

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG121318\  
 Data File : BG038536.D  
 Acq On : 13 Dec 2018 17:26  
 Operator : JU/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Dec 13 22:35:51 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG121218.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 12 15:26:27 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  | 104   | 0.00     |
| 2    | 1,4-Dioxane                 | 0.525 | 0.536 | -2.1 | 104   | 0.00     |
| 3    | Pyridine                    | 1.445 | 1.460 | -1.0 | 87    | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.708 | 0.765 | -8.1 | 103   | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.128 | 1.166 | -3.4 | 107   | 0.00     |
| 6    | Aniline                     | 1.976 | 2.047 | -3.6 | 106   | 0.00     |
| 7 S  | Phenol-d6                   | 1.548 | 1.596 | -3.1 | 107   | 0.00     |
| 8    | 2-Chlorophenol              | 1.305 | 1.345 | -3.1 | 106   | 0.00     |
| 9    | Benzaldehyde                | 1.004 | 0.966 | 3.8  | 108   | 0.00     |
| 10 C | Phenol                      | 1.645 | 1.701 | -3.4 | 107   | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.309 | 1.341 | -2.4 | 108   | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.543 | 1.583 | -2.6 | 107   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.580 | 1.612 | -2.0 | 108   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.490 | 1.492 | -0.1 | 107   | 0.00     |
| 15   | Benzyl Alcohol              | 1.208 | 1.301 | -7.7 | 107   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 2.999 | 3.052 | -1.8 | 107   | 0.00     |
| 17   | 2-Methylphenol              | 1.102 | 1.149 | -4.3 | 106   | 0.00     |
| 18   | Hexachloroethane            | 0.577 | 0.585 | -1.4 | 107   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 1.087 | 1.154 | -6.2 | 109   | 0.00     |
| 20   | 3+4-Methylphenols           | 1.522 | 1.640 | -7.8 | 110   | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0  | 109   | 0.00     |
| 22   | Acetophenone                | 0.500 | 0.498 | 0.4  | 108   | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.391 | 0.395 | -1.0 | 109   | 0.00     |
| 24   | Nitrobenzene                | 0.396 | 0.404 | -2.0 | 110   | 0.00     |
| 25   | Isophorone                  | 0.703 | 0.669 | 4.8  | 88    | 0.00     |
| 26 C | 2-Nitrophenol               | 0.203 | 0.201 | 1.0  | 107   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.291 | 0.293 | -0.7 | 108   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.397 | 0.407 | -2.5 | 109   | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.323 | 0.334 | -3.4 | 107   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.390 | 0.386 | 1.0  | 107   | 0.00     |
| 31   | Naphthalene                 | 0.985 | 0.976 | 0.9  | 107   | 0.00     |
| 32   | Benzoic acid                | 0.154 | 0.139 | 9.7  | 88    | 0.01     |
| 33   | 4-Chloroaniline             | 0.428 | 0.449 | -4.9 | 110   | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.264 | 0.262 | 0.8  | 105   | 0.00     |
| 35   | Caprolactam                 | 0.134 | 0.128 | 4.5  | 108   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.369 | 0.368 | 0.3  | 109   | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.703 | 0.700 | 0.4  | 108   | 0.00     |
| 38   | 1-Methylnaphthalene         | 0.682 | 0.695 | -1.9 | 111   | 0.00     |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0  | 111   | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.748 | 0.738 | 1.3  | 108   | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 0.411 | 0.394 | 4.1  | 103   | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 0.276 | 0.285 | -3.3 | 111   | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 0.460 | 0.479 | -4.1 | 108   | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 0.487 | 0.512 | -5.1 | 110   | 0.00     |

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|      | Compound                   | AvqRF | CCRF  | %Dev | Area% | Dev(min) |
|------|----------------------------|-------|-------|------|-------|----------|
| 45 S | 2-Fluorobiphenyl           | 1.458 | 1.434 | 1.6  | 108   | 0.00     |
| 46   | 1,1'-Biphenyl              | 1.677 | 1.657 | 1.2  | 107   | 0.00     |
| 47   | 2-Chloronaphthalene        | 1.295 | 1.289 | 0.5  | 110   | 0.00     |
| 48   | 2-Nitroaniline             | 0.413 | 0.434 | -5.1 | 113   | 0.00     |
| 49   | Acenaphthylene             | 1.936 | 1.946 | -0.5 | 109   | 0.00     |
| 50   | Dimethylphthalate          | 1.633 | 1.660 | -1.7 | 111   | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 0.370 | 0.374 | -1.1 | 110   | 0.00     |
| 52 C | Acenaphthene               | 1.158 | 1.151 | 0.6  | 109   | 0.00     |
| 53   | 3-Nitroaniline             | 0.377 | 0.392 | -4.0 | 111   | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 0.193 | 0.190 | 1.6  | 105   | 0.00     |
| 55   | Dibenzofuran               | 1.985 | 1.966 | 1.0  | 110   | 0.00     |
| 56 P | 4-Nitrophenol              | 0.286 | 0.291 | -1.7 | 106   | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 0.521 | 0.523 | -0.4 | 107   | 0.00     |
| 58   | Fluorene                   | 1.470 | 1.475 | -0.3 | 110   | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.438 | 0.445 | -1.6 | 107   | 0.00     |
| 60   | Diethylphthalate           | 1.793 | 1.758 | 2.0  | 109   | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 0.917 | 0.914 | 0.3  | 109   | 0.00     |
| 62   | 4-Nitroaniline             | 0.388 | 0.403 | -3.9 | 108   | 0.00     |
| 63   | Azobenzene                 | 1.498 | 1.510 | -0.8 | 110   | 0.00     |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0  | 111   | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 0.143 | 0.138 | 3.5  | 105   | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 0.588 | 0.596 | -1.4 | 112   | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 0.244 | 0.245 | -0.4 | 109   | 0.00     |
| 68   | Hexachlorobenzene          | 0.253 | 0.253 | 0.0  | 108   | 0.00     |
| 69   | Atrazine                   | 0.218 | 0.227 | -4.1 | 111   | 0.00     |
| 70 C | Pentachlorophenol          | 0.150 | 0.157 | -4.7 | 111   | 0.00     |
| 71   | Phenanthrene               | 1.037 | 1.027 | 1.0  | 110   | 0.00     |
| 72   | Anthracene                 | 1.024 | 1.037 | -1.3 | 110   | 0.00     |
| 73   | Carbazole                  | 1.013 | 1.023 | -1.0 | 110   | 0.00     |
| 74   | Di-n-butylphthalate        | 1.162 | 1.171 | -0.8 | 109   | 0.00     |
| 75 C | Fluoranthene               | 1.283 | 1.252 | 2.4  | 110   | 0.00     |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0  | 106   | 0.00     |
| 77   | Benzidine                  | 0.591 | 0.604 | -2.2 | 90    | 0.00     |
| 78   | Pyrene                     | 1.321 | 1.328 | -0.5 | 109   | 0.00     |
| 79 S | Terphenyl-d14              | 0.919 | 0.940 | -2.3 | 109   | 0.00     |
| 80   | Butylbenzylphthalate       | 0.516 | 0.540 | -4.7 | 108   | 0.00     |
| 81   | Benzo(a)anthracene         | 1.219 | 1.253 | -2.8 | 107   | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 0.483 | 0.506 | -4.8 | 106   | 0.00     |
| 83   | Chrysene                   | 1.174 | 1.193 | -1.6 | 107   | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 0.732 | 0.755 | -3.1 | 105   | 0.00     |
| 85 c | Di-n-octyl phthalate       | 1.226 | 1.266 | -3.3 | 104   | 0.00     |
| 86   | Indeno(1,2,3-cd)pyrene     | 1.380 | 1.418 | -2.8 | 105   | 0.00     |
| 87 I | Perylene-d12               | 1.000 | 1.000 | 0.0  | 104   | 0.00     |

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|      | Compound               | AvgRF | CCRF  | %Dev | Area% | Dev(min) |
|------|------------------------|-------|-------|------|-------|----------|
| 88   | Benzo(b)fluoranthene   | 1.098 | 1.145 | -4.3 | 107   | 0.00     |
| 89   | Benzo(k)fluoranthene   | 1.093 | 1.099 | -0.5 | 103   | 0.00     |
| 90 C | Benzo(a)pyrene         | 1.059 | 1.098 | -3.7 | 106   | 0.00     |
| 91   | Dibenzo(a,h)anthracene | 1.055 | 1.088 | -3.1 | 105   | 0.00     |
| 92   | Benzo(g,h,i)perylene   | 1.039 | 1.070 | -3.0 | 105   | 0.00     |

(#) = Out of Range

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