

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG070319\  
 Data File : BG041591.D  
 Acq On : 3 Jul 2019 15:54  
 Operator : HP/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jul 04 00:28:16 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG062619.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jun 27 13:25:55 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  | 88    | 0.00     |
| 2    | 1,4-Dioxane                 | 0.508 | 0.505 | 0.6  | 82    | 0.00     |
| 3    | Pyridine                    | 1.288 | 1.304 | -1.2 | 87    | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.717 | 0.715 | 0.3  | 86    | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.122 | 1.119 | 0.3  | 86    | 0.00     |
| 6    | Aniline                     | 2.036 | 2.016 | 1.0  | 86    | 0.00     |
| 7 S  | Phenol-d6                   | 1.579 | 1.585 | -0.4 | 88    | 0.00     |
| 8    | 2-Chlorophenol              | 1.258 | 1.294 | -2.9 | 88    | 0.00     |
| 9    | Benzaldehyde                | 0.954 | 0.897 | 6.0  | 84    | 0.00     |
| 10 C | Phenol                      | 1.592 | 1.585 | 0.4  | 87    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.262 | 1.247 | 1.2  | 88    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.627 | 1.655 | -1.7 | 88    | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.641 | 1.656 | -0.9 | 89    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.571 | 1.575 | -0.3 | 86    | 0.00     |
| 15   | Benzyl Alcohol              | 1.258 | 1.271 | -1.0 | 87    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 1.772 | 1.536 | 13.3 | 75    | 0.00     |
| 17   | 2-Methylphenol              | 1.159 | 1.150 | 0.8  | 86    | 0.00     |
| 18   | Hexachloroethane            | 0.647 | 0.637 | 1.5  | 86    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 1.178 | 1.130 | 4.1  | 85    | 0.00     |
| 20   | 3+4-Methylphenols           | 1.544 | 1.514 | 1.9  | 85    | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0  | 91    | 0.00     |
| 22   | Acetophenone                | 0.600 | 0.599 | 0.2  | 89    | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.480 | 0.472 | 1.7  | 87    | 0.00     |
| 24   | Nitrobenzene                | 0.481 | 0.467 | 2.9  | 88    | 0.00     |
| 25   | Isophorone                  | 0.861 | 0.826 | 4.1  | 86    | 0.00     |
| 26 C | 2-Nitrophenol               | 0.201 | 0.194 | 3.5  | 87    | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.280 | 0.274 | 2.1  | 84    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.455 | 0.433 | 4.8  | 86    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.378 | 0.384 | -1.6 | 89    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.484 | 0.487 | -0.6 | 90    | 0.00     |
| 31   | Naphthalene                 | 1.106 | 1.093 | 1.2  | 89    | 0.00     |
| 32   | Benzoic acid                | 0.154 | 0.132 | 14.3 | 83    | 0.00     |
| 33   | 4-Chloroaniline             | 0.466 | 0.449 | 3.6  | 85    | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.384 | 0.385 | -0.3 | 90    | 0.00     |
| 35   | Caprolactam                 | 0.118 | 0.121 | -2.5 | 91    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.409 | 0.407 | 0.5  | 91    | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.817 | 0.799 | 2.2  | 87    | 0.00     |
| 38   | 1-Methylnaphthalene         | 0.780 | 0.768 | 1.5  | 89    | 0.00     |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0  | 97    | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.881 | 0.866 | 1.7  | 92    | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 0.436 | 0.383 | 12.2 | 78    | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 0.341 | 0.344 | -0.9 | 94    | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 0.523 | 0.492 | 5.9  | 87    | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 0.521 | 0.491 | 5.8  | 91    | 0.00     |

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|      | Compound                   | AvqRF | CCRF  | %Dev | Area% | Dev(min) |
|------|----------------------------|-------|-------|------|-------|----------|
| 45 S | 2-Fluorobiphenyl           | 1.559 | 1.507 | 3.3  | 90    | 0.00     |
| 46   | 1,1'-Biphenyl              | 1.579 | 1.505 | 4.7  | 89    | 0.00     |
| 47   | 2-Chloronaphthalene        | 1.355 | 1.297 | 4.3  | 90    | 0.00     |
| 48   | 2-Nitroaniline             | 0.459 | 0.423 | 7.8  | 86    | 0.00     |
| 49   | Acenaphthylene             | 2.026 | 1.956 | 3.5  | 91    | 0.00     |
| 50   | Dimethylphthalate          | 1.820 | 1.748 | 4.0  | 91    | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 0.386 | 0.364 | 5.7  | 90    | 0.00     |
| 52 C | Acenaphthene               | 1.201 | 1.159 | 3.5  | 91    | 0.00     |
| 53   | 3-Nitroaniline             | 0.369 | 0.357 | 3.3  | 90    | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 0.208 | 0.182 | 12.5 | 85    | 0.00     |
| 55   | Dibenzofuran               | 2.092 | 2.063 | 1.4  | 92    | 0.00     |
| 56 P | 4-Nitrophenol              | 0.238 | 0.223 | 6.3  | 85    | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 0.560 | 0.541 | 3.4  | 90    | 0.00     |
| 58   | Fluorene                   | 1.664 | 1.636 | 1.7  | 92    | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.549 | 0.574 | -4.6 | 96    | 0.00     |
| 60   | Diethylphthalate           | 1.863 | 1.807 | 3.0  | 91    | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 1.073 | 1.084 | -1.0 | 95    | 0.00     |
| 62   | 4-Nitroaniline             | 0.359 | 0.353 | 1.7  | 91    | 0.00     |
| 63   | Azobenzene                 | 1.571 | 1.527 | 2.8  | 92    | 0.00     |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0  | 101   | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 0.124 | 0.113 | 8.9  | 88    | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 0.550 | 0.526 | 4.4  | 94    | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 0.273 | 0.267 | 2.2  | 98    | 0.00     |
| 68   | Hexachlorobenzene          | 0.294 | 0.294 | 0.0  | 99    | 0.00     |
| 69   | Atrazine                   | 0.233 | 0.208 | 10.7 | 91    | 0.00     |
| 70 C | Pentachlorophenol          | 0.133 | 0.118 | 11.3 | 85    | 0.00     |
| 71   | Phenanthrene               | 1.102 | 1.072 | 2.7  | 95    | 0.00     |
| 72   | Anthracene                 | 1.103 | 1.070 | 3.0  | 95    | 0.00     |
| 73   | Carbazole                  | 0.937 | 0.923 | 1.5  | 96    | 0.00     |
| 74   | Di-n-butylphthalate        | 1.178 | 1.128 | 4.2  | 92    | 0.00     |
| 75 C | Fluoranthene               | 1.469 | 1.454 | 1.0  | 95    | 0.00     |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0  | 102   | 0.00     |
| 77   | Benzidine                  | 0.444 | 0.424 | 4.5  | 82    | 0.00     |
| 78   | Pyrene                     | 1.365 | 1.325 | 2.9  | 95    | 0.00     |
| 79 S | Terphenyl-d14              | 0.941 | 0.926 | 1.6  | 96    | 0.00     |
| 80   | Butylbenzylphthalate       | 0.510 | 0.451 | 11.6 | 87    | 0.00     |
| 81   | Benzo(a)anthracene         | 1.390 | 1.347 | 3.1  | 95    | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 0.481 | 0.473 | 1.7  | 95    | 0.00     |
| 83   | Chrysene                   | 1.346 | 1.306 | 3.0  | 97    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 0.723 | 0.647 | 10.5 | 89    | 0.00     |
| 85 c | Di-n-octyl phthalate       | 1.223 | 1.118 | 8.6  | 90    | 0.00     |
| 86   | Indeno(1,2,3-cd)pyrene     | 1.630 | 1.601 | 1.8  | 97    | 0.00     |
| 87 I | Perylene-d12               | 1.000 | 1.000 | 0.0  | 101   | 0.00     |

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|------|------------------------|-------|-------|------|-------|----------|
| 88   | Benzo(b)fluoranthene   | 1.276 | 1.265 | 0.9  | 96    | 0.00     |
| 89   | Benzo(k)fluoranthene   | 1.252 | 1.226 | 2.1  | 97    | 0.00     |
| 90 C | Benzo(a)pyrene         | 1.212 | 1.185 | 2.2  | 97    | 0.00     |
| 91   | Dibenzo(a,h)anthracene | 1.214 | 1.198 | 1.3  | 97    | 0.00     |
| 92   | Benzo(q,h,i)perylene   | 1.207 | 1.186 | 1.7  | 98    | 0.00     |

(#) = Out of Range

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