

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF052722\  
 Data File : BF128514.D  
 Acq On : 27 May 2022 17:20  
 Operator : CG\JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: May 27 23:18:47 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF052622.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri May 27 01:51:59 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                 | 0.538 | 0.516 | 4.1   | 111   | 0.00     |
| 3    | Pyridine                    | 1.394 | 1.354 | 2.9   | 114   | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.730 | 0.711 | 2.6   | 111   | 0.01     |
| 5 S  | 2-Fluorophenol              | 1.207 | 1.133 | 6.1   | 112   | 0.00     |
| 6    | Aniline                     | 1.796 | 1.817 | -1.2  | 114   | 0.00     |
| 7 S  | Phenol-d6                   | 1.540 | 1.447 | 6.0   | 113   | 0.00     |
| 8    | 2-Chlorophenol              | 1.252 | 1.202 | 4.0   | 114   | 0.00     |
| 9    | Benzaldehyde                | 0.745 | 0.713 | 4.3   | 119   | 0.00     |
| 10 C | Phenol                      | 1.526 | 1.458 | 4.5   | 115   | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.249 | 1.198 | 4.1   | 116   | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.422 | 1.372 | 3.5   | 115   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.439 | 1.376 | 4.4   | 114   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.324 | 1.270 | 4.1   | 115   | 0.00     |
| 15   | Benzyl Alcohol              | 1.174 | 1.121 | 4.5   | 112   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 2.210 | 2.151 | 2.7   | 115   | 0.00     |
| 17   | 2-Methylphenol              | 1.066 | 1.021 | 4.2   | 113   | 0.00     |
| 18   | Hexachloroethane            | 0.508 | 0.516 | -1.6  | 120   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 0.944 | 0.891 | 5.6   | 116   | 0.00     |
| 20   | 3+4-Methylphenols           | 1.287 | 1.185 | 7.9   | 112   | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0   | 116   | 0.00     |
| 22   | Acetophenone                | 0.461 | 0.435 | 5.6   | 115   | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.347 | 0.362 | -4.3  | 119   | 0.00     |
| 24   | Nitrobenzene                | 0.343 | 0.347 | -1.2  | 117   | 0.00     |
| 25   | Isophorone                  | 0.640 | 0.631 | 1.4   | 117   | 0.00     |
| 26 C | 2-Nitrophenol               | 0.143 | 0.169 | -18.2 | 130   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.285 | 0.279 | 2.1   | 117   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.415 | 0.407 | 1.9   | 118   | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.295 | 0.292 | 1.0   | 117   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.319 | 0.311 | 2.5   | 116   | 0.00     |
| 31   | Naphthalene                 | 0.979 | 0.942 | 3.8   | 116   | 0.00     |
| 32   | Benzoic acid                | 0.201 | 0.238 | -18.4 | 127   | 0.00     |
| 33   | 4-Chloroaniline             | 0.390 | 0.374 | 4.1   | 113   | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.202 | 0.202 | 0.0   | 118   | 0.00     |
| 35   | Caprolactam                 | 0.091 | 0.090 | 1.1   | 115   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.303 | 0.300 | 1.0   | 117   | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.618 | 0.594 | 3.9   | 116   | 0.00     |
| 38   | 1-Methylnaphthalene         | 0.601 | 0.580 | 3.5   | 118   | 0.00     |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0   | 116   | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.549 | 0.543 | 1.1   | 119   | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 0.309 | 0.335 | -8.4  | 122   | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 0.190 | 0.193 | -1.6  | 119   | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 0.405 | 0.405 | 0.0   | 117   | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 0.417 | 0.417 | 0.0   | 117   | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 1.231 | 1.155 | 6.2   | 117   | 0.00     |
| 46   | 1,1'-Biphenyl               | 1.404 | 1.349 | 3.9   | 117   | 0.00     |
| 47   | 2-Chloronaphthalene         | 1.102 | 1.064 | 3.4   | 114   | 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             | 0.307 | 0.357 | -16.3  | 128   | 0.00     |
| 49   | Acenaphthylene             | 1.694 | 1.621 | 4.3    | 115   | 0.00     |
| 50   | Dimethylphthalate          | 1.297 | 1.271 | 2.0    | 118   | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 0.238 | 0.272 | -14.3  | 125   | 0.00     |
| 52 C | Acenaphthene               | 1.045 | 1.042 | 0.3    | 119   | 0.00     |
| 53   | 3-Nitroaniline             | 0.275 | 0.299 | -8.7   | 121   | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 0.100 | 0.138 | -38.0# | 155#  | 0.00     |
| 55   | Dibenzofuran               | 1.550 | 1.485 | 4.2    | 114   | 0.00     |
| 56 P | 4-Nitrophenol              | 0.223 | 0.236 | -5.8   | 115   | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 0.284 | 0.347 | -22.2  | 128   | 0.00     |
| 58   | Fluorene                   | 1.116 | 1.055 | 5.5    | 116   | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.338 | 0.342 | -1.2   | 119   | 0.00     |
| 60   | Diethylphthalate           | 1.260 | 1.243 | 1.3    | 116   | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 0.566 | 0.544 | 3.9    | 118   | 0.00     |
| 62   | 4-Nitroaniline             | 0.263 | 0.292 | -11.0  | 121   | 0.00     |
| 63   | Azobenzene                 | 1.283 | 1.257 | 2.0    | 118   | 0.00     |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0    | 115   | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 0.083 | 0.110 | -32.5# | 147   | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 0.599 | 0.579 | 3.3    | 115   | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 0.207 | 0.206 | 0.5    | 118   | 0.00     |
| 68   | Hexachlorobenzene          | 0.228 | 0.224 | 1.8    | 116   | 0.00     |
| 69   | Atrazine                   | 0.186 | 0.177 | 4.8    | 112   | 0.00     |
| 70 C | Pentachlorophenol          | 0.139 | 0.143 | -2.9   | 114   | 0.00     |
| 71   | Phenanthrene               | 0.947 | 0.900 | 5.0    | 114   | 0.00     |
| 72   | Anthracene                 | 0.946 | 0.889 | 6.0    | 114   | 0.00     |
| 73   | Carbazole                  | 0.907 | 0.850 | 6.3    | 112   | 0.00     |
| 74   | Di-n-butylphthalate        | 1.067 | 1.027 | 3.7    | 113   | 0.00     |
| 75 C | Fluoranthene               | 1.013 | 0.942 | 7.0    | 110   | 0.00     |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0    | 107   | 0.00     |
| 77   | Benzidine                  | 0.461 | 0.433 | 6.1    | 94    | 0.00     |
| 78   | Pyrene                     | 1.507 | 1.551 | -2.9   | 112   | 0.00     |
| 79 S | Terphenyl-d14              | 1.035 | 1.057 | -2.1   | 113   | 0.00     |
| 80   | Butylbenzylphthalate       | 0.636 | 0.681 | -7.1   | 112   | 0.00     |
| 81   | Benzo(a)anthracene         | 1.189 | 1.123 | 5.6    | 106   | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 0.304 | 0.297 | 2.3    | 105   | 0.00     |
| 83   | Chrysene                   | 1.217 | 1.182 | 2.9    | 105   | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 0.769 | 0.817 | -6.2   | 115   | 0.00     |
| 85 c | Di-n-octyl phthalate       | 1.353 | 1.410 | -4.2   | 110   | 0.00     |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0    | 104   | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 1.180 | 1.208 | -2.4   | 108   | 0.00     |
| 88   | Benzo(b)fluoranthene       | 1.244 | 1.184 | 4.8    | 96    | 0.00     |
| 89   | Benzo(k)fluoranthene       | 1.153 | 1.217 | -5.6   | 115   | 0.00     |
| 90 C | Benzo(a)pyrene             | 0.998 | 0.985 | 1.3    | 104   | 0.00     |
| 91   | Dibenzo(a,h)anthracene     | 0.978 | 1.002 | -2.5   | 108   | 0.00     |
| 92   | Benzo(g,h,i)perylene       | 0.970 | 0.977 | -0.7   | 105   | 0.00     |

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

(#) = Out of Range

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