

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG042920\  
 Data File : BG045200.D  
 Acq On : 29 Apr 2020 11:41  
 Operator : CG/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Apr 29 12:29:22 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Apr 29 12:24:27 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    | 88    | 0.00     |
| 2    | 1,4-Dioxane                  | 40.000 | 42.579 | -6.4   | 94    | 0.00     |
| 3    | Pyridine                     | 40.000 | 39.379 | 1.6    | 90    | 0.00     |
| 4    | n-Nitrosodimethylamine       | 40.000 | 41.504 | -3.8   | 96    | 0.00     |
| 5 S  | 2-Fluorophenol               | 80.000 | 83.632 | -4.5   | 95    | 0.00     |
| 6    | Aniline                      | 40.000 | 39.715 | 0.7    | 88    | 0.00     |
| 7 S  | Phenol-d6                    | 80.000 | 82.292 | -2.9   | 92    | 0.00     |
| 8    | 2-Chlorophenol               | 40.000 | 41.602 | -4.0   | 93    | 0.00     |
| 9    | Benzaldehyde                 | 40.000 | 40.237 | -0.6   | 89    | 0.00     |
| 10 C | Phenol                       | 40.000 | 40.996 | -2.5   | 91    | 0.00     |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 38.713 | 3.2    | 87    | 0.00     |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 40.932 | -2.3   | 93    | 0.00     |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 41.298 | -3.2   | 93    | 0.00     |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 41.291 | -3.2   | 91    | 0.00     |
| 15   | Benzyl Alcohol               | 40.000 | 39.233 | 1.9    | 87    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 37.585 | 6.0    | 84    | 0.00     |
| 17   | 2-Methylphenol               | 40.000 | 40.079 | -0.2   | 91    | 0.00     |
| 18   | Hexachloroethane             | 40.000 | 42.883 | -7.2   | 95    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 39.740 | 0.6    | 88    | 0.00     |
| 20   | 3+4-Methylphenols            | 40.000 | 39.915 | 0.2    | 88    | 0.00     |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0    | 86    | 0.00     |
| 22   | Acetophenone                 | 40.000 | 39.223 | 1.9    | 88    | 0.00     |
| 23 S | Nitrobenzene-d5              | 80.000 | 79.798 | 0.3    | 90    | 0.00     |
| 24   | Nitrobenzene                 | 40.000 | 39.433 | 1.4    | 89    | 0.00     |
| 25   | Isophorone                   | 40.000 | 39.149 | 2.1    | 86    | 0.00     |
| 26 C | 2-Nitrophenol                | 40.000 | 41.637 | -4.1   | 93    | 0.00     |
| 27   | 2,4-Dimethylphenol           | 40.000 | 39.350 | 1.6    | 88    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 38.824 | 2.9    | 86    | 0.00     |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 41.390 | -3.5   | 92    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 42.253 | -5.6   | 95    | 0.00     |
| 31   | Naphthalene                  | 40.000 | 40.381 | -1.0   | 89    | 0.00     |
| 32   | Benzoic acid                 | 40.000 | 40.532 | -1.3   | 96    | 0.01     |
| 33   | 4-Chloroaniline              | 40.000 | 38.617 | 3.5    | 86    | 0.00     |
| 34 C | Hexachlorobutadiene          | 40.000 | 42.483 | -6.2   | 95    | 0.00     |
| 35   | Caprolactam                  | 40.000 | 38.018 | 5.0    | 84    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 41.727 | -4.3   | 94    | 0.00     |
| 37   | 2-Methylnaphthalene          | 40.000 | 41.026 | -2.6   | 90    | 0.00     |
| 38   | 1-Methylnaphthalene          | 40.000 | 40.734 | -1.8   | 90    | 0.00     |
| 39 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0    | 92    | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 39.217 | 2.0    | 92    | 0.00     |
| 41 P | Hexachlorocyclopentadiene    | 40.000 | 52.594 | -31.5# | 121   | 0.00     |
| 42 S | 2,4,6-Tribromophenol         | 80.000 | 81.269 | -1.6   | 96    | 0.00     |
| 43 C | 2,4,6-Trichlorophenol        | 40.000 | 40.633 | -1.6   | 95    | 0.00     |
| 44   | 2,4,5-Trichlorophenol        | 40.000 | 40.345 | -0.9   | 95    | 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 | 79.554 | 0.6   | 92    | 0.00     |
| 46   | 1,1'-Biphenyl              | 40.000 | 38.900 | 2.8   | 91    | 0.00     |
| 47   | 2-Chloronaphthalene        | 40.000 | 39.287 | 1.8   | 93    | 0.00     |
| 48   | 2-Nitroaniline             | 40.000 | 40.246 | -0.6  | 96    | 0.00     |
| 49   | Acenaphthylene             | 40.000 | 39.904 | 0.2   | 94    | 0.00     |
| 50   | Dimethylphthalate          | 40.000 | 38.813 | 3.0   | 91    | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 39.212 | 2.0   | 93    | 0.00     |
| 52 C | Acenaphthene               | 40.000 | 40.800 | -2.0  | 96    | 0.00     |
| 53   | 3-Nitroaniline             | 40.000 | 36.686 | 8.3   | 87    | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 48.581 | -21.5 | 117   | 0.00     |
| 55   | Dibenzofuran               | 40.000 | 39.524 | 1.2   | 93    | 0.00     |
| 56 P | 4-Nitrophenol              | 40.000 | 34.853 | 12.9  | 83    | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 38.946 | 2.6   | 94    | 0.00     |
| 58   | Fluorene                   | 40.000 | 40.260 | -0.6  | 95    | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 40.636 | -1.6  | 97    | 0.00     |
| 60   | Diethylphthalate           | 40.000 | 38.686 | 3.3   | 92    | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 40.247 | -0.6  | 96    | 0.00     |
| 62   | 4-Nitroaniline             | 40.000 | 36.174 | 9.6   | 86    | 0.00     |
| 63   | Azobenzene                 | 40.000 | 39.110 | 2.2   | 93    | 0.00     |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 92    | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 41.004 | -2.5  | 99    | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 39.591 | 1.0   | 92    | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 40.402 | -1.0  | 95    | 0.00     |
| 68   | Hexachlorobenzene          | 40.000 | 41.143 | -2.9  | 97    | 0.00     |
| 69   | Atrazine                   | 40.000 | 38.210 | 4.5   | 88    | 0.00     |
| 70 C | Pentachlorophenol          | 40.000 | 47.152 | -17.9 | 108   | 0.00     |
| 71   | Phenanthrene               | 40.000 | 39.623 | 0.9   | 93    | 0.00     |
| 72   | Anthracene                 | 40.000 | 40.112 | -0.3  | 94    | 0.00     |
| 73   | Carbazole                  | 40.000 | 37.444 | 6.4   | 91    | 0.00     |
| 74   | Di-n-butylphthalate        | 40.000 | 40.204 | -0.5  | 90    | 0.00     |
| 75 C | Fluoranthene               | 40.000 | 40.552 | -1.4  | 93    | 0.00     |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 88    | 0.00     |
| 77   | Benzidine                  | 40.000 | 39.664 | 0.8   | 83    | 0.00     |
| 78   | Pyrene                     | 40.000 | 40.159 | -0.4  | 92    | 0.00     |
| 79 S | Terphenyl-d14              | 80.000 | 87.358 | -9.2  | 94    | 0.00     |
| 80   | Butylbenzylphthalate       | 40.000 | 41.090 | -2.7  | 91    | 0.00     |
| 81   | Benzo(a)anthracene         | 40.000 | 40.689 | -1.7  | 91    | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 42.344 | -5.9  | 95    | 0.00     |
| 83   | Chrysene                   | 40.000 | 41.288 | -3.2  | 93    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 41.042 | -2.6  | 92    | 0.00     |
| 85 c | Di-n-octyl phthalate       | 40.000 | 41.008 | -2.5  | 92    | 0.00     |
| 86   | Indeno(1,2,3-cd)pyrene     | 40.000 | 40.774 | -1.9  | 93    | 0.00     |
| 87 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 90    | 0.00     |

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|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(b)fluoranthene   | 40.000 | 40.363 | -0.9 | 94    | 0.00     |
| 89   | Benzo(k)fluoranthene   | 40.000 | 40.364 | -0.9 | 92    | 0.00     |
| 90 C | Benzo(a)pyrene         | 40.000 | 39.776 | 0.6  | 92    | 0.00     |
| 91   | Dibenzo(a,h)anthracene | 40.000 | 40.344 | -0.9 | 94    | 0.00     |
| 92   | Benzo(q,h,i)perylene   | 40.000 | 39.991 | 0.0  | 93    | 0.00     |

(#) = Out of Range

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