

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG051322\  
 Data File : BG053535.D  
 Acq On : 13 May 2022 9:42  
 Operator : CG/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: May 14 03:12:17 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG050522.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed May 11 06:00:46 2022  
 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                    | AvgRF | CCRF  | %Dev | Area% | Dev(min) |
|------|-----------------------------|-------|-------|------|-------|----------|
| 1 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0  | 114   | 0.00     |
| 2    | 1,4-Dioxane                 | 0.618 | 0.530 | 14.2 | 99    | 0.00     |
| 3    | Pyridine                    | 1.510 | 1.502 | 0.5  | 108   | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.736 | 0.711 | 3.4  | 108   | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.178 | 1.132 | 3.9  | 109   | 0.00     |
| 6    | Aniline                     | 1.981 | 2.010 | -1.5 | 112   | 0.00     |
| 7 S  | Phenol-d6                   | 1.788 | 1.801 | -0.7 | 112   | 0.00     |
| 8    | 2-Chlorophenol              | 1.232 | 1.168 | 5.2  | 107   | 0.00     |
| 9    | Benzaldehyde                | 1.136 | 1.043 | 8.2  | 111   | 0.00     |
| 10 C | Phenol                      | 1.749 | 1.695 | 3.1  | 107   | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.305 | 1.317 | -0.9 | 111   | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.453 | 1.374 | 5.4  | 108   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.467 | 1.393 | 5.0  | 110   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.377 | 1.345 | 2.3  | 111   | 0.00     |
| 15   | Benzyl Alcohol              | 1.495 | 1.548 | -3.5 | 115   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 2.123 | 2.194 | -3.3 | 117   | 0.00     |
| 17   | 2-Methylphenol              | 1.182 | 1.161 | 1.8  | 111   | 0.00     |
| 18   | Hexachloroethane            | 0.557 | 0.527 | 5.4  | 110   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 1.283 | 1.311 | -2.2 | 115   | 0.00     |
| 20   | 3+4-Methylphenols           | 1.670 | 1.708 | -2.3 | 112   | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0  | 113   | 0.00     |
| 22   | Acetophenone                | 0.547 | 0.556 | -1.6 | 115   | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.470 | 0.486 | -3.4 | 114   | 0.00     |
| 24   | Nitrobenzene                | 0.455 | 0.457 | -0.4 | 110   | 0.00     |
| 25   | Isophorone                  | 0.791 | 0.850 | -7.5 | 117   | 0.00     |
| 26 C | 2-Nitrophenol               | 0.184 | 0.193 | -4.9 | 115   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.277 | 0.284 | -2.5 | 113   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.455 | 0.481 | -5.7 | 118   | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.335 | 0.354 | -5.7 | 113   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.380 | 0.399 | -5.0 | 118   | 0.00     |
| 31   | Naphthalene                 | 1.017 | 1.035 | -1.8 | 114   | 0.00     |
| 32   | Benzoic acid                | 0.147 | 0.151 | -2.7 | 108   | 0.00     |
| 33   | 4-Chloroaniline             | 0.426 | 0.453 | -6.3 | 114   | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.282 | 0.292 | -3.5 | 115   | 0.00     |
| 35   | Caprolactam                 | 0.122 | 0.132 | -8.2 | 119   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.400 | 0.434 | -8.5 | 116   | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.759 | 0.803 | -5.8 | 117   | 0.00     |
| 38   | 1-Methylnaphthalene         | 0.741 | 0.767 | -3.5 | 118   | 0.00     |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0  | 120   | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.630 | 0.639 | -1.4 | 119   | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 0.200 | 0.208 | -4.0 | 116   | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 0.295 | 0.303 | -2.7 | 116   | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 0.412 | 0.422 | -2.4 | 115   | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 0.438 | 0.453 | -3.4 | 116   | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 1.369 | 1.366 | 0.2  | 119   | 0.00     |
| 46   | 1,1'-Biphenyl               | 1.363 | 1.374 | -0.8 | 119   | 0.00     |
| 47   | 2-Chloronaphthalene         | 1.068 | 1.071 | -0.3 | 120   | 0.00     |

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Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound                   | AvgRF | CCRF  | %Dev | Area% | Dev(min) |
|------|----------------------------|-------|-------|------|-------|----------|
| 48   | 2-Nitroaniline             | 0.398 | 0.421 | -5.8 | 120   | 0.00     |
| 49   | Acenaphthylene             | 1.704 | 1.719 | -0.9 | 117   | 0.00     |
| 50   | Dimethylphthalate          | 1.520 | 1.525 | -0.3 | 117   | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 0.310 | 0.315 | -1.6 | 117   | 0.00     |
| 52 C | Acenaphthene               | 1.016 | 1.032 | -1.6 | 118   | 0.00     |
| 53   | 3-Nitroaniline             | 0.335 | 0.340 | -1.5 | 116   | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 0.166 | 0.164 | 1.2  | 110   | 0.00     |
| 55   | Dibenzofuran               | 1.824 | 1.823 | 0.1  | 119   | 0.00     |
| 56 P | 4-Nitrophenol              | 0.239 | 0.234 | 2.1  | 110   | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 0.449 | 0.457 | -1.8 | 116   | 0.00     |
| 58   | Fluorene                   | 1.464 | 1.477 | -0.9 | 118   | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.444 | 0.471 | -6.1 | 121   | 0.00     |
| 60   | Diethylphthalate           | 1.570 | 1.583 | -0.8 | 117   | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 0.817 | 0.858 | -5.0 | 124   | 0.00     |
| 62   | 4-Nitroaniline             | 0.347 | 0.345 | 0.6  | 115   | 0.00     |
| 63   | Azobenzene                 | 1.608 | 1.653 | -2.8 | 122   | 0.00     |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0  | 118   | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 0.119 | 0.126 | -5.9 | 116   | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 0.525 | 0.531 | -1.1 | 117   | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 0.234 | 0.242 | -3.4 | 119   | 0.00     |
| 68   | Hexachlorobenzene          | 0.256 | 0.258 | -0.8 | 119   | 0.00     |
| 69   | Atrazine                   | 0.221 | 0.213 | 3.6  | 113   | 0.00     |
| 70 C | Pentachlorophenol          | 0.121 | 0.119 | 1.7  | 111   | 0.00     |
| 71   | Phenanthrene               | 1.017 | 1.010 | 0.7  | 117   | 0.00     |
| 72   | Anthracene                 | 1.000 | 0.996 | 0.4  | 118   | 0.00     |
| 73   | Carbazole                  | 0.980 | 0.945 | 3.6  | 113   | 0.00     |
| 74   | Di-n-butylphthalate        | 1.102 | 1.066 | 3.3  | 113   | 0.00     |
| 75 C | Fluoranthene               | 1.317 | 1.252 | 4.9  | 112   | 0.00     |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0  | 110   | 0.00     |
| 77   | Benzidine                  | 0.431 | 0.472 | -9.5 | 123   | 0.00     |
| 78   | Pyrene                     | 1.295 | 1.324 | -2.2 | 111   | 0.00     |
| 79 S | Terphenyl-d14              | 1.074 | 1.075 | -0.1 | 110   | 0.00     |
| 80   | Butylbenzylphthalate       | 0.475 | 0.492 | -3.6 | 110   | 0.00     |
| 81   | Benzo(a)anthracene         | 1.276 | 1.287 | -0.9 | 111   | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 0.323 | 0.338 | -4.6 | 111   | 0.00     |
| 83   | Chrysene                   | 1.191 | 1.193 | -0.2 | 109   | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 0.655 | 0.680 | -3.8 | 112   | 0.00     |
| 85 c | Di-n-octyl phthalate       | 1.108 | 1.167 | -5.3 | 113   | 0.00     |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0  | 111   | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 1.393 | 1.455 | -4.5 | 114   | 0.00     |
| 88   | Benzo(b)fluoranthene       | 1.184 | 1.212 | -2.4 | 110   | 0.00     |
| 89   | Benzo(k)fluoranthene       | 1.163 | 1.177 | -1.2 | 114   | 0.00     |
| 90 C | Benzo(a)pyrene             | 1.008 | 1.036 | -2.8 | 112   | 0.00     |
| 91   | Dibenzo(a,h)anthracene     | 1.148 | 1.181 | -2.9 | 113   | -0.01    |
| 92   | Benzo(g,h,i)perylene       | 1.138 | 1.177 | -3.4 | 113   | 0.00     |

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| Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
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|----------|-------|------|------|-------|----------|

(#) = Out of Range

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