

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG030222\  
 Data File : BG052546.D  
 Acq On : 2 Mar 2022 20:58  
 Operator : CG/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Mar 03 02:27:17 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG020722.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Feb 08 01:21:20 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   | 111   | 0.00     |
| 2    | 1,4-Dioxane                 | 0.528 | 0.543 | -2.8  | 121   | 0.00     |
| 3    | Pyridine                    | 1.532 | 1.454 | 5.1   | 104   | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.791 | 0.701 | 11.4  | 100   | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.148 | 1.173 | -2.2  | 115   | 0.00     |
| 6    | Aniline                     | 2.057 | 1.929 | 6.2   | 102   | 0.00     |
| 7 S  | Phenol-d6                   | 1.771 | 1.722 | 2.8   | 107   | 0.00     |
| 8    | 2-Chlorophenol              | 1.262 | 1.264 | -0.2  | 115   | 0.00     |
| 9    | Benzaldehyde                | 1.087 | 0.942 | 13.3  | 102   | 0.00     |
| 10 C | Phenol                      | 1.759 | 1.667 | 5.2   | 105   | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.345 | 1.241 | 7.7   | 106   | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.438 | 1.450 | -0.8  | 114   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.466 | 1.466 | 0.0   | 113   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.446 | 1.414 | 2.2   | 111   | 0.00     |
| 15   | Benzyl Alcohol              | 1.469 | 1.353 | 7.9   | 99    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 1.942 | 1.645 | 15.3  | 98    | 0.00     |
| 17   | 2-Methylphenol              | 1.161 | 1.137 | 2.1   | 109   | 0.00     |
| 18   | Hexachloroethane            | 0.510 | 0.490 | 3.9   | 112   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 1.335 | 1.161 | 13.0  | 98    | 0.00     |
| 20   | 3+4-Methylphenols           | 1.661 | 1.613 | 2.9   | 107   | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0   | 104   | 0.00     |
| 22   | Acetophenone                | 0.529 | 0.494 | 6.6   | 100   | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.460 | 0.437 | 5.0   | 100   | 0.00     |
| 24   | Nitrobenzene                | 0.437 | 0.411 | 5.9   | 98    | 0.00     |
| 25   | Isophorone                  | 0.783 | 0.738 | 5.7   | 99    | 0.00     |
| 26 C | 2-Nitrophenol               | 0.185 | 0.194 | -4.9  | 106   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.274 | 0.272 | 0.7   | 103   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.444 | 0.426 | 4.1   | 101   | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.328 | 0.329 | -0.3  | 105   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.383 | 0.379 | 1.0   | 106   | 0.00     |
| 31   | Naphthalene                 | 1.048 | 1.021 | 2.6   | 103   | 0.00     |
| 32   | Benzoic acid                | 0.161 | 0.185 | -14.9 | 118   | 0.01     |
| 33   | 4-Chloroaniline             | 0.438 | 0.430 | 1.8   | 101   | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.259 | 0.247 | 4.6   | 103   | 0.00     |
| 35   | Caprolactam                 | 0.120 | 0.122 | -1.7  | 105   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.374 | 0.379 | -1.3  | 104   | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.779 | 0.747 | 4.1   | 102   | 0.00     |
| 38   | 1-Methylnaphthalene         | 0.755 | 0.727 | 3.7   | 100   | 0.00     |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0   | 101   | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.658 | 0.638 | 3.0   | 101   | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 0.278 | 0.269 | 3.2   | 98    | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 0.287 | 0.299 | -4.2  | 106   | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 0.430 | 0.446 | -3.7  | 105   | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 0.466 | 0.469 | -0.6  | 103   | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 1.439 | 1.399 | 2.8   | 101   | 0.00     |
| 46   | 1,1'-Biphenyl               | 1.467 | 1.443 | 1.6   | 102   | 0.00     |
| 47   | 2-Chloronaphthalene         | 1.130 | 1.117 | 1.2   | 102   | 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             | 0.402 | 0.395 | 1.7   | 100   | 0.00     |
| 49   | Acenaphthylene             | 1.839 | 1.810 | 1.6   | 102   | 0.00     |
| 50   | Dimethylphthalate          | 1.532 | 1.511 | 1.4   | 103   | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 0.331 | 0.329 | 0.6   | 101   | 0.00     |
| 52 C | Acenaphthene               | 1.205 | 1.189 | 1.3   | 101   | 0.00     |
| 53   | 3-Nitroaniline             | 0.344 | 0.360 | -4.7  | 105   | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 0.179 | 0.203 | -13.4 | 111   | 0.00     |
| 55   | Dibenzofuran               | 1.894 | 1.855 | 2.1   | 103   | 0.00     |
| 56 P | 4-Nitrophenol              | 0.258 | 0.264 | -2.3  | 101   | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 0.471 | 0.480 | -1.9  | 103   | 0.00     |
| 58   | Fluorene                   | 1.512 | 1.502 | 0.7   | 103   | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.445 | 0.447 | -0.4  | 103   | 0.00     |
| 60   | Diethylphthalate           | 1.548 | 1.533 | 1.0   | 103   | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 0.861 | 0.835 | 3.0   | 102   | 0.00     |
| 62   | 4-Nitroaniline             | 0.362 | 0.368 | -1.7  | 103   | 0.00     |
| 63   | Azobenzene                 | 1.584 | 1.478 | 6.7   | 97    | 0.00     |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0   | 103   | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 0.120 | 0.133 | -10.8 | 108   | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 0.551 | 0.551 | 0.0   | 103   | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 0.243 | 0.238 | 2.1   | 102   | 0.00     |
| 68   | Hexachlorobenzene          | 0.264 | 0.252 | 4.5   | 100   | 0.00     |
| 69   | Atrazine                   | 0.223 | 0.221 | 0.9   | 101   | 0.00     |
| 70 C | Pentachlorophenol          | 0.129 | 0.134 | -3.9  | 103   | 0.00     |
| 71   | Phenanthrene               | 1.031 | 1.015 | 1.6   | 103   | 0.00     |
| 72   | Anthracene                 | 1.010 | 1.005 | 0.5   | 104   | 0.00     |
| 73   | Carbazole                  | 0.985 | 0.994 | -0.9  | 106   | 0.00     |
| 74   | Di-n-butylphthalate        | 1.074 | 1.089 | -1.4  | 105   | 0.00     |
| 75 C | Fluoranthene               | 1.313 | 1.281 | 2.4   | 104   | 0.00     |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0   | 105   | 0.00     |
| 77   | Benzydine                  | 0.427 | 0.477 | -11.7 | 102   | 0.00     |
| 78   | Pyrene                     | 1.338 | 1.355 | -1.3  | 104   | 0.00     |
| 79 S | Terphenyl-d14              | 1.133 | 1.118 | 1.3   | 104   | 0.00     |
| 80   | Butylbenzylphthalate       | 0.465 | 0.499 | -7.3  | 109   | 0.00     |
| 81   | Benzo(a)anthracene         | 1.323 | 1.329 | -0.5  | 104   | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 0.462 | 0.471 | -1.9  | 104   | 0.00     |
| 83   | Chrysene                   | 1.254 | 1.227 | 2.2   | 103   | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 0.645 | 0.687 | -6.5  | 105   | -0.01    |
| 85 c | Di-n-octyl phthalate       | 1.081 | 1.140 | -5.5  | 106   | -0.01    |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0   | 104   | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 1.464 | 1.432 | 2.2   | 102   | 0.01     |
| 88   | Benzo(b)fluoranthene       | 1.246 | 1.234 | 1.0   | 103   | 0.00     |
| 89   | Benzo(k)fluoranthene       | 1.231 | 1.202 | 2.4   | 100   | 0.00     |
| 90 C | Benzo(a)pyrene             | 1.053 | 1.044 | 0.9   | 103   | 0.00     |
| 91   | Dibenzo(a,h)anthracene     | 1.209 | 1.182 | 2.2   | 102   | -0.01    |
| 92   | Benzo(g,h,i)perylene       | 1.187 | 1.160 | 2.3   | 102   | 0.00     |

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

(#) = Out of Range

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