

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG072418\  
 Data File : BG035858.D  
 Acq On : 24 Jul 2018 22:33  
 Operator : JU/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jul 25 03:20:16 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071218.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jul 24 14:48:00 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  | 106   | 0.00     |
| 2    | 1,4-Dioxane                 | 0.613 | 0.555 | 9.5  | 103   | 0.00     |
| 3    | Pyridine                    | 1.601 | 1.524 | 4.8  | 97    | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.687 | 0.605 | 11.9 | 94    | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.205 | 1.177 | 2.3  | 102   | 0.00     |
| 6    | Aniline                     | 2.330 | 2.158 | 7.4  | 98    | 0.00     |
| 7 S  | Phenol-d6                   | 1.797 | 1.762 | 1.9  | 103   | 0.00     |
| 8    | 2-Chlorophenol              | 1.225 | 1.239 | -1.1 | 106   | 0.00     |
| 9    | Benzaldehyde                | 1.103 | 0.961 | 12.9 | 90    | 0.00     |
| 10 C | Phenol                      | 1.816 | 1.803 | 0.7  | 103   | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.422 | 1.372 | 3.5  | 102   | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.480 | 1.409 | 4.8  | 102   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.503 | 1.509 | -0.4 | 107   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.444 | 1.407 | 2.6  | 104   | 0.00     |
| 15   | Benzyl Alcohol              | 1.632 | 1.487 | 8.9  | 96    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 1.192 | 1.044 | 12.4 | 93    | 0.00     |
| 17   | 2-Methylphenol              | 1.235 | 1.178 | 4.6  | 98    | 0.00     |
| 18   | Hexachloroethane            | 0.575 | 0.553 | 3.8  | 104   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 1.513 | 1.307 | 13.6 | 93    | 0.00     |
| 20   | 3+4-Methylphenols           | 1.713 | 1.677 | 2.1  | 99    | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0  | 98    | 0.00     |
| 22   | Acetophenone                | 0.622 | 0.585 | 5.9  | 96    | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.479 | 0.463 | 3.3  | 96    | 0.00     |
| 24   | Nitrobenzene                | 0.481 | 0.452 | 6.0  | 95    | 0.00     |
| 25   | Isophorone                  | 0.889 | 0.817 | 8.1  | 92    | 0.00     |
| 26 C | 2-Nitrophenol               | 0.171 | 0.185 | -8.2 | 105   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.289 | 0.281 | 2.8  | 96    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.490 | 0.470 | 4.1  | 96    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.330 | 0.356 | -7.9 | 104   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.405 | 0.419 | -3.5 | 104   | 0.00     |
| 31   | Naphthalene                 | 1.042 | 1.018 | 2.3  | 101   | 0.00     |
| 32   | Benzoic acid                | 0.195 | 0.160 | 17.9 | 81    | 0.00     |
| 33   | 4-Chloroaniline             | 0.454 | 0.446 | 1.8  | 100   | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.316 | 0.323 | -2.2 | 104   | 0.00     |
| 35   | Caprolactam                 | 0.142 | 0.130 | 8.5  | 95    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.443 | 0.451 | -1.8 | 100   | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.776 | 0.779 | -0.4 | 101   | 0.00     |
| 38 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0  | 94    | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene  | 0.755 | 0.775 | -2.6 | 104   | 0.00     |
| 40 P | Hexachlorocyclopentadiene   | 0.396 | 0.371 | 6.3  | 91    | 0.00     |
| 41 S | 2,4,6-Tribromophenol        | 0.264 | 0.286 | -8.3 | 107   | 0.00     |
| 42 C | 2,4,6-Trichlorophenol       | 0.441 | 0.470 | -6.6 | 101   | 0.00     |
| 43   | 2,4,5-Trichlorophenol       | 0.494 | 0.535 | -8.3 | 110   | 0.00     |
| 44 S | 2-Fluorobiphenyl            | 1.493 | 1.518 | -1.7 | 103   | 0.00     |

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|      | Compound                   | AvqRF | CCRF  | %Dev  | Area% | Dev(min) |
|------|----------------------------|-------|-------|-------|-------|----------|
| 45   | 1,1'-Biphenyl              | 1.551 | 1.599 | -3.1  | 103   | 0.00     |
| 46   | 2-Chloronaphthalene        | 1.206 | 1.235 | -2.4  | 104   | 0.00     |
| 47   | 2-Nitroaniline             | 0.426 | 0.439 | -3.1  | 101   | 0.00     |
| 48   | Acenaphthylene             | 2.020 | 2.049 | -1.4  | 101   | 0.00     |
| 49   | Dimethylphthalate          | 1.752 | 1.711 | 2.3   | 100   | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 0.357 | 0.388 | -8.7  | 106   | 0.00     |
| 51 C | Acenaphthene               | 1.259 | 1.275 | -1.3  | 103   | 0.00     |
| 52   | 3-Nitroaniline             | 0.365 | 0.394 | -7.9  | 104   | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 0.158 | 0.152 | 3.8   | 95    | 0.00     |
| 54   | Dibenzofuran               | 2.002 | 2.031 | -1.4  | 102   | 0.00     |
| 55 P | 4-Nitrophenol              | 0.260 | 0.288 | -10.8 | 107   | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 0.512 | 0.556 | -8.6  | 103   | 0.00     |
| 57   | Fluorene                   | 1.678 | 1.694 | -1.0  | 103   | 0.00     |
| 58   | 2,3,4,6-Tetrachlorophenol  | 0.473 | 0.519 | -9.7  | 108   | 0.00     |
| 59   | Diethylphthalate           | 1.802 | 1.760 | 2.3   | 98    | 0.00     |
| 60   | 4-Chlorophenyl-phenylether | 0.986 | 1.023 | -3.8  | 106   | 0.00     |
| 61   | 4-Nitroaniline             | 0.382 | 0.410 | -7.3  | 103   | 0.00     |
| 62   | Azobenzene                 | 1.777 | 1.696 | 4.6   | 96    | 0.00     |
| 63 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0   | 97    | 0.00     |
| 64   | 4,6-Dinitro-2-methylphenol | 0.111 | 0.111 | 0.0   | 100   | 0.00     |
| 65 c | n-Nitrosodiphenylamine     | 0.569 | 0.585 | -2.8  | 103   | 0.00     |
| 66   | 4-Bromophenyl-phenylether  | 0.232 | 0.240 | -3.4  | 102   | 0.00     |
| 67   | Hexachlorobenzene          | 0.239 | 0.250 | -4.6  | 105   | 0.00     |
| 68   | Atrazine                   | 0.234 | 0.228 | 2.6   | 94    | 0.00     |
| 69 C | Pentachlorophenol          | 0.146 | 0.139 | 4.8   | 92    | 0.00     |
| 70   | Phenanthrene               | 0.998 | 1.020 | -2.2  | 104   | 0.00     |
| 71   | Anthracene                 | 0.994 | 1.024 | -3.0  | 104   | 0.00     |
| 72   | Carbazole                  | 0.944 | 0.962 | -1.9  | 102   | 0.00     |
| 73   | Di-n-butylphthalate        | 1.115 | 1.122 | -0.6  | 100   | 0.00     |
| 74 C | Fluoranthene               | 1.344 | 1.369 | -1.9  | 102   | 0.00     |
| 75 I | Chrysene-d12               | 1.000 | 1.000 | 0.0   | 101   | 0.00     |
| 76   | Benzidine                  | 0.526 | 0.525 | 0.2   | 110   | 0.00     |
| 77   | Pyrene                     | 1.265 | 1.245 | 1.6   | 105   | 0.00     |
| 78 S | Terphenyl-d14              | 0.907 | 0.885 | 2.4   | 103   | 0.00     |
| 79   | Butylbenzylphthalate       | 0.452 | 0.472 | -4.4  | 107   | 0.00     |
| 80   | Benzo(a)anthracene         | 1.246 | 1.251 | -0.4  | 107   | 0.00     |
| 81   | 3,3'-Dichlorobenzidine     | 0.435 | 0.456 | -4.8  | 108   | 0.00     |
| 82   | Chrysene                   | 1.155 | 1.164 | -0.8  | 107   | 0.00     |
| 83   | Bis(2-ethylhexyl)phthalate | 0.615 | 0.646 | -5.0  | 107   | 0.00     |
| 84 c | Di-n-octyl phthalate       | 1.029 | 1.125 | -9.3  | 111   | 0.00     |
| 85   | Indeno(1,2,3-cd)pyrene     | 1.279 | 1.290 | -0.9  | 105   | 0.00     |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0   | 105   | 0.00     |
| 87   | Benzo(b)fluoranthene       | 1.216 | 1.204 | 1.0   | 109   | 0.00     |

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|------|------------------------|-------|-------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 1.188 | 1.224 | -3.0 | 110   | 0.00     |
| 89 C | Benzo(a)pyrene         | 1.131 | 1.163 | -2.8 | 110   | 0.00     |
| 90   | Dibenzo(a,h)anthracene | 1.110 | 1.103 | 0.6  | 106   | 0.00     |
| 91   | Benzo(a,h,i)perylene   | 1.086 | 1.029 | 5.2  | 101   | 0.00     |

(#) = Out of Range

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