

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG110218\  
 Data File : BG037775.D  
 Acq On : 3 Nov 2018 4:31  
 Operator : JU/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Nov 03 04:06:53 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG101818.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Oct 18 14:06:42 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   | 107   | 0.00     |
| 2    | 1,4-Dioxane                  | 40.000 | 37.289 | 6.8   | 103   | 0.00     |
| 3    | Pyridine                     | 40.000 | 37.705 | 5.7   | 103   | 0.00     |
| 4    | n-Nitrosodimethylamine       | 40.000 | 38.317 | 4.2   | 105   | 0.00     |
| 5 S  | 2-Fluorophenol               | 80.000 | 78.306 | 2.1   | 106   | 0.00     |
| 6    | Aniline                      | 40.000 | 38.965 | 2.6   | 105   | 0.00     |
| 7 S  | Phenol-d6                    | 80.000 | 77.654 | 2.9   | 104   | 0.00     |
| 8    | 2-Chlorophenol               | 40.000 | 39.461 | 1.3   | 107   | 0.00     |
| 9    | Benzaldehyde                 | 40.000 | 35.036 | 12.4  | 95    | 0.00     |
| 10 C | Phenol                       | 40.000 | 38.614 | 3.5   | 104   | 0.00     |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 39.463 | 1.3   | 108   | 0.00     |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 40.504 | -1.3  | 111   | -0.01    |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 39.836 | 0.4   | 109   | 0.00     |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 39.402 | 1.5   | 108   | 0.00     |
| 15   | Benzyl Alcohol               | 40.000 | 38.220 | 4.5   | 101   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 39.322 | 1.7   | 107   | -0.01    |
| 17   | 2-Methylphenol               | 40.000 | 38.574 | 3.6   | 102   | 0.00     |
| 18   | Hexachloroethane             | 40.000 | 42.380 | -6.0  | 115   | -0.01    |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 37.386 | 6.5   | 98    | 0.00     |
| 20   | 3+4-Methylphenols            | 40.000 | 38.797 | 3.0   | 104   | 0.00     |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0   | 105   | 0.00     |
| 22   | Acetophenone                 | 40.000 | 38.194 | 4.5   | 101   | 0.00     |
| 23 S | Nitrobenzene-d5              | 80.000 | 81.963 | -2.5  | 107   | 0.00     |
| 24   | Nitrobenzene                 | 40.000 | 40.583 | -1.5  | 106   | 0.00     |
| 25   | Isophorone                   | 40.000 | 38.785 | 3.0   | 99    | -0.01    |
| 26 C | 2-Nitrophenol                | 40.000 | 45.855 | -14.6 | 117   | -0.01    |
| 27   | 2,4-Dimethylphenol           | 40.000 | 38.699 | 3.3   | 101   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 39.084 | 2.3   | 102   | -0.01    |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 41.039 | -2.6  | 107   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 40.965 | -2.4  | 109   | -0.01    |
| 31   | Naphthalene                  | 40.000 | 39.769 | 0.6   | 106   | 0.00     |
| 32   | Benzoic acid                 | 40.000 | 44.172 | -10.4 | 113   | 0.00     |
| 33   | 4-Chloroaniline              | 40.000 | 39.335 | 1.7   | 102   | -0.01    |
| 34 C | Hexachlorobutadiene          | 40.000 | 43.567 | -8.9  | 113   | -0.01    |
| 35   | Caprolactam                  | 40.000 | 38.957 | 2.6   | 99    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 38.827 | 2.9   | 101   | 0.00     |
| 37   | 2-Methylnaphthalene          | 40.000 | 39.560 | 1.1   | 103   | -0.01    |
| 38   | 1-Methylnaphthalene          | 40.000 | 39.223 | 1.9   | 104   | -0.01    |
| 39 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0   | 104   | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 42.363 | -5.9  | 109   | -0.01    |
| 41 P | Hexachlorocyclopentadiene    | 40.000 | 45.443 | -13.6 | 114   | 0.00     |
| 42 S | 2,4,6-Tribromophenol         | 80.000 | 84.239 | -5.3  | 103   | 0.00     |
| 43 C | 2,4,6-Trichlorophenol        | 40.000 | 42.077 | -5.2  | 105   | 0.00     |
| 44   | 2,4,5-Trichlorophenol        | 40.000 | 40.792 | -2.0  | 102   | 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 | 79.907 | 0.1   | 104   | 0.00     |
| 46   | 1,1'-Biphenyl              | 40.000 | 39.894 | 0.3   | 104   | 0.00     |
| 47   | 2-Chloronaphthalene        | 40.000 | 40.349 | -0.9  | 105   | 0.00     |
| 48   | 2-Nitroaniline             | 40.000 | 42.273 | -5.7  | 107   | 0.00     |
| 49   | Acenaphthylene             | 40.000 | 40.128 | -0.3  | 103   | 0.00     |
| 50   | Dimethylphthalate          | 40.000 | 38.987 | 2.5   | 100   | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 41.528 | -3.8  | 103   | 0.00     |
| 52 C | Acenaphthene               | 40.000 | 39.382 | 1.5   | 103   | 0.00     |
| 53   | 3-Nitroaniline             | 40.000 | 40.488 | -1.2  | 100   | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 43.543 | -8.9  | 118   | 0.00     |
| 55   | Dibenzofuran               | 40.000 | 38.946 | 2.6   | 102   | 0.00     |
| 56 P | 4-Nitrophenol              | 40.000 | 37.983 | 5.0   | 94    | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 43.812 | -9.5  | 107   | 0.00     |
| 58   | Fluorene                   | 40.000 | 38.764 | 3.1   | 101   | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 39.754 | 0.6   | 101   | 0.00     |
| 60   | Diethylphthalate           | 40.000 | 39.243 | 1.9   | 101   | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 39.095 | 2.3   | 101   | 0.00     |
| 62   | 4-Nitroaniline             | 40.000 | 40.621 | -1.6  | 100   | 0.00     |
| 63   | Azobenzene                 | 40.000 | 38.146 | 4.6   | 100   | 0.00     |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 97    | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 44.234 | -10.6 | 118   | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 41.127 | -2.8  | 100   | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 41.758 | -4.4  | 102   | 0.00     |
| 68   | Hexachlorobenzene          | 40.000 | 40.855 | -2.1  | 99    | 0.00     |
| 69   | Atrazine                   | 40.000 | 39.500 | 1.3   | 93    | 0.00     |
| 70 C | Pentachlorophenol          | 40.000 | 41.264 | -3.2  | 97    | 0.00     |
| 71   | Phenanthrene               | 40.000 | 40.143 | -0.4  | 99    | 0.00     |
| 72   | Anthracene                 | 40.000 | 40.020 | -0.1  | 98    | 0.00     |
| 73   | Carbazole                  | 40.000 | 40.401 | -1.0  | 98    | 0.00     |
| 74   | Di-n-butylphthalate        | 40.000 | 41.432 | -3.6  | 99    | 0.00     |
| 75 C | Fluoranthene               | 40.000 | 39.790 | 0.5   | 97    | 0.00     |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 100   | 0.00     |
| 77   | Benzidine                  | 40.000 | 37.312 | 6.7   | 90    | 0.00     |
| 78   | Pyrene                     | 40.000 | 39.262 | 1.8   | 98    | 0.00     |
| 79 S | Terphenyl-d14              | 80.000 | 78.067 | 2.4   | 98    | 0.00     |
| 80   | Butylbenzylphthalate       | 40.000 | 42.458 | -6.1  | 102   | 0.00     |
| 81   | Benzo(a)anthracene         | 40.000 | 40.172 | -0.4  | 100   | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 40.719 | -1.8  | 98    | 0.00     |
| 83   | Chrysene                   | 40.000 | 39.976 | 0.1   | 100   | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 42.479 | -6.2  | 101   | -0.01    |
| 85 c | Di-n-octyl phthalate       | 40.000 | 43.214 | -8.0  | 103   | -0.03    |
| 86   | Indeno(1,2,3-cd)pyrene     | 40.000 | 36.217 | 9.5   | 88    | -0.02    |
| 87 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 99    | 0.00     |

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|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(b)fluoranthene   | 40.000 | 39.745 | 0.6  | 98    | 0.00     |
| 89   | Benzo(k)fluoranthene   | 40.000 | 41.058 | -2.6 | 101   | 0.00     |
| 90 C | Benzo(a)pyrene         | 40.000 | 41.021 | -2.6 | 101   | -0.01    |
| 91   | Dibenzo(a,h)anthracene | 40.000 | 35.326 | 11.7 | 85    | -0.02    |
| 92   | Benzo(q,h,i)perylene   | 40.000 | 36.801 | 8.0  | 90    | -0.03    |

(#) = Out of Range

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