   | 130   | 0.00     |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 38.645 | 3.4   | 125   | 0.00     |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 37.986 | 5.0   | 123   | 0.00     |
| 15   | Benzyl Alcohol               | 40.000 | 38.645 | 3.4   | 121   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 35.213 | 12.0  | 111   | 0.00     |
| 17   | 2-Methylphenol               | 40.000 | 37.886 | 5.3   | 125   | 0.00     |
| 18   | Hexachloroethane             | 40.000 | 38.078 | 4.8   | 124   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 35.002 | 12.5  | 114   | 0.00     |
| 20   | 3+4-Methylphenols            | 40.000 | 36.925 | 7.7   | 120   | 0.00     |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0   | 124   | 0.00     |
| 22   | Acetophenone                 | 40.000 | 39.290 | 1.8   | 116   | 0.00     |
| 23 S | Nitrobenzene-d5              | 80.000 | 77.845 | 2.7   | 117   | 0.00     |
| 24   | Nitrobenzene                 | 40.000 | 39.397 | 1.5   | 117   | 0.00     |
| 25   | Isophorone                   | 40.000 | 36.679 | 8.3   | 109   | 0.00     |
| 26 C | 2-Nitrophenol                | 40.000 | 40.562 | -1.4  | 124   | 0.00     |
| 27   | 2,4-Dimethylphenol           | 40.000 | 40.188 | -0.5  | 120   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 37.436 | 6.4   | 108   | 0.00     |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 41.616 | -4.0  | 122   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 40.879 | -2.2  | 123   | 0.00     |
| 31   | Naphthalene                  | 40.000 | 39.727 | 0.7   | 120   | 0.00     |
| 32   | Benzoic acid                 | 40.000 | 37.708 | 5.7   | 128   | 0.00     |
| 33   | 4-Chloroaniline              | 40.000 | 40.048 | -0.1  | 116   | 0.00     |
| 34 C | Hexachlorobutadiene          | 40.000 | 40.131 | -0.3  | 122   | 0.00     |
| 35   | Caprolactam                  | 40.000 | 38.700 | 3.2   | 112   | 0.02     |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 38.889 | 2.8   | 115   | 0.00     |
| 37   | 2-Methylnaphthalene          | 40.000 | 38.588 | 3.5   | 115   | 0.00     |
| 38   | 1-Methylnaphthalene          | 40.000 | 38.651 | 3.4   | 115   | 0.00     |
| 39 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0   | 118   | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 41.040 | -2.6  | 116   | 0.00     |
| 41 P | Hexachlorocyclopentadiene    | 40.000 | 13.494 | 66.3# | 38    | 0.00     |
| 42 S | 2,4,6-Tribromophenol         | 80.000 | 76.209 | 4.7   | 106   | 0.00     |
| 43 C | 2,4,6-Trichlorophenol        | 40.000 | 40.071 | -0.2  | 111   | 0.00     |
| 44   | 2,4,5-Trichlorophenol        | 40.000 | 39.137 | 2.2   | 109   | 0.00     |

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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) |
|------|----------------------------|--------|--------|-------|-------|----------|
| 45 S | 2-Fluorobiphenyl           | 80.000 | 79.078 | 1.2   | 111   | 0.00     |
| 46   | 1,1'-Biphenyl              | 40.000 | 39.747 | 0.6   | 111   | 0.00     |
| 47   | 2-Chloronaphthalene        | 40.000 | 40.226 | -0.6  | 114   | 0.00     |
| 48   | 2-Nitroaniline             | 40.000 | 39.153 | 2.1   | 107   | 0.00     |
| 49   | Acenaphthylene             | 40.000 | 40.055 | -0.1  | 112   | 0.00     |
| 50   | Dimethylphthalate          | 40.000 | 37.062 | 7.3   | 105   | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 38.812 | 3.0   | 108   | 0.00     |
| 52 C | Acenaphthene               | 40.000 | 39.228 | 1.9   | 111   | 0.00     |
| 53   | 3-Nitroaniline             | 40.000 | 39.542 | 1.1   | 110   | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 19.951 | 50.1# | 46    | 0.00     |
| 55   | Dibenzofuran               | 40.000 | 38.840 | 2.9   | 109   | 0.00     |
| 56 P | 4-Nitrophenol              | 40.000 | 37.059 | 7.4   | 102   | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 38.438 | 3.9   | 109   | 0.00     |
| 58   | Fluorene                   | 40.000 | 38.514 | 3.7   | 107   | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 37.746 | 5.6   | 101   | 0.00     |
| 60   | Diethylphthalate           | 40.000 | 36.672 | 8.3   | 103   | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 38.127 | 4.7   | 108   | 0.00     |
| 62   | 4-Nitroaniline             | 40.000 | 41.505 | -3.8  | 114   | 0.00     |
| 63   | Azobenzene                 | 40.000 | 37.512 | 6.2   | 105   | 0.00     |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 117   | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 19.561 | 51.1# | 56    | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 38.250 | 4.4   | 106   | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 38.105 | 4.7   | 107   | 0.00     |
| 68   | Hexachlorobenzene          | 40.000 | 37.898 | 5.3   | 107   | 0.00     |
| 69   | Atrazine                   | 40.000 | 35.441 | 11.4  | 101   | 0.00     |
| 70 C | Pentachlorophenol          | 40.000 | 34.882 | 12.8  | 94    | 0.00     |
| 71   | Phenanthrene               | 40.000 | 38.168 | 4.6   | 106   | 0.00     |
| 72   | Anthracene                 | 40.000 | 38.477 | 3.8   | 105   | 0.00     |
| 73   | Carbazole                  | 40.000 | 38.534 | 3.7   | 107   | 0.00     |
| 74   | Di-n-butylphthalate        | 40.000 | 38.493 | 3.8   | 106   | 0.00     |
| 75 C | Fluoranthene               | 40.000 | 37.163 | 7.1   | 101   | 0.00     |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 112   | 0.00     |
| 77   | Benzidine                  | 40.000 | 42.568 | -6.4  | 106   | 0.00     |
| 78   | Pyrene                     | 40.000 | 39.126 | 2.2   | 104   | 0.00     |
| 79 S | Terphenyl-d14              | 80.000 | 78.029 | 2.5   | 103   | 0.00     |
| 80   | Butylbenzylphthalate       | 40.000 | 40.803 | -2.0  | 109   | 0.00     |
| 81   | Benzo(a)anthracene         | 40.000 | 40.273 | -0.7  | 109   | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 42.575 | -6.4  | 113   | 0.00     |
| 83   | Chrysene                   | 40.000 | 39.864 | 0.3   | 106   | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 40.832 | -2.1  | 110   | 0.00     |
| 85 c | Di-n-octyl phthalate       | 40.000 | 40.964 | -2.4  | 111   | 0.00     |
| 86   | Indeno(1,2,3-cd)pyrene     | 40.000 | 38.808 | 3.0   | 105   | 0.00     |
| 87 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 117   | 0.00     |

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|      | Compound               | Amount | Calc.  | %Dev | Area% | Dev(min) |
|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(b)fluoranthene   | 40.000 | 39.719 | 0.7  | 111   | 0.00     |
| 89   | Benzo(k)fluoranthene   | 40.000 | 38.503 | 3.7  | 107   | 0.00     |
| 90 C | Benzo(a)pyrene         | 40.000 | 39.660 | 0.9  | 111   | 0.00     |
| 91   | Dibenzo(a,h)anthracene | 40.000 | 37.626 | 5.9  | 105   | 0.00     |
| 92   | Benzo(q,h,i)perylene   | 40.000 | 33.752 | 15.6 | 94    | 0.02     |

(#) = Out of Range

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