

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG070920\  
 Data File : BG045987.D  
 Acq On : 9 Jul 2020 9:02  
 Operator : CG/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jul 09 11:10:57 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG070620.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jul 07 09:58:42 2020  
 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   | 108   | 0.00     |
| 2    | 1,4-Dioxane                  | 40.000 | 40.251 | -0.6  | 110   | 0.00     |
| 3    | Pyridine                     | 40.000 | 40.044 | -0.1  | 109   | 0.00     |
| 4    | n-Nitrosodimethylamine       | 40.000 | 41.966 | -4.9  | 110   | 0.00     |
| 5 S  | 2-Fluorophenol               | 80.000 | 76.129 | 4.8   | 107   | 0.00     |
| 6    | Aniline                      | 40.000 | 38.208 | 4.5   | 105   | 0.00     |
| 7 S  | Phenol-d6                    | 80.000 | 77.340 | 3.3   | 107   | 0.00     |
| 8    | 2-Chlorophenol               | 40.000 | 37.500 | 6.3   | 104   | 0.00     |
| 9    | Benzaldehyde                 | 40.000 | 36.813 | 8.0   | 115   | 0.00     |
| 10 C | Phenol                       | 40.000 | 38.786 | 3.0   | 108   | 0.00     |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 39.128 | 2.2   | 109   | 0.00     |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 38.377 | 4.1   | 107   | 0.00     |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 38.383 | 4.0   | 106   | 0.00     |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 38.153 | 4.6   | 105   | 0.00     |
| 15   | Benzyl Alcohol               | 40.000 | 37.416 | 6.5   | 102   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 39.311 | 1.7   | 108   | -0.01    |
| 17   | 2-Methylphenol               | 40.000 | 38.376 | 4.1   | 105   | 0.00     |
| 18   | Hexachloroethane             | 40.000 | 38.766 | 3.1   | 107   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 38.575 | 3.6   | 106   | 0.00     |
| 20   | 3+4-Methylphenols            | 40.000 | 38.477 | 3.8   | 104   | 0.00     |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0   | 108   | 0.00     |
| 22   | Acetophenone                 | 40.000 | 38.308 | 4.2   | 104   | 0.00     |
| 23 S | Nitrobenzene-d5              | 80.000 | 89.401 | -11.8 | 120   | 0.00     |
| 24   | Nitrobenzene                 | 40.000 | 44.529 | -11.3 | 117   | 0.00     |
| 25   | Isophorone                   | 40.000 | 38.848 | 2.9   | 104   | 0.00     |
| 26 C | 2-Nitrophenol                | 40.000 | 46.021 | -15.1 | 127   | 0.00     |
| 27   | 2,4-Dimethylphenol           | 40.000 | 37.361 | 6.6   | 100   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 39.182 | 2.0   | 105   | 0.00     |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 39.026 | 2.4   | 104   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 38.400 | 4.0   | 104   | 0.00     |
| 31   | Naphthalene                  | 40.000 | 38.714 | 3.2   | 106   | 0.00     |
| 32   | Benzoic acid                 | 40.000 | 40.179 | -0.4  | 114   | 0.00     |
| 33   | 4-Chloroaniline              | 40.000 | 37.946 | 5.1   | 102   | 0.00     |
| 34 C | Hexachlorobutadiene          | 40.000 | 38.627 | 3.4   | 106   | 0.00     |
| 35   | Caprolactam                  | 40.000 | 37.751 | 5.6   | 100   | -0.01    |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 38.714 | 3.2   | 103   | 0.00     |
| 37   | 2-Methylnaphthalene          | 40.000 | 38.865 | 2.8   | 104   | 0.00     |
| 38   | 1-Methylnaphthalene          | 40.000 | 38.558 | 3.6   | 104   | 0.00     |
| 39 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0   | 102   | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 39.720 | 0.7   | 105   | 0.00     |
| 41 P | Hexachlorocyclopentadiene    | 40.000 | 37.763 | 5.6   | 98    | 0.00     |
| 42 S | 2,4,6-Tribromophenol         | 80.000 | 79.376 | 0.8   | 100   | 0.00     |
| 43 C | 2,4,6-Trichlorophenol        | 40.000 | 39.703 | 0.7   | 103   | 0.00     |
| 44   | 2,4,5-Trichlorophenol        | 40.000 | 40.576 | -1.4  | 104   | 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 | 78.005 | 2.5   | 104   | 0.00     |
| 46   | 1,1'-Biphenyl              | 40.000 | 39.560 | 1.1   | 104   | 0.00     |
| 47   | 2-Chloronaphthalene        | 40.000 | 38.796 | 3.0   | 102   | 0.00     |
| 48   | 2-Nitroaniline             | 40.000 | 47.413 | -18.5 | 128   | 0.00     |
| 49   | Acenaphthylene             | 40.000 | 38.508 | 3.7   | 101   | 0.00     |
| 50   | Dimethylphthalate          | 40.000 | 37.990 | 5.0   | 99    | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 45.342 | -13.4 | 124   | 0.00     |
| 52 C | Acenaphthene               | 40.000 | 39.056 | 2.4   | 101   | 0.00     |
| 53   | 3-Nitroaniline             | 40.000 | 44.347 | -10.9 | 117   | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 41.810 | -4.5  | 114   | 0.00     |
| 55   | Dibenzofuran               | 40.000 | 38.636 | 3.4   | 102   | 0.00     |
| 56 P | 4-Nitrophenol              | 40.000 | 44.977 | -12.4 | 115   | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 46.110 | -15.3 | 125   | 0.00     |
| 58   | Fluorene                   | 40.000 | 37.549 | 6.1   | 98    | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 40.023 | -0.1  | 101   | 0.00     |
| 60   | Diethylphthalate           | 40.000 | 37.182 | 7.0   | 97    | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 38.180 | 4.6   | 101   | 0.00     |
| 62   | 4-Nitroaniline             | 40.000 | 46.450 | -16.1 | 115   | 0.00     |
| 63   | Azobenzene                 | 40.000 | 38.599 | 3.5   | 101   | 0.00     |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 102   | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 43.229 | -8.1  | 122   | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 38.548 | 3.6   | 98    | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 38.640 | 3.4   | 96    | 0.00     |
| 68   | Hexachlorobenzene          | 40.000 | 38.037 | 4.9   | 97    | 0.00     |
| 69   | Atrazine                   | 40.000 | 37.523 | 6.2   | 93    | 0.00     |
| 70 C | Pentachlorophenol          | 40.000 | 40.004 | -0.0  | 95    | 0.00     |
| 71   | Phenanthrene               | 40.000 | 38.505 | 3.7   | 98    | 0.00     |
| 72   | Anthracene                 | 40.000 | 38.043 | 4.9   | 97    | 0.00     |
| 73   | Carbazole                  | 40.000 | 37.811 | 5.5   | 96    | 0.00     |
| 74   | Di-n-butylphthalate        | 40.000 | 37.151 | 7.1   | 96    | 0.00     |
| 75 C | Fluoranthene               | 40.000 | 37.796 | 5.5   | 97    | 0.00     |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 97    | 0.00     |
| 77   | Benzidine                  | 40.000 | 43.912 | -9.8  | 106   | 0.00     |
| 78   | Pyrene                     | 40.000 | 40.339 | -0.8  | 98    | 0.00     |
| 79 S | Terphenyl-d14              | 80.000 | 77.618 | 3.0   | 97    | 0.00     |
| 80   | Butylbenzylphthalate       | 40.000 | 39.875 | 0.3   | 95    | -0.01    |
| 81   | Benzo(a)anthracene         | 40.000 | 38.345 | 4.1   | 95    | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 38.065 | 4.8   | 93    | 0.00     |
| 83   | Chrysene                   | 40.000 | 38.000 | 5.0   | 93    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 38.664 | 3.3   | 95    | 0.00     |
| 85 c | Di-n-octyl phthalate       | 40.000 | 38.120 | 4.7   | 93    | -0.01    |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 97    | -0.01    |
| 87   | Indeno(1,2,3-cd)pyrene     | 40.000 | 39.673 | 0.8   | 94    | -0.02    |

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|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(b)fluoranthene   | 40.000 | 40.055 | -0.1 | 96    | -0.01    |
| 89   | Benzo(k)fluoranthene   | 40.000 | 39.509 | 1.2  | 93    | 0.00     |
| 90 C | Benzo(a)pyrene         | 40.000 | 39.814 | 0.5  | 95    | -0.01    |
| 91   | Dibenzo(a,h)anthracene | 40.000 | 38.898 | 2.8  | 93    | -0.02    |
| 92   | Benzo(q,h,i)perylene   | 40.000 | 39.090 | 2.3  | 93    | -0.02    |

(#) = Out of Range

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