

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG091720\  
 Data File : BG046662.D  
 Acq On : 17 Sep 2020 15:03  
 Operator : CG/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Sep 17 15:58:10 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082520.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Sep 17 14:27:03 2020  
 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   | 67    | 0.00     |
| 2    | 1,4-Dioxane                 | 0.470 | 0.442 | 6.0   | 68    | 0.00     |
| 3    | Pyridine                    | 1.375 | 1.414 | -2.8  | 72    | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.507 | 0.535 | -5.5  | 72    | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.129 | 1.128 | 0.1   | 71    | 0.00     |
| 6    | Aniline                     | 1.801 | 1.947 | -8.1  | 76    | 0.00     |
| 7 S  | Phenol-d6                   | 1.601 | 1.725 | -7.7  | 75    | 0.00     |
| 8    | 2-Chlorophenol              | 1.193 | 1.244 | -4.3  | 75    | 0.00     |
| 9    | Benzaldehyde                | 0.897 | 0.908 | -1.2  | 72    | 0.00     |
| 10 C | Phenol                      | 1.474 | 1.589 | -7.8  | 76    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.185 | 1.269 | -7.1  | 76    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.515 | 1.535 | -1.3  | 73    | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.517 | 1.536 | -1.3  | 73    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.455 | 1.476 | -1.4  | 74    | 0.00     |
| 15   | Benzyl Alcohol              | 1.028 | 1.161 | -12.9 | 77    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 1.838 | 1.976 | -7.5  | 76    | 0.00     |
| 17   | 2-Methylphenol              | 1.046 | 1.163 | -11.2 | 78    | 0.00     |
| 18   | Hexachloroethane            | 0.514 | 0.510 | 0.8   | 71    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 0.958 | 1.117 | -16.6 | 81    | 0.00     |
| 20   | 3+4-Methylphenols           | 1.443 | 1.613 | -11.8 | 77    | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0   | 69    | 0.00     |
| 22   | Acetophenone                | 0.487 | 0.507 | -4.1  | 79    | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.350 | 0.362 | -3.4  | 78    | 0.00     |
| 24   | Nitrobenzene                | 0.346 | 0.354 | -2.3  | 78    | 0.00     |
| 25   | Isophorone                  | 0.642 | 0.700 | -9.0  | 81    | 0.00     |
| 26 C | 2-Nitrophenol               | 0.182 | 0.192 | -5.5  | 77    | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.251 | 0.265 | -5.6  | 79    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.413 | 0.438 | -6.1  | 78    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.334 | 0.352 | -5.4  | 78    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.397 | 0.394 | 0.8   | 76    | 0.00     |
| 31   | Naphthalene                 | 0.977 | 1.012 | -3.6  | 79    | 0.00     |
| 32   | Benzoic acid                | 0.156 | 0.113 | 27.6# | 48#   | 0.00     |
| 33   | 4-Chloroaniline             | 0.431 | 0.468 | -8.6  | 80    | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.258 | 0.255 | 1.2   | 75    | 0.00     |
| 35   | Caprolactam                 | 0.125 | 0.135 | -8.0  | 79    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.327 | 0.366 | -11.9 | 82    | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.770 | 0.828 | -7.5  | 80    | 0.00     |
| 38   | 1-Methylnaphthalene         | 0.730 | 0.783 | -7.3  | 80    | 0.00     |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0   | 72    | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.660 | 0.660 | 0.0   | 80    | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 0.287 | 0.236 | 17.8  | 61    | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 0.271 | 0.277 | -2.2  | 79    | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 0.445 | 0.448 | -0.7  | 77    | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 0.468 | 0.472 | -0.9  | 78    | 0.00     |

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|      | Compound                   | AvqRF | CCRF  | %Dev | Area% | Dev(min) |
|------|----------------------------|-------|-------|------|-------|----------|
| 45 S | 2-Fluorobiphenyl           | 1.310 | 1.335 | -1.9 | 82    | 0.00     |
| 46   | 1,1'-Biphenyl              | 1.391 | 1.447 | -4.0 | 82    | 0.00     |
| 47   | 2-Chloronaphthalene        | 1.180 | 1.191 | -0.9 | 81    | 0.00     |
| 48   | 2-Nitroaniline             | 0.328 | 0.354 | -7.9 | 83    | 0.00     |
| 49   | Acenaphthylene             | 1.790 | 1.868 | -4.4 | 82    | 0.00     |
| 50   | Dimethylphthalate          | 1.547 | 1.605 | -3.7 | 82    | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 0.341 | 0.355 | -4.1 | 82    | 0.00     |
| 52 C | Acenaphthene               | 1.109 | 1.147 | -3.4 | 82    | 0.00     |
| 53   | 3-Nitroaniline             | 0.369 | 0.378 | -2.4 | 79    | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 0.199 | 0.198 | 0.5  | 70    | 0.00     |
| 55   | Dibenzofuran               | 1.780 | 1.856 | -4.3 | 83    | 0.00     |
| 56 P | 4-Nitrophenol              | 0.272 | 0.269 | 1.1  | 74    | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 0.486 | 0.515 | -6.0 | 81    | 0.00     |
| 58   | Fluorene                   | 1.494 | 1.550 | -3.7 | 83    | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.454 | 0.473 | -4.2 | 80    | 0.00     |
| 60   | Diethylphthalate           | 1.509 | 1.573 | -4.2 | 83    | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 0.823 | 0.844 | -2.6 | 81    | 0.00     |
| 62   | 4-Nitroaniline             | 0.390 | 0.397 | -1.8 | 79    | 0.00     |
| 63   | Azobenzene                 | 1.227 | 1.278 | -4.2 | 83    | 0.00     |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0  | 72    | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 0.113 | 0.122 | -8.0 | 78    | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 0.540 | 0.567 | -5.0 | 82    | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 0.233 | 0.247 | -6.0 | 82    | 0.00     |
| 68   | Hexachlorobenzene          | 0.258 | 0.266 | -3.1 | 80    | 0.00     |
| 69   | Atrazine                   | 0.220 | 0.226 | -2.7 | 78    | 0.00     |
| 70 C | Pentachlorophenol          | 0.135 | 0.132 | 2.2  | 69    | 0.00     |
| 71   | Phenanthrene               | 1.014 | 1.049 | -3.5 | 82    | 0.00     |
| 72   | Anthracene                 | 1.000 | 1.035 | -3.5 | 82    | 0.00     |
| 73   | Carbazole                  | 0.944 | 0.953 | -1.0 | 79    | 0.00     |
| 74   | Di-n-butylphthalate        | 1.086 | 1.096 | -0.9 | 79    | 0.00     |
| 75 C | Fluoranthene               | 1.305 | 1.284 | 1.6  | 79    | 0.00     |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0  | 70    | 0.00     |
| 77   | Benzidine                  | 0.465 | 0.443 | 4.7  | 63    | 0.00     |
| 78   | Pyrene                     | 1.274 | 1.319 | -3.5 | 79    | 0.00     |
| 79 S | Terphenyl-d14              | 0.940 | 0.957 | -1.8 | 80    | 0.00     |
| 80   | Butylbenzylphthalate       | 0.497 | 0.512 | -3.0 | 76    | 0.00     |
| 81   | Benzo(a)anthracene         | 1.247 | 1.268 | -1.7 | 78    | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 0.463 | 0.468 | -1.1 | 76    | 0.00     |
| 83   | Chrysene                   | 1.199 | 1.208 | -0.8 | 78    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 0.678 | 0.707 | -4.3 | 78    | 0.00     |
| 85 c | Di-n-octyl phthalate       | 1.161 | 1.233 | -6.2 | 80    | 0.00     |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0  | 67    | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 1.436 | 1.476 | -2.8 | 78    | 0.00     |

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|      | Compound               | AvgRF | CCRF  | %Dev | Area% | Dev(min) |
|------|------------------------|-------|-------|------|-------|----------|
| 88   | Benzo(b)fluoranthene   | 1.249 | 1.295 | -3.7 | 79    | 0.00     |
| 89   | Benzo(k)fluoranthene   | 1.207 | 1.221 | -1.2 | 77    | 0.00     |
| 90 C | Benzo(a)pyrene         | 1.165 | 1.211 | -3.9 | 79    | 0.00     |
| 91   | Dibenzo(a,h)anthracene | 1.159 | 1.206 | -4.1 | 79    | 0.00     |
| 92   | Benzo(g,h,i)perylene   | 1.158 | 1.187 | -2.5 | 77    | 0.00     |

(#) = Out of Range

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