

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG060220\  
 Data File : BG045571.D  
 Acq On : 2 Jun 2020 10:13  
 Operator : CG/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jun 02 11:01:42 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG051520.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 01 15:07:00 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                    | AvqRF | CCRF  | %Dev   | Area% | Dev(min) |
|------|-----------------------------|-------|-------|--------|-------|----------|
| 1 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0    | 104   | 0.00     |
| 2    | 1,4-Dioxane                 | 0.507 | 0.464 | 8.5    | 96    | 0.00     |
| 3    | Pyridine                    | 1.413 | 1.404 | 0.6    | 100   | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.462 | 0.484 | -4.8   | 107   | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.023 | 1.055 | -3.1   | 105   | 0.00     |
| 6    | Aniline                     | 1.901 | 1.995 | -4.9   | 109   | 0.00     |
| 7 S  | Phenol-d6                   | 1.457 | 1.555 | -6.7   | 108   | 0.00     |
| 8    | 2-Chlorophenol              | 1.122 | 1.178 | -5.0   | 108   | 0.00     |
| 9    | Benzaldehyde                | 0.949 | 0.918 | 3.3    | 97    | 0.00     |
| 10 C | Phenol                      | 1.501 | 1.616 | -7.7   | 109   | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.171 | 1.268 | -8.3   | 109   | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.349 | 1.395 | -3.4   | 107   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.331 | 1.388 | -4.3   | 107   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.280 | 1.337 | -4.5   | 109   | 0.00     |
| 15   | Benzyl Alcohol              | 1.203 | 1.302 | -8.2   | 110   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 1.111 | 1.166 | -5.0   | 109   | 0.00     |
| 17   | 2-Methylphenol              | 1.124 | 1.212 | -7.8   | 109   | 0.00     |
| 18   | Hexachloroethane            | 0.510 | 0.545 | -6.9   | 109   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 1.007 | 1.097 | -8.9   | 111   | 0.00     |
| 20   | 3+4-Methylphenols           | 1.530 | 1.644 | -7.5   | 109   | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0    | 105   | 0.00     |
| 22   | Acetophenone                | 0.474 | 0.491 | -3.6   | 108   | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.367 | 0.387 | -5.4   | 109   | 0.00     |
| 24   | Nitrobenzene                | 0.393 | 0.410 | -4.3   | 111   | 0.00     |
| 25   | Isophorone                  | 0.722 | 0.777 | -7.6   | 110   | 0.00     |
| 26 C | 2-Nitrophenol               | 0.168 | 0.184 | -9.5   | 114   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.249 | 0.267 | -7.2   | 110   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.379 | 0.407 | -7.4   | 113   | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.294 | 0.320 | -8.8   | 115   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.348 | 0.373 | -7.2   | 113   | 0.00     |
| 31   | Naphthalene                 | 0.932 | 0.983 | -5.5   | 110   | 0.00     |
| 32   | Benzoic acid                | 0.150 | 0.194 | -29.3# | 143   | 0.00     |
| 33   | 4-Chloroaniline             | 0.390 | 0.420 | -7.7   | 110   | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.246 | 0.262 | -6.5   | 112   | 0.00     |
| 35   | Caprolactam                 | 0.108 | 0.120 | -11.1  | 113   | 0.01     |
| 36 C | 4-Chloro-3-methylphenol     | 0.332 | 0.368 | -10.8  | 115   | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.695 | 0.739 | -6.3   | 110   | 0.00     |
| 38   | 1-Methylnaphthalene         | 0.656 | 0.692 | -5.5   | 109   | 0.00     |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0    | 110   | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.559 | 0.575 | -2.9   | 114   | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 0.322 | 0.365 | -13.4  | 124   | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 0.256 | 0.274 | -7.0   | 115   | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 0.388 | 0.411 | -5.9   | 115   | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 0.443 | 0.462 | -4.3   | 113   | 0.00     |

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 Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound                   | AvqRF | CCRF  | %Dev | Area% | Dev(min) |
|------|----------------------------|-------|-------|------|-------|----------|
| 45 S | 2-Fluorobiphenyl           | 1.179 | 1.212 | -2.8 | 110   | 0.00     |
| 46   | 1,1'-Biphenyl              | 1.229 | 1.257 | -2.3 | 112   | 0.00     |
| 47   | 2-Chloronaphthalene        | 0.998 | 1.018 | -2.0 | 113   | 0.00     |
| 48   | 2-Nitroaniline             | 0.328 | 0.349 | -6.4 | 112   | 0.00     |
| 49   | Acenaphthylene             | 1.603 | 1.646 | -2.7 | 112   | 0.00     |
| 50   | Dimethylphthalate          | 1.372 | 1.445 | -5.3 | 112   | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 0.310 | 0.330 | -6.5 | 114   | 0.00     |
| 52 C | Acenaphthene               | 1.073 | 1.112 | -3.6 | 111   | 0.00     |
| 53   | 3-Nitroaniline             | 0.315 | 0.341 | -8.3 | 118   | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 0.180 | 0.178 | 1.1  | 103   | 0.00     |
| 55   | Dibenzofuran               | 1.593 | 1.631 | -2.4 | 110   | 0.00     |
| 56 P | 4-Nitrophenol              | 0.238 | 0.246 | -3.4 | 107   | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 0.448 | 0.476 | -6.2 | 115   | 0.00     |
| 58   | Fluorene                   | 1.309 | 1.373 | -4.9 | 113   | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.390 | 0.410 | -5.1 | 113   | 0.00     |
| 60   | Diethylphthalate           | 1.428 | 1.495 | -4.7 | 112   | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 0.749 | 0.800 | -6.8 | 115   | 0.00     |
| 62   | 4-Nitroaniline             | 0.329 | 0.350 | -6.4 | 113   | 0.00     |
| 63   | Azobenzene                 | 1.332 | 1.397 | -4.9 | 113   | 0.00     |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0  | 108   | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 0.116 | 0.121 | -4.3 | 109   | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 0.480 | 0.492 | -2.5 | 112   | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 0.217 | 0.227 | -4.6 | 113   | 0.00     |
| 68   | Hexachlorobenzene          | 0.227 | 0.237 | -4.4 | 113   | 0.00     |
| 69   | Atrazine                   | 0.198 | 0.201 | -1.5 | 108   | 0.00     |
| 70 C | Pentachlorophenol          | 0.118 | 0.122 | -3.4 | 109   | 0.00     |
| 71   | Phenanthrene               | 0.873 | 0.903 | -3.4 | 110   | 0.00     |
| 72   | Anthracene                 | 0.877 | 0.912 | -4.0 | 111   | 0.00     |
| 73   | Carbazole                  | 0.855 | 0.900 | -5.3 | 111   | 0.00     |
| 74   | Di-n-butylphthalate        | 1.026 | 1.070 | -4.3 | 108   | 0.00     |
| 75 C | Fluoranthene               | 1.111 | 1.120 | -0.8 | 105   | 0.00     |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0  | 98    | 0.00     |
| 77   | Benzidine                  | 0.562 | 0.516 | 8.2  | 87    | 0.00     |
| 78   | Pyrene                     | 1.140 | 1.242 | -8.9 | 104   | 0.00     |
| 79 S | Terphenyl-d14              | 0.858 | 0.931 | -8.5 | 103   | 0.00     |
| 80   | Butylbenzylphthalate       | 0.492 | 0.525 | -6.7 | 101   | 0.00     |
| 81   | Benzo(a)anthracene         | 1.114 | 1.171 | -5.1 | 103   | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 0.437 | 0.459 | -5.0 | 102   | 0.00     |
| 83   | Chrysene                   | 1.071 | 1.131 | -5.6 | 101   | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 0.676 | 0.713 | -5.5 | 102   | 0.00     |
| 85 c | Di-n-octyl phthalate       | 1.162 | 1.197 | -3.0 | 101   | 0.00     |
| 86   | Indeno(1,2,3-cd)pyrene     | 1.401 | 1.425 | -1.7 | 101   | 0.02     |
| 87 I | Perylene-d12               | 1.000 | 1.000 | 0.0  | 97    | 0.00     |

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|      | Compound               | AvgRF | CCRF  | %Dev | Area% | Dev(min) |
|------|------------------------|-------|-------|------|-------|----------|
| 88   | Benzo(b)fluoranthene   | 1.073 | 1.124 | -4.8 | 99    | 0.00     |
| 89   | Benzo(k)fluoranthene   | 1.008 | 1.082 | -7.3 | 103   | 0.00     |
| 90 C | Benzo(a)pyrene         | 0.999 | 1.053 | -5.4 | 101   | 0.00     |
| 91   | Dibenzo(a,h)anthracene | 1.004 | 1.074 | -7.0 | 104   | 0.00     |
| 92   | Benzo(q,h,i)perylene   | 1.004 | 1.059 | -5.5 | 102   | 0.01     |

(#) = Out of Range

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