

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG113018\  
 Data File : BG038252.D  
 Acq On : 30 Nov 2018 11:27  
 Operator : JU/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Nov 30 13:14:21 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG111318.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Nov 13 16:39:28 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   | 77    | 0.00     |
| 2    | 1,4-Dioxane                  | 40.000 | 36.074 | 9.8   | 73    | 0.00     |
| 3    | Pyridine                     | 40.000 | 37.797 | 5.5   | 72    | 0.00     |
| 4    | n-Nitrosodimethylamine       | 40.000 | 48.997 | -22.5 | 93    | 0.00     |
| 5 S  | 2-Fluorophenol               | 80.000 | 83.631 | -4.5  | 81    | 0.00     |
| 6    | Aniline                      | 40.000 | 42.401 | -6.0  | 81    | 0.00     |
| 7 S  | Phenol-d6                    | 80.000 | 85.871 | -7.3  | 81    | 0.00     |
| 8    | 2-Chlorophenol               | 40.000 | 42.949 | -7.4  | 82    | 0.00     |
| 9    | Benzaldehyde                 | 40.000 | 37.949 | 5.1   | 73    | 0.00     |
| 10 C | Phenol                       | 40.000 | 42.915 | -7.3  | 81    | 0.00     |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 42.416 | -6.0  | 82    | 0.00     |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 41.090 | -2.7  | 80    | 0.00     |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 40.913 | -2.3  | 78    | 0.00     |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 40.397 | -1.0  | 79    | 0.00     |
| 15   | Benzyl Alcohol               | 40.000 | 47.280 | -18.2 | 87    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 48.968 | -22.4 | 94    | 0.00     |
| 17   | 2-Methylphenol               | 40.000 | 43.882 | -9.7  | 83    | 0.00     |
| 18   | Hexachloroethane             | 40.000 | 42.847 | -7.1  | 83    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 42.704 | -6.8  | 81    | 0.00     |
| 20   | 3+4-Methylphenols            | 40.000 | 43.993 | -10.0 | 84    | 0.00     |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0   | 81    | 0.00     |
| 22   | Acetophenone                 | 40.000 | 40.445 | -1.1  | 81    | 0.00     |
| 23 S | Nitrobenzene-d5              | 80.000 | 85.678 | -7.1  | 85    | 0.00     |
| 24   | Nitrobenzene                 | 40.000 | 43.275 | -8.2  | 88    | 0.00     |
| 25   | Isophorone                   | 40.000 | 41.280 | -3.2  | 83    | 0.00     |
| 26 C | 2-Nitrophenol                | 40.000 | 42.655 | -6.6  | 83    | 0.00     |
| 27   | 2,4-Dimethylphenol           | 40.000 | 42.024 | -5.1  | 83    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 41.543 | -3.9  | 83    | 0.00     |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 41.992 | -5.0  | 82    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 41.280 | -3.2  | 83    | 0.00     |
| 31   | Naphthalene                  | 40.000 | 40.761 | -1.9  | 82    | 0.00     |
| 32   | Benzoic acid                 | 40.000 | 32.283 | 19.3  | 63    | 0.00     |
| 33   | 4-Chloroaniline              | 40.000 | 40.575 | -1.4  | 81    | 0.00     |
| 34 C | Hexachlorobutadiene          | 40.000 | 41.425 | -3.6  | 83    | 0.00     |
| 35   | Caprolactam                  | 40.000 | 39.318 | 1.7   | 77    | 0.01     |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 42.634 | -6.6  | 83    | 0.00     |
| 37   | 2-Methylnaphthalene          | 40.000 | 40.440 | -1.1  | 82    | 0.00     |
| 38   | 1-Methylnaphthalene          | 40.000 | 40.576 | -1.4  | 82    | 0.00     |
| 39 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0   | 80    | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 42.020 | -5.1  | 83    | 0.00     |
| 41 P | Hexachlorocyclopentadiene    | 40.000 | 35.468 | 11.3  | 68    | 0.00     |
| 42 S | 2,4,6-Tribromophenol         | 80.000 | 81.566 | -2.0  | 79    | 0.00     |
| 43 C | 2,4,6-Trichlorophenol        | 40.000 | 41.203 | -3.0  | 80    | 0.00     |
| 44   | 2,4,5-Trichlorophenol        | 40.000 | 39.544 | 1.1   | 77    | 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 | 82.719 | -3.4  | 83    | 0.00     |
| 46   | 1,1'-Biphenyl              | 40.000 | 41.308 | -3.3  | 82    | 0.00     |
| 47   | 2-Chloronaphthalene        | 40.000 | 40.787 | -2.0  | 81    | 0.00     |
| 48   | 2-Nitroaniline             | 40.000 | 45.181 | -13.0 | 87    | 0.00     |
| 49   | Acenaphthylene             | 40.000 | 41.108 | -2.8  | 81    | 0.00     |
| 50   | Dimethylphthalate          | 40.000 | 40.815 | -2.0  | 81    | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 41.870 | -4.7  | 81    | 0.00     |
| 52 C | Acenaphthene               | 40.000 | 40.815 | -2.0  | 80    | 0.00     |
| 53   | 3-Nitroaniline             | 40.000 | 41.624 | -4.1  | 82    | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 16.937 | 57.7# | 20    | 0.00     |
| 55   | Dibenzofuran               | 40.000 | 40.547 | -1.4  | 81    | 0.00     |
| 56 P | 4-Nitrophenol              | 40.000 | 34.152 | 14.6  | 66    | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 42.190 | -5.5  | 81    | 0.00     |
| 58   | Fluorene                   | 40.000 | 40.574 | -1.4  | 81    | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 39.723 | 0.7   | 76    | 0.00     |
| 60   | Diethylphthalate           | 40.000 | 40.537 | -1.3  | 81    | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 41.113 | -2.8  | 82    | 0.00     |
| 62   | 4-Nitroaniline             | 40.000 | 41.680 | -4.2  | 80    | 0.00     |
| 63   | Azobenzene                 | 40.000 | 42.070 | -5.2  | 84    | 0.00     |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 78    | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 20.477 | 48.8# | 38    | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 41.848 | -4.6  | 80    | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 43.111 | -7.8  | 82    | 0.00     |
| 68   | Hexachlorobenzene          | 40.000 | 43.409 | -8.5  | 84    | 0.00     |
| 69   | Atrazine                   | 40.000 | 41.660 | -4.1  | 79    | 0.00     |
| 70 C | Pentachlorophenol          | 40.000 | 37.222 | 6.9   | 68    | 0.00     |
| 71   | Phenanthrene               | 40.000 | 41.327 | -3.3  | 80    | 0.00     |
| 72   | Anthracene                 | 40.000 | 41.390 | -3.5  | 80    | 0.00     |
| 73   | Carbazole                  | 40.000 | 41.584 | -4.0  | 79    | 0.00     |
| 74   | Di-n-butylphthalate        | 40.000 | 42.976 | -7.4  | 82    | 0.00     |
| 75 C | Fluoranthene               | 40.000 | 41.519 | -3.8  | 80    | 0.00     |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 80    | 0.00     |
| 77   | Benzidine                  | 40.000 | 39.853 | 0.4   | 71    | 0.00     |
| 78   | Pyrene                     | 40.000 | 40.957 | -2.4  | 80    | 0.00     |
| 79 S | Terphenyl-d14              | 80.000 | 83.961 | -5.0  | 82    | 0.00     |
| 80   | Butylbenzylphthalate       | 40.000 | 41.714 | -4.3  | 80    | 0.00     |
| 81   | Benzo(a)anthracene         | 40.000 | 41.450 | -3.6  | 82    | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 40.946 | -2.4  | 77    | 0.00     |
| 83   | Chrysene                   | 40.000 | 41.315 | -3.3  | 81    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 42.497 | -6.2  | 83    | 0.00     |
| 85 c | Di-n-octyl phthalate       | 40.000 | 43.511 | -8.8  | 82    | 0.00     |
| 86   | Indeno(1,2,3-cd)pyrene     | 40.000 | 37.569 | 6.1   | 72    | -0.01    |
| 87 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 80    | 0.00     |

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|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(b)fluoranthene   | 40.000 | 42.150 | -5.4 | 82    | 0.00     |
| 89   | Benzo(k)fluoranthene   | 40.000 | 40.844 | -2.1 | 81    | 0.00     |
| 90 C | Benzo(a)pyrene         | 40.000 | 42.338 | -5.8 | 82    | 0.00     |
| 91   | Dibenzo(a,h)anthracene | 40.000 | 36.963 | 7.6  | 72    | -0.02    |
| 92   | Benzo(q,h,i)perylene   | 40.000 | 35.772 | 10.6 | 69    | 0.00     |

(#) = Out of Range

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