

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG063023\  
 Data File : BG057919.D  
 Acq On : 30 Jun 2023 14:47  
 Operator : CG/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jun 30 18:21:46 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG062723.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jun 28 01:12:33 2023  
 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                 | 0.599 | 0.558 | 6.8  | 106   | 0.00     |
| 3    | Pyridine                    | 1.729 | 1.780 | -2.9 | 115   | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.713 | 0.704 | 1.3  | 111   | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.307 | 1.317 | -0.8 | 112   | 0.00     |
| 6    | Aniline                     | 2.442 | 2.425 | 0.7  | 115   | 0.00     |
| 7 S  | Phenol-d6                   | 1.955 | 1.982 | -1.4 | 115   | 0.00     |
| 8    | 2-Chlorophenol              | 1.312 | 1.338 | -2.0 | 115   | 0.00     |
| 9    | Benzaldehyde                | 1.095 | 1.079 | 1.5  | 117   | 0.00     |
| 10 C | Phenol                      | 1.899 | 1.933 | -1.8 | 115   | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.432 | 1.444 | -0.8 | 115   | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.350 | 1.360 | -0.7 | 113   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.356 | 1.359 | -0.2 | 113   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.312 | 1.315 | -0.2 | 114   | 0.00     |
| 15   | Benzyl Alcohol              | 1.440 | 1.438 | 0.1  | 116   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 2.385 | 2.242 | 6.0  | 109   | 0.00     |
| 17   | 2-Methylphenol              | 1.408 | 1.437 | -2.1 | 117   | 0.00     |
| 18   | Hexachloroethane            | 0.472 | 0.481 | -1.9 | 113   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 1.308 | 1.320 | -0.9 | 121   | 0.00     |
| 20   | 3+4-Methylphenols           | 1.962 | 2.043 | -4.1 | 120   | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0  | 119   | 0.00     |
| 22   | Acetophenone                | 0.557 | 0.537 | 3.6  | 115   | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.408 | 0.409 | -0.2 | 118   | 0.00     |
| 24   | Nitrobenzene                | 0.410 | 0.414 | -1.0 | 119   | 0.00     |
| 25   | Isophorone                  | 0.881 | 0.885 | -0.5 | 124   | 0.00     |
| 26 C | 2-Nitrophenol               | 0.167 | 0.183 | -9.6 | 126   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.322 | 0.323 | -0.3 | 119   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.474 | 0.481 | -1.5 | 123   | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.316 | 0.329 | -4.1 | 123   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.340 | 0.337 | 0.9  | 117   | 0.00     |
| 31   | Naphthalene                 | 1.068 | 1.061 | 0.7  | 119   | 0.00     |
| 32   | Benzoic acid                | 0.252 | 0.242 | 4.0  | 117   | 0.01     |
| 33   | 4-Chloroaniline             | 0.502 | 0.515 | -2.6 | 124   | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.210 | 0.204 | 2.9  | 116   | 0.00     |
| 35   | Caprolactam                 | 0.137 | 0.132 | 3.6  | 118   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.419 | 0.433 | -3.3 | 127   | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.787 | 0.799 | -1.5 | 124   | 0.00     |
| 38   | 1-Methylnaphthalene         | 0.744 | 0.748 | -0.5 | 124   | 0.00     |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0  | 127   | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.560 | 0.552 | 1.4  | 123   | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 0.301 | 0.290 | 3.7  | 115   | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 0.336 | 0.330 | 1.8  | 121   | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 0.412 | 0.421 | -2.2 | 127   | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 0.491 | 0.508 | -3.5 | 128   | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 1.311 | 1.271 | 3.1  | 123   | 0.00     |
| 46   | 1,1'-Biphenyl               | 1.362 | 1.339 | 1.7  | 125   | 0.00     |
| 47   | 2-Chloronaphthalene         | 1.046 | 1.031 | 1.4  | 124   | 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             | 0.417 | 0.432 | -3.6 | 126   | 0.00     |
| 49   | Acenaphthylene             | 1.835 | 1.828 | 0.4  | 127   | 0.00     |
| 50   | Dimethylphthalate          | 1.585 | 1.551 | 2.1  | 125   | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 0.329 | 0.342 | -4.0 | 127   | 0.00     |
| 52 C | Acenaphthene               | 1.072 | 1.064 | 0.7  | 126   | 0.00     |
| 53   | 3-Nitroaniline             | 0.374 | 0.377 | -0.8 | 124   | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 0.182 | 0.169 | 7.1  | 113   | 0.00     |
| 55   | Dibenzofuran               | 1.838 | 1.790 | 2.6  | 124   | 0.00     |
| 56 P | 4-Nitrophenol              | 0.307 | 0.306 | 0.3  | 116   | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 0.478 | 0.485 | -1.5 | 121   | 0.00     |
| 58   | Fluorene                   | 1.484 | 1.435 | 3.3  | 123   | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.445 | 0.434 | 2.5  | 123   | 0.00     |
| 60   | Diethylphthalate           | 1.671 | 1.589 | 4.9  | 120   | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 0.796 | 0.768 | 3.5  | 124   | 0.00     |
| 62   | 4-Nitroaniline             | 0.392 | 0.384 | 2.0  | 116   | 0.00     |
| 63   | Azobenzene                 | 1.598 | 1.538 | 3.8  | 122   | 0.00     |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0  | 116   | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 0.108 | 0.108 | 0.0  | 111   | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 0.510 | 0.525 | -2.9 | 121   | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 0.211 | 0.213 | -0.9 | 120   | 0.00     |
| 68   | Hexachlorobenzene          | 0.223 | 0.224 | -0.4 | 117   | 0.00     |
| 69   | Atrazine                   | 0.190 | 0.174 | 8.4  | 108   | 0.00     |
| 70 C | Pentachlorophenol          | 0.170 | 0.163 | 4.1  | 107   | 0.00     |
| 71   | Phenanthrene               | 0.960 | 0.948 | 1.3  | 114   | 0.00     |
| 72   | Anthracene                 | 0.990 | 0.978 | 1.2  | 113   | 0.00     |
| 73   | Carbazole                  | 0.941 | 0.912 | 3.1  | 108   | 0.00     |
| 74   | Di-n-butylphthalate        | 1.164 | 1.115 | 4.2  | 106   | 0.00     |
| 75 C | Fluoranthene               | 1.209 | 1.119 | 7.4  | 103   | 0.00     |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0  | 101   | 0.00     |
| 77   | Benzydine                  | 0.469 | 0.484 | -3.2 | 95    | 0.00     |
| 78   | Pyrene                     | 1.428 | 1.407 | 1.5  | 102   | 0.00     |
| 79 S | Terphenyl-d14              | 1.097 | 1.062 | 3.2  | 100   | 0.00     |
| 80   | Butylbenzylphthalate       | 0.579 | 0.588 | -1.6 | 101   | 0.00     |
| 81   | Benzo(a)anthracene         | 1.384 | 1.358 | 1.9  | 99    | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 0.492 | 0.488 | 0.8  | 100   | 0.00     |
| 83   | Chrysene                   | 1.310 | 1.290 | 1.5  | 101   | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 0.822 | 0.826 | -0.5 | 102   | 0.00     |
| 85 c | Di-n-octyl phthalate       | 1.451 | 1.480 | -2.0 | 102   | 0.00     |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0  | 102   | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 1.325 | 1.340 | -1.1 | 102   | 0.00     |
| 88   | Benzo(b)fluoranthene       | 1.091 | 1.073 | 1.6  | 99    | 0.00     |
| 89   | Benzo(k)fluoranthene       | 1.102 | 1.112 | -0.9 | 102   | 0.00     |
| 90 C | Benzo(a)pyrene             | 1.081 | 1.076 | 0.5  | 100   | 0.00     |
| 91   | Dibenzo(a,h)anthracene     | 1.099 | 1.117 | -1.6 | 103   | 0.00     |
| 92   | Benzo(g,h,i)perylene       | 1.092 | 1.113 | -1.9 | 103   | 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