

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG071219\  
 Data File : BG041633.D  
 Acq On : 12 Jul 2019 10:28  
 Operator : HP/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jul 12 11:04:41 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071119.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jul 12 05:39:06 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  | 120   | 0.00     |
| 2    | 1,4-Dioxane                  | 40.000 | 36.523 | 8.7  | 109   | 0.00     |
| 3    | Pyridine                     | 40.000 | 41.261 | -3.2 | 116   | 0.00     |
| 4    | n-Nitrosodimethylamine       | 40.000 | 35.646 | 10.9 | 112   | 0.00     |
| 5 S  | 2-Fluorophenol               | 80.000 | 75.914 | 5.1  | 112   | 0.00     |
| 6    | Aniline                      | 40.000 | 37.071 | 7.3  | 111   | 0.00     |
| 7 S  | Phenol-d6                    | 80.000 | 75.341 | 5.8  | 111   | 0.00     |
| 8    | 2-Chlorophenol               | 40.000 | 36.639 | 8.4  | 110   | 0.00     |
| 9    | Benzaldehyde                 | 40.000 | 33.601 | 16.0 | 104   | 0.00     |
| 10 C | Phenol                       | 40.000 | 37.454 | 6.4  | 110   | 0.00     |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 36.234 | 9.4  | 108   | 0.00     |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 37.050 | 7.4  | 110   | 0.00     |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 36.797 | 8.0  | 109   | 0.00     |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 36.480 | 8.8  | 109   | 0.00     |
| 15   | Benzyl Alcohol               | 40.000 | 36.870 | 7.8  | 109   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 36.554 | 8.6  | 109   | 0.00     |
| 17   | 2-Methylphenol               | 40.000 | 36.608 | 8.5  | 109   | 0.00     |
| 18   | Hexachloroethane             | 40.000 | 36.534 | 8.7  | 111   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 36.827 | 7.9  | 108   | 0.00     |
| 20   | 3+4-Methylphenols            | 40.000 | 36.755 | 8.1  | 108   | 0.00     |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0  | 122   | 0.00     |
| 22   | Acetophenone                 | 40.000 | 34.847 | 12.9 | 110   | 0.00     |
| 23 S | Nitrobenzene-d5              | 80.000 | 70.842 | 11.4 | 114   | 0.00     |
| 24   | Nitrobenzene                 | 40.000 | 35.271 | 11.8 | 114   | 0.00     |
| 25   | Isophorone                   | 40.000 | 34.937 | 12.7 | 109   | 0.00     |
| 26 C | 2-Nitrophenol                | 40.000 | 35.031 | 12.4 | 117   | 0.00     |
| 27   | 2,4-Dimethylphenol           | 40.000 | 34.951 | 12.6 | 110   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 34.875 | 12.8 | 109   | 0.00     |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 34.246 | 14.4 | 107   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 34.527 | 13.7 | 109   | 0.00     |
| 31   | Naphthalene                  | 40.000 | 35.235 | 11.9 | 108   | 0.00     |
| 32   | Benzoic acid                 | 40.000 | 32.730 | 18.2 | 110   | 0.00     |
| 33   | 4-Chloroaniline              | 40.000 | 34.546 | 13.6 | 106   | 0.00     |
| 34 C | Hexachlorobutadiene          | 40.000 | 34.286 | 14.3 | 109   | 0.00     |
| 35   | Caprolactam                  | 40.000 | 33.071 | 17.3 | 100   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 34.539 | 13.7 | 107   | 0.00     |
| 37   | 2-Methylnaphthalene          | 40.000 | 35.004 | 12.5 | 108   | 0.00     |
| 38   | 1-Methylnaphthalene          | 40.000 | 34.624 | 13.4 | 106   | 0.00     |
| 39 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0  | 116   | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 35.371 | 11.6 | 107   | 0.00     |
| 41 P | Hexachlorocyclopentadiene    | 40.000 | 34.153 | 14.6 | 107   | 0.00     |
| 42 S | 2,4,6-Tribromophenol         | 80.000 | 69.148 | 13.6 | 101   | 0.00     |
| 43 C | 2,4,6-Trichlorophenol        | 40.000 | 35.485 | 11.3 | 108   | 0.00     |
| 44   | 2,4,5-Trichlorophenol        | 40.000 | 35.255 | 11.9 | 106   | 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 | 73.585 | 8.0  | 106   | 0.00     |
| 46   | 1,1'-Biphenyl              | 40.000 | 35.833 | 10.4 | 106   | 0.00     |
| 47   | 2-Chloronaphthalene        | 40.000 | 35.038 | 12.4 | 105   | 0.00     |
| 48   | 2-Nitroaniline             | 40.000 | 36.335 | 9.2  | 115   | 0.00     |
| 49   | Acenaphthylene             | 40.000 | 36.033 | 9.9  | 104   | 0.00     |
| 50   | Dimethylphthalate          | 40.000 | 35.566 | 11.1 | 103   | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 36.021 | 9.9  | 110   | 0.00     |
| 52 C | Acenaphthene               | 40.000 | 34.977 | 12.6 | 104   | 0.00     |
| 53   | 3-Nitroaniline             | 40.000 | 35.620 | 11.0 | 108   | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 34.204 | 14.5 | 111   | 0.00     |
| 55   | Dibenzofuran               | 40.000 | 35.909 | 10.2 | 104   | 0.00     |
| 56 P | 4-Nitrophenol              | 40.000 | 35.376 | 11.6 | 106   | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 36.619 | 8.5  | 112   | 0.00     |
| 58   | Fluorene                   | 40.000 | 35.315 | 11.7 | 101   | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 35.119 | 12.2 | 102   | 0.00     |
| 60   | Diethylphthalate           | 40.000 | 35.181 | 12.0 | 102   | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 34.960 | 12.6 | 103   | 0.00     |
| 62   | 4-Nitroaniline             | 40.000 | 35.575 | 11.1 | 106   | 0.00     |
| 63   | Azobenzene                 | 40.000 | 35.038 | 12.4 | 102   | 0.00     |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0  | 111   | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 36.152 | 9.6  | 107   | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 34.880 | 12.8 | 101   | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 35.012 | 12.5 | 103   | 0.00     |
| 68   | Hexachlorobenzene          | 40.000 | 34.947 | 12.6 | 101   | 0.00     |
| 69   | Atrazine                   | 40.000 | 31.041 | 22.4 | 97    | 0.00     |
| 70 C | Pentachlorophenol          | 40.000 | 33.619 | 16.0 | 99    | 0.00     |
| 71   | Phenanthrene               | 40.000 | 34.309 | 14.2 | 100   | 0.00     |
| 72   | Anthracene                 | 40.000 | 32.843 | 17.9 | 99    | 0.00     |
| 73   | Carbazole                  | 40.000 | 32.814 | 18.0 | 98    | 0.00     |
| 74   | Di-n-butylphthalate        | 40.000 | 32.503 | 18.7 | 97    | 0.00     |
| 75 C | Fluoranthene               | 40.000 | 34.499 | 13.8 | 99    | 0.00     |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0  | 107   | 0.00     |
| 77   | Benzidine                  | 40.000 | 39.689 | 0.8  | 108   | 0.00     |
| 78   | Pyrene                     | 40.000 | 36.930 | 7.7  | 98    | 0.00     |
| 79 S | Terphenyl-d14              | 80.000 | 71.972 | 10.0 | 98    | 0.00     |
| 80   | Butylbenzylphthalate       | 40.000 | 35.054 | 12.4 | 97    | 0.00     |
| 81   | Benzo(a)anthracene         | 40.000 | 33.464 | 16.3 | 97    | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 34.529 | 13.7 | 96    | 0.00     |
| 83   | Chrysene                   | 40.000 | 35.875 | 10.3 | 97    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 34.727 | 13.2 | 98    | 0.00     |
| 85 c | Di-n-octyl phthalate       | 40.000 | 34.551 | 13.6 | 97    | 0.00     |
| 86   | Indeno(1,2,3-cd)pyrene     | 40.000 | 34.749 | 13.1 | 97    | -0.04    |
| 87 I | Perylene-d12               | 20.000 | 20.000 | 0.0  | 107   | -0.02    |

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|      | Compound               | Amount | Calc.  | %Dev | Area% | Dev(min) |
|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(b)fluoranthene   | 40.000 | 35.939 | 10.2 | 95    | -0.01    |
| 89   | Benzo(k)fluoranthene   | 40.000 | 36.731 | 8.2  | 101   | -0.02    |
| 90 C | Benzo(a)pyrene         | 40.000 | 36.008 | 10.0 | 97    | -0.01    |
| 91   | Dibenzo(a,h)anthracene | 40.000 | 35.584 | 11.0 | 98    | -0.03    |
| 92   | Benzo(q,h,i)perylene   | 40.000 | 35.182 | 12.0 | 97    | -0.03    |

(#) = Out of Range

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