

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG100518\  
 Data File : BG037175.D  
 Acq On : 5 Oct 2018 5:26  
 Operator : JU/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Oct 05 08:47:03 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092018.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Sep 24 10:41:23 2018  
 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   | 99    | -0.01    |
| 2    | 1,4-Dioxane                 | 0.477 | 0.578 | -21.2 | 112   | -0.01    |
| 3    | Pyridine                    | 1.378 | 1.586 | -15.1 | 109   | -0.02    |
| 4    | n-Nitrosodimethylamine      | 0.612 | 0.715 | -16.8 | 113   | -0.01    |
| 5 S  | 2-Fluorophenol              | 1.043 | 1.142 | -9.5  | 105   | -0.02    |
| 6    | Aniline                     | 2.094 | 2.133 | -1.9  | 99    | -0.02    |
| 7 S  | Phenol-d6                   | 1.613 | 1.768 | -9.6  | 105   | -0.02    |
| 8    | 2-Chlorophenol              | 1.211 | 1.313 | -8.4  | 104   | -0.02    |
| 9    | Benzaldehyde                | 1.066 | 1.084 | -1.7  | 99    | -0.02    |
| 10 C | Phenol                      | 1.665 | 1.880 | -12.9 | 109   | -0.02    |
| 11   | bis(2-Chloroethyl)ether     | 1.540 | 1.514 | 1.7   | 101   | -0.02    |
| 12   | 1,3-Dichlorobenzene         | 1.485 | 1.501 | -1.1  | 98    | -0.02    |
| 13 C | 1,4-Dichlorobenzene         | 1.519 | 1.521 | -0.1  | 99    | -0.02    |
| 14   | 1,2-Dichlorobenzene         | 1.472 | 1.461 | 0.7   | 99    | -0.02    |
| 15   | Benzyl Alcohol              | 1.309 | 1.325 | -1.2  | 98    | -0.02    |
| 16   | 2,2'-oxybis(1-Chloropropane | 2.957 | 3.122 | -5.6  | 102   | -0.02    |
| 17   | 2-Methylphenol              | 1.160 | 1.225 | -5.6  | 104   | -0.02    |
| 18   | Hexachloroethane            | 0.559 | 0.593 | -6.1  | 103   | -0.02    |
| 19 P | n-Nitroso-di-n-propylamine  | 1.342 | 1.358 | -1.2  | 99    | -0.02    |
| 20   | 3+4-Methylphenols           | 1.614 | 1.755 | -8.7  | 105   | -0.02    |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0   | 97    | -0.02    |
| 22   | Acetophenone                | 0.470 | 0.491 | -4.5  | 103   | -0.02    |
| 23 S | Nitrobenzene-d5             | 0.373 | 0.399 | -7.0  | 102   | -0.02    |
| 24   | Nitrobenzene                | 0.399 | 0.408 | -2.3  | 99    | -0.01    |
| 25   | Isophorone                  | 0.682 | 0.725 | -6.3  | 103   | -0.02    |
| 26 C | 2-Nitrophenol               | 0.159 | 0.178 | -11.9 | 105   | -0.01    |
| 27   | 2,4-Dimethylphenol          | 0.248 | 0.259 | -4.4  | 100   | -0.02    |
| 28   | bis(2-Chloroethoxy)methane  | 0.421 | 0.429 | -1.9  | 98    | -0.02    |
| 29 C | 2,4-Dichlorophenol          | 0.287 | 0.318 | -10.8 | 103   | -0.02    |
| 30   | 1,2,4-Trichlorobenzene      | 0.359 | 0.350 | 2.5   | 94    | -0.02    |
| 31   | Naphthalene                 | 0.952 | 0.953 | -0.1  | 98    | -0.02    |
| 32   | Benzoic acid                | 0.175 | 0.163 | 6.9   | 90    | -0.01    |
| 33   | 4-Chloroaniline             | 0.433 | 0.437 | -0.9  | 98    | -0.02    |
| 34 C | Hexachlorobutadiene         | 0.248 | 0.239 | 3.6   | 93    | -0.02    |
| 35   | Caprolactam                 | 0.118 | 0.125 | -5.9  | 100   | -0.01    |
| 36 C | 4-Chloro-3-methylphenol     | 0.343 | 0.404 | -17.8 | 109   | -0.02    |
| 37   | 2-Methylnaphthalene         | 0.725 | 0.716 | 1.2   | 97    | -0.02    |
| 38 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0   | 98    | -0.02    |
| 39   | 1,2,4,5-Tetrachlorobenzene  | 0.698 | 0.667 | 4.4   | 93    | -0.02    |
| 40 P | Hexachlorocyclopentadiene   | 0.359 | 0.291 | 18.9  | 75    | -0.02    |
| 41 S | 2,4,6-Tribromophenol        | 0.239 | 0.239 | 0.0   | 95    | -0.02    |
| 42 C | 2,4,6-Trichlorophenol       | 0.387 | 0.419 | -8.3  | 102   | -0.02    |
| 43   | 2,4,5-Trichlorophenol       | 0.413 | 0.460 | -11.4 | 103   | -0.01    |
| 44 S | 2-Fluorobiphenyl            | 1.343 | 1.327 | 1.2   | 96    | -0.02    |

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

|      | Compound                   | AvqRF | CCRF  | %Dev  | Area% | Dev(min) |
|------|----------------------------|-------|-------|-------|-------|----------|
| 45   | 1,1'-Biphenyl              | 1.532 | 1.525 | 0.5   | 98    | -0.02    |
| 46   | 2-Chloronaphthalene        | 1.205 | 1.192 | 1.1   | 97    | -0.02    |
| 47   | 2-Nitroaniline             | 0.417 | 0.464 | -11.3 | 104   | -0.02    |
| 48   | Acenaphthylene             | 1.888 | 1.908 | -1.1  | 99    | -0.02    |
| 49   | Dimethylphthalate          | 1.610 | 1.602 | 0.5   | 97    | -0.02    |
| 50   | 2,6-Dinitrotoluene         | 0.351 | 0.359 | -2.3  | 99    | -0.01    |
| 51 C | Acenaphthene               | 1.141 | 1.130 | 1.0   | 97    | -0.02    |
| 52   | 3-Nitroaniline             | 0.370 | 0.379 | -2.4  | 97    | -0.01    |
| 53 P | 2,4-Dinitrophenol          | 0.136 | 0.143 | -5.1  | 99    | -0.01    |
| 54   | Dibenzofuran               | 1.930 | 1.935 | -0.3  | 97    | -0.02    |
| 55 P | 4-Nitrophenol              | 0.236 | 0.292 | -23.7 | 115   | -0.02    |
| 56   | 2,4-Dinitrotoluene         | 0.490 | 0.502 | -2.4  | 98    | -0.01    |
| 57   | Fluorene                   | 1.442 | 1.440 | 0.1   | 98    | -0.02    |
| 58   | 2,3,4,6-Tetrachlorophenol  | 0.419 | 0.444 | -6.0  | 99    | -0.01    |
| 59   | Diethylphthalate           | 1.624 | 1.642 | -1.1  | 99    | -0.01    |
| 60   | 4-Chlorophenyl-phenylether | 0.913 | 0.874 | 4.3   | 93    | -0.02    |
| 61   | 4-Nitroaniline             | 0.389 | 0.383 | 1.5   | 94    | -0.02    |
| 62   | Azobenzene                 | 1.560 | 1.662 | -6.5  | 104   | -0.01    |
| 63 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0   | 97    | -0.02    |
| 64   | 4,6-Dinitro-2-methylphenol | 0.105 | 0.108 | -2.9  | 99    | -0.01    |
| 65 c | n-Nitrosodiphenylamine     | 0.552 | 0.566 | -2.5  | 98    | -0.01    |
| 66   | 4-Bromophenyl-phenylether  | 0.227 | 0.219 | 3.5   | 91    | -0.02    |
| 67   | Hexachlorobenzene          | 0.234 | 0.226 | 3.4   | 92    | -0.02    |
| 68   | Atrazine                   | 0.224 | 0.213 | 4.9   | 89    | -0.02    |
| 69 C | Pentachlorophenol          | 0.148 | 0.139 | 6.1   | 87    | -0.02    |
| 70   | Phenanthrene               | 0.964 | 0.962 | 0.2   | 96    | -0.02    |
| 71   | Anthracene                 | 0.953 | 0.972 | -2.0  | 98    | -0.02    |
| 72   | Carbazole                  | 0.929 | 0.948 | -2.0  | 97    | -0.02    |
| 73   | Di-n-butylphthalate        | 1.032 | 1.077 | -4.4  | 99    | -0.02    |
| 74 C | Fluoranthene               | 1.160 | 1.149 | 0.9   | 95    | -0.02    |
| 75 I | Chrysene-d12               | 1.000 | 1.000 | 0.0   | 99    | -0.02    |
| 76   | Benzidine                  | 0.605 | 0.728 | -20.3 | 120   | -0.02    |
| 77   | Pyrene                     | 1.200 | 1.163 | 3.1   | 95    | -0.02    |
| 78 S | Terphenyl-d14              | 0.761 | 0.727 | 4.5   | 95    | -0.02    |
| 79   | Butylbenzylphthalate       | 0.478 | 0.503 | -5.2  | 104   | -0.02    |
| 80   | Benzo(a)anthracene         | 1.167 | 1.132 | 3.0   | 98    | -0.02    |
| 81   | 3,3'-Dichlorobenzidine     | 0.444 | 0.444 | 0.0   | 96    | -0.02    |
| 82   | Chrysene                   | 1.128 | 1.103 | 2.2   | 98    | -0.02    |
| 83   | Bis(2-ethylhexyl)phthalate | 0.668 | 0.697 | -4.3  | 105   | -0.02    |
| 84 c | Di-n-octyl phthalate       | 1.100 | 1.172 | -6.5  | 105   | -0.03    |
| 85   | Indeno(1,2,3-cd)pyrene     | 1.211 | 1.229 | -1.5  | 98    | -0.05    |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0   | 100   | -0.03    |
| 87   | Benzo(b)fluoranthene       | 1.066 | 1.022 | 4.1   | 94    | -0.03    |

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| 88   | Benzo(k)fluoranthene   | 1.069 | 1.081 | -1.1 | 102   | -0.03    |
| 89 C | Benzo(a)pyrene         | 1.030 | 1.028 | 0.2  | 99    | -0.03    |
| 90   | Dibenzo(a,h)anthracene | 0.966 | 0.971 | -0.5 | 99    | -0.06    |
| 91   | Benzo(a,h,i)perylene   | 0.969 | 0.979 | -1.0 | 98    | -0.06    |

(#) = Out of Range

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