

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG042221\  
 Data File : BG048839.D  
 Acq On : 22 Apr 2021 9:20  
 Operator : CG/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Apr 22 11:48:12 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG041421.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Apr 20 17:33:30 2021  
 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   | 112   | 0.00     |
| 2    | 1,4-Dioxane                 | 0.469 | 0.430 | 8.3   | 101   | 0.00     |
| 3    | Pyridine                    | 1.221 | 1.277 | -4.6  | 111   | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.932 | 0.963 | -3.3  | 112   | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.196 | 1.225 | -2.4  | 116   | 0.00     |
| 6    | Aniline                     | 1.898 | 1.933 | -1.8  | 109   | 0.00     |
| 7 S  | Phenol-d6                   | 1.691 | 1.752 | -3.6  | 115   | 0.00     |
| 8    | 2-Chlorophenol              | 1.269 | 1.287 | -1.4  | 115   | 0.00     |
| 9    | Benzaldehyde                | 1.121 | 1.181 | -5.4  | 122   | 0.00     |
| 10 C | Phenol                      | 1.663 | 1.749 | -5.2  | 119   | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.121 | 1.129 | -0.7  | 115   | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.459 | 1.512 | -3.6  | 119   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.486 | 1.504 | -1.2  | 114   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.371 | 1.417 | -3.4  | 114   | 0.00     |
| 15   | Benzyl Alcohol              | 1.490 | 1.532 | -2.8  | 111   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 1.215 | 1.266 | -4.2  | 113   | 0.00     |
| 17   | 2-Methylphenol              | 1.062 | 1.103 | -3.9  | 113   | 0.00     |
| 18   | Hexachloroethane            | 0.584 | 0.585 | -0.2  | 111   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 1.141 | 1.187 | -4.0  | 116   | 0.00     |
| 20   | 3+4-Methylphenols           | 1.465 | 1.493 | -1.9  | 111   | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0   | 109   | 0.00     |
| 22   | Acetophenone                | 0.521 | 0.516 | 1.0   | 112   | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.447 | 0.462 | -3.4  | 113   | 0.00     |
| 24   | Nitrobenzene                | 0.446 | 0.454 | -1.8  | 112   | 0.00     |
| 25   | Isophorone                  | 0.790 | 0.782 | 1.0   | 108   | 0.00     |
| 26 C | 2-Nitrophenol               | 0.193 | 0.190 | 1.6   | 106   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.296 | 0.303 | -2.4  | 114   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.344 | 0.363 | -5.5  | 115   | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.334 | 0.345 | -3.3  | 113   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.388 | 0.381 | 1.8   | 112   | 0.00     |
| 31   | Naphthalene                 | 1.026 | 1.028 | -0.2  | 109   | 0.00     |
| 32   | Benzoic acid                | 0.174 | 0.104 | 40.2# | 64    | 0.01     |
| 33   | 4-Chloroaniline             | 0.427 | 0.438 | -2.6  | 110   | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.288 | 0.287 | 0.3   | 106   | 0.00     |
| 35   | Caprolactam                 | 0.114 | 0.112 | 1.8   | 109   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.379 | 0.389 | -2.6  | 115   | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.820 | 0.829 | -1.1  | 112   | 0.00     |
| 38   | 1-Methylnaphthalene         | 0.763 | 0.752 | 1.4   | 109   | 0.00     |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0   | 108   | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.651 | 0.662 | -1.7  | 107   | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 0.304 | 0.256 | 15.8  | 85    | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 0.268 | 0.251 | 6.3   | 99    | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 0.434 | 0.420 | 3.2   | 100   | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 0.461 | 0.454 | 1.5   | 103   | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 1.385 | 1.398 | -0.9  | 108   | 0.00     |
| 46   | 1,1'-Biphenyl               | 1.477 | 1.497 | -1.4  | 108   | 0.00     |
| 47   | 2-Chloronaphthalene         | 1.128 | 1.174 | -4.1  | 111   | 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             | 0.406 | 0.431 | -6.2  | 105   | 0.00     |
| 49   | Acenaphthylene             | 1.761 | 1.770 | -0.5  | 107   | 0.00     |
| 50   | Dimethylphthalate          | 1.500 | 1.508 | -0.5  | 106   | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 0.346 | 0.347 | -0.3  | 104   | 0.00     |
| 52 C | Acenaphthene               | 1.118 | 1.138 | -1.8  | 106   | 0.00     |
| 53   | 3-Nitroaniline             | 0.332 | 0.334 | -0.6  | 109   | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 0.180 | 0.203 | -12.8 | 110   | 0.01     |
| 55   | Dibenzofuran               | 1.851 | 1.882 | -1.7  | 106   | 0.00     |
| 56 P | 4-Nitrophenol              | 0.246 | 0.232 | 5.7   | 96    | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 0.503 | 0.492 | 2.2   | 102   | 0.00     |
| 58   | Fluorene                   | 1.520 | 1.570 | -3.3  | 109   | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.427 | 0.381 | 10.8  | 92    | 0.00     |
| 60   | Diethylphthalate           | 1.552 | 1.555 | -0.2  | 107   | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 0.836 | 0.828 | 1.0   | 106   | 0.00     |
| 62   | 4-Nitroaniline             | 0.355 | 0.384 | -8.2  | 118   | 0.00     |
| 63   | Azobenzene                 | 1.563 | 1.594 | -2.0  | 109   | 0.00     |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0   | 105   | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 0.134 | 0.131 | 2.2   | 97    | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 0.565 | 0.563 | 0.4   | 105   | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 0.230 | 0.228 | 0.9   | 110   | 0.00     |
| 68   | Hexachlorobenzene          | 0.233 | 0.238 | -2.1  | 107   | 0.00     |
| 69   | Atrazine                   | 0.235 | 0.232 | 1.3   | 106   | 0.00     |
| 70 C | Pentachlorophenol          | 0.124 | 0.116 | 6.5   | 99    | 0.00     |
| 71   | Phenanthrene               | 1.038 | 1.029 | 0.9   | 105   | 0.00     |
| 72   | Anthracene                 | 1.027 | 1.042 | -1.5  | 108   | 0.00     |
| 73   | Carbazole                  | 0.984 | 0.994 | -1.0  | 108   | 0.00     |
| 74   | Di-n-butylphthalate        | 1.103 | 1.131 | -2.5  | 111   | 0.00     |
| 75 C | Fluoranthene               | 1.313 | 1.299 | 1.1   | 106   | 0.00     |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0   | 110   | 0.00     |
| 77   | Benzydine                  | 0.543 | 0.564 | -3.9  | 94    | 0.00     |
| 78   | Pyrene                     | 1.384 | 1.381 | 0.2   | 107   | 0.00     |
| 79 S | Terphenyl-d14              | 1.162 | 1.110 | 4.5   | 105   | 0.00     |
| 80   | Butylbenzylphthalate       | 0.541 | 0.535 | 1.1   | 108   | 0.00     |
| 81   | Benzo(a)anthracene         | 1.367 | 1.338 | 2.1   | 106   | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 0.469 | 0.436 | 7.0   | 101   | 0.00     |
| 83   | Chrysene                   | 1.302 | 1.269 | 2.5   | 105   | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 0.757 | 0.751 | 0.8   | 107   | 0.00     |
| 85 c | Di-n-octyl phthalate       | 1.290 | 1.273 | 1.3   | 106   | 0.00     |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0   | 104   | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 1.469 | 1.426 | 2.9   | 102   | 0.00     |
| 88   | Benzo(b)fluoranthene       | 1.357 | 1.324 | 2.4   | 102   | 0.00     |
| 89   | Benzo(k)fluoranthene       | 1.276 | 1.291 | -1.2  | 106   | 0.00     |
| 90 C | Benzo(a)pyrene             | 1.250 | 1.243 | 0.6   | 105   | 0.00     |
| 91   | Dibenzo(a,h)anthracene     | 1.260 | 1.248 | 1.0   | 106   | 0.01     |
| 92   | Benzo(g,h,i)perylene       | 1.244 | 1.193 | 4.1   | 102   | 0.01     |

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(#) = Out of Range                      SPCC's out = 0    CCC's out = 0