

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061219\  
 Data File : BG041210.D  
 Acq On : 12 Jun 2019 17:34  
 Operator : HP/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jun 13 14:26:58 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG052919.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sun Jun 09 23:08:34 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                    | AvqRF | CCRF  | %Dev | Area% | Dev(min) |
|------|-----------------------------|-------|-------|------|-------|----------|
| 1 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0  | 76    | 0.00     |
| 2    | 1,4-Dioxane                 | 0.503 | 0.468 | 7.0  | 71    | 0.00     |
| 3    | Pyridine                    | 1.489 | 1.404 | 5.7  | 71    | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.691 | 0.702 | -1.6 | 76    | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.109 | 1.118 | -0.8 | 75    | 0.00     |
| 6    | Aniline                     | 2.286 | 2.251 | 1.5  | 75    | 0.00     |
| 7 S  | Phenol-d6                   | 1.713 | 1.725 | -0.7 | 76    | 0.00     |
| 8    | 2-Chlorophenol              | 1.322 | 1.311 | 0.8  | 76    | 0.00     |
| 9    | Benzaldehyde                | 1.022 | 1.058 | -3.5 | 78    | 0.00     |
| 10 C | Phenol                      | 1.837 | 1.844 | -0.4 | 76    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.332 | 1.300 | 2.4  | 73    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.579 | 1.633 | -3.4 | 78    | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.599 | 1.641 | -2.6 | 76    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.552 | 1.591 | -2.5 | 77    | 0.00     |
| 15   | Benzyl Alcohol              | 1.585 | 1.554 | 2.0  | 75    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 2.177 | 2.023 | 7.1  | 71    | 0.00     |
| 17   | 2-Methylphenol              | 1.330 | 1.300 | 2.3  | 74    | 0.00     |
| 18   | Hexachloroethane            | 0.616 | 0.637 | -3.4 | 79    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 1.318 | 1.233 | 6.4  | 71    | 0.00     |
| 20   | 3+4-Methylphenols           | 1.842 | 1.792 | 2.7  | 75    | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0  | 75    | 0.00     |
| 22   | Acetophenone                | 0.561 | 0.559 | 0.4  | 73    | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.451 | 0.470 | -4.2 | 78    | 0.00     |
| 24   | Nitrobenzene                | 0.459 | 0.474 | -3.3 | 76    | 0.00     |
| 25   | Isophorone                  | 0.857 | 0.827 | 3.5  | 71    | 0.00     |
| 26 C | 2-Nitrophenol               | 0.189 | 0.206 | -9.0 | 79    | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.313 | 0.303 | 3.2  | 71    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.463 | 0.445 | 3.9  | 71    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.397 | 0.401 | -1.0 | 74    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.452 | 0.471 | -4.2 | 76    | 0.00     |
| 31   | Naphthalene                 | 1.074 | 1.112 | -3.5 | 76    | 0.00     |
| 32   | Benzoic acid                | 0.223 | 0.211 | 5.4  | 69    | 0.00     |
| 33   | 4-Chloroaniline             | 0.498 | 0.504 | -1.2 | 75    | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.346 | 0.362 | -4.6 | 79    | 0.00     |
| 35   | Caprolactam                 | 0.131 | 0.123 | 6.1  | 69    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.453 | 0.445 | 1.8  | 72    | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.827 | 0.840 | -1.6 | 75    | 0.00     |
| 38   | 1-Methylnaphthalene         | 0.779 | 0.784 | -0.6 | 74    | 0.00     |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0  | 75    | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.806 | 0.830 | -3.0 | 76    | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 0.361 | 0.376 | -4.2 | 77    | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 0.297 | 0.290 | 2.4  | 72    | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 0.521 | 0.524 | -0.6 | 73    | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 0.550 | 0.533 | 3.1  | 72    | 0.00     |

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|      | Compound                   | AvqRF | CCRF  | %Dev | Area% | Dev(min) |
|------|----------------------------|-------|-------|------|-------|----------|
| 45 S | 2-Fluorobiphenyl           | 1.389 | 1.442 | -3.8 | 76    | 0.00     |
| 46   | 1,1'-Biphenyl              | 1.480 | 1.494 | -0.9 | 73    | 0.00     |
| 47   | 2-Chloronaphthalene        | 1.271 | 1.300 | -2.3 | 75    | 0.00     |
| 48   | 2-Nitroaniline             | 0.456 | 0.466 | -2.2 | 75    | 0.00     |
| 49   | Acenaphthylene             | 1.913 | 1.917 | -0.2 | 72    | 0.00     |
| 50   | Dimethylphthalate          | 1.693 | 1.646 | 2.8  | 70    | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 0.365 | 0.354 | 3.0  | 71    | 0.00     |
| 52 C | Acenaphthene               | 1.159 | 1.145 | 1.2  | 72    | 0.00     |
| 53   | 3-Nitroaniline             | 0.365 | 0.357 | 2.2  | 70    | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 0.142 | 0.125 | 12.0 | 69    | 0.00     |
| 55   | Dibenzofuran               | 1.950 | 1.978 | -1.4 | 73    | 0.00     |
| 56 P | 4-Nitrophenol              | 0.250 | 0.230 | 8.0  | 66    | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 0.516 | 0.512 | 0.8  | 72    | 0.00     |
| 58   | Fluorene                   | 1.553 | 1.538 | 1.0  | 72    | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.540 | 0.543 | -0.6 | 73    | 0.00     |
| 60   | Diethylphthalate           | 1.728 | 1.681 | 2.7  | 71    | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 1.009 | 1.000 | 0.9  | 73    | 0.00     |
| 62   | 4-Nitroaniline             | 0.386 | 0.372 | 3.6  | 71    | 0.00     |
| 63   | Azobenzene                 | 1.570 | 1.528 | 2.7  | 70    | 0.00     |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0  | 72    | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 0.096 | 0.104 | -8.3 | 76    | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 0.562 | 0.571 | -1.6 | 71    | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 0.270 | 0.271 | -0.4 | 70    | 0.00     |
| 68   | Hexachlorobenzene          | 0.287 | 0.286 | 0.3  | 70    | 0.00     |
| 69   | Atrazine                   | 0.217 | 0.218 | -0.5 | 65    | 0.00     |
| 70 C | Pentachlorophenol          | 0.139 | 0.142 | -2.2 | 68    | 0.00     |
| 71   | Phenanthrene               | 1.042 | 1.069 | -2.6 | 71    | 0.00     |
| 72   | Anthracene                 | 1.027 | 1.058 | -3.0 | 71    | 0.00     |
| 73   | Carbazole                  | 0.882 | 0.918 | -4.1 | 72    | 0.00     |
| 74   | Di-n-butylphthalate        | 1.096 | 1.128 | -2.9 | 70    | 0.00     |
| 75 C | Fluoranthene               | 1.287 | 1.383 | -7.5 | 74    | 0.00     |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0  | 73    | 0.00     |
| 77   | Benzidine                  | 0.477 | 0.402 | 15.7 | 58    | 0.00     |
| 78   | Pyrene                     | 1.300 | 1.367 | -5.2 | 74    | 0.00     |
| 79 S | Terphenyl-d14              | 0.942 | 1.018 | -8.1 | 75    | 0.00     |
| 80   | Butylbenzylphthalate       | 0.506 | 0.527 | -4.2 | 74    | 0.00     |
| 81   | Benzo(a)anthracene         | 1.331 | 1.353 | -1.7 | 73    | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 0.468 | 0.456 | 2.6  | 71    | 0.00     |
| 83   | Chrysene                   | 1.274 | 1.311 | -2.9 | 73    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 0.712 | 0.718 | -0.8 | 72    | 0.00     |
| 85 c | Di-n-octyl phthalate       | 1.186 | 1.205 | -1.6 | 72    | 0.00     |
| 86   | Indeno(1,2,3-cd)pyrene     | 1.561 | 1.292 | 17.2 | 61    | 0.00     |
| 87 I | Perylene-d12               | 1.000 | 1.000 | 0.0  | 70    | 0.00     |

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|------|------------------------|-------|-------|------|-------|----------|
| 88   | Benzo(b)fluoranthene   | 1.213 | 1.236 | -1.9 | 70    | 0.00     |
| 89   | Benzo(k)fluoranthene   | 1.200 | 1.281 | -6.7 | 73    | 0.00     |
| 90 C | Benzo(a)pyrene         | 1.157 | 1.164 | -0.6 | 69    | 0.00     |
| 91   | Dibenzo(a,h)anthracene | 1.156 | 0.928 | 19.7 | 55    | 0.00     |
| 92   | Benzo(q,h,i)perylene   | 1.124 | 0.922 | 18.0 | 57    | 0.00     |

(#) = Out of Range

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