

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083120\  
 Data File : BF121473.D  
 Acq On : 31 Aug 2020 12:35  
 Operator : JU/CG  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Aug 31 14:43:29 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082720.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Aug 28 09:25:49 2020  
 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                    | AvqRF | CCRF  | %Dev   | Area% | Dev(min) |
|------|-----------------------------|-------|-------|--------|-------|----------|
| 1 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0    | 92    | 0.00     |
| 2    | 1,4-Dioxane                 | 0.568 | 0.522 | 8.1    | 93    | -0.01    |
| 3    | Pyridine                    | 1.548 | 1.453 | 6.1    | 93    | -0.01    |
| 4    | n-Nitrosodimethylamine      | 0.684 | 0.599 | 12.4   | 86    | -0.01    |
| 5 S  | 2-Fluorophenol              | 1.192 | 1.118 | 6.2    | 93    | 0.00     |
| 6    | Aniline                     | 1.977 | 1.835 | 7.2    | 89    | 0.00     |
| 7 S  | Phenol-d6                   | 1.666 | 1.539 | 7.6    | 92    | 0.00     |
| 8    | 2-Chlorophenol              | 1.210 | 1.198 | 1.0    | 93    | 0.00     |
| 9    | Benzaldehyde                | 0.817 | 0.863 | -5.6   | 99    | 0.00     |
| 10 C | Phenol                      | 1.630 | 1.600 | 1.8    | 92    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.324 | 1.193 | 9.9    | 90    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.457 | 1.337 | 8.2    | 92    | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.460 | 1.345 | 7.9    | 92    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.359 | 1.252 | 7.9    | 92    | 0.00     |
| 15   | Benzyl Alcohol              | 1.093 | 1.046 | 4.3    | 91    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 1.961 | 1.767 | 9.9    | 89    | 0.00     |
| 17   | 2-Methylphenol              | 1.053 | 0.971 | 7.8    | 90    | 0.00     |
| 18   | Hexachloroethane            | 0.500 | 0.497 | 0.6    | 94    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 0.931 | 0.850 | 8.7    | 89    | 0.00     |
| 20   | 3+4-Methylphenols           | 1.274 | 1.192 | 6.4    | 92    | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0    | 92    | 0.00     |
| 22   | Acetophenone                | 0.493 | 0.434 | 12.0   | 90    | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.293 | 0.335 | -14.3  | 104   | 0.00     |
| 24   | Nitrobenzene                | 0.293 | 0.339 | -15.7  | 100   | 0.00     |
| 25   | Isophorone                  | 0.658 | 0.593 | 9.9    | 90    | 0.00     |
| 26 C | 2-Nitrophenol               | 0.099 | 0.149 | -50.5# | 135   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.273 | 0.245 | 10.3   | 87    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.447 | 0.410 | 8.3    | 91    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.269 | 0.269 | 0.0    | 93    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.330 | 0.299 | 9.4    | 91    | 0.00     |
| 31   | Naphthalene                 | 0.993 | 0.897 | 9.7    | 92    | 0.00     |
| 32   | Benzoic acid                | 0.151 | 0.207 | -37.1# | 133   | 0.00     |
| 33   | 4-Chloroaniline             | 0.442 | 0.399 | 9.7    | 90    | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.196 | 0.178 | 9.2    | 91    | 0.00     |
| 35   | Caprolactam                 | 0.088 | 0.093 | -5.7   | 97    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.284 | 0.273 | 3.9    | 93    | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.658 | 0.598 | 9.1    | 91    | 0.00     |
| 38   | 1-Methylnaphthalene         | 0.621 | 0.572 | 7.9    | 92    | 0.00     |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0    | 93    | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.593 | 0.543 | 8.4    | 93    | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 0.249 | 0.249 | 0.0    | 91    | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 0.202 | 0.227 | -12.4  | 102   | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 0.375 | 0.381 | -1.6   | 94    | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 0.371 | 0.397 | -7.0   | 100   | 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) |
|------|----------------------------|-------|-------|--------|-------|----------|
| 45 S | 2-Fluorobiphenyl           | 1.240 | 1.106 | 10.8   | 93    | 0.00     |
| 46   | 1,1'-Biphenyl              | 1.509 | 1.386 | 8.2    | 94    | 0.00     |
| 47   | 2-Chloronaphthalene        | 1.240 | 1.134 | 8.5    | 93    | 0.00     |
| 48   | 2-Nitroaniline             | 0.270 | 0.371 | -37.4# | 115   | 0.00     |
| 49   | Acenaphthylene             | 1.861 | 1.714 | 7.9    | 94    | 0.00     |
| 50   | Dimethylphthalate          | 1.374 | 1.294 | 5.8    | 95    | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 0.201 | 0.278 | -38.3# | 115   | 0.00     |
| 52 C | Acenaphthene               | 1.175 | 1.096 | 6.7    | 95    | 0.00     |
| 53   | 3-Nitroaniline             | 0.264 | 0.348 | -31.8# | 109   | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 0.071 | 0.099 | -39.4# | 149   | 0.00     |
| 55   | Dibenzofuran               | 1.707 | 1.577 | 7.6    | 94    | 0.00     |
| 56 P | 4-Nitrophenol              | 0.215 | 0.258 | -20.0  | 111   | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 0.238 | 0.358 | -50.4# | 125   | 0.00     |
| 58   | Fluorene                   | 1.287 | 1.171 | 9.0    | 95    | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.309 | 0.337 | -9.1   | 98    | 0.00     |
| 60   | Diethylphthalate           | 1.380 | 1.299 | 5.9    | 94    | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 0.645 | 0.598 | 7.3    | 97    | 0.00     |
| 62   | 4-Nitroaniline             | 0.284 | 0.354 | -24.6  | 108   | 0.00     |
| 63   | Azobenzene                 | 1.365 | 1.257 | 7.9    | 94    | 0.00     |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0    | 96    | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 0.052 | 0.068 | -30.8# | 141   | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 0.633 | 0.572 | 9.6    | 94    | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 0.220 | 0.202 | 8.2    | 96    | 0.00     |
| 68   | Hexachlorobenzene          | 0.257 | 0.235 | 8.6    | 97    | 0.00     |
| 69   | Atrazine                   | 0.183 | 0.177 | 3.3    | 98    | 0.00     |
| 70 C | Pentachlorophenol          | 0.118 | 0.133 | -12.7  | 102   | 0.00     |
| 71   | Phenanthrene               | 1.026 | 0.917 | 10.6   | 96    | 0.00     |
| 72   | Anthracene                 | 1.009 | 0.902 | 10.6   | 95    | 0.00     |
| 73   | Carbazole                  | 0.973 | 0.893 | 8.2    | 98    | 0.00     |
| 74   | Di-n-butylphthalate        | 1.081 | 1.008 | 6.8    | 97    | 0.00     |
| 75 C | Fluoranthene               | 1.106 | 1.005 | 9.1    | 97    | 0.00     |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0    | 98    | 0.00     |
| 77   | Benzidine                  | 0.436 | 0.452 | -3.7   | 107   | 0.00     |
| 78   | Pyrene                     | 1.428 | 1.315 | 7.9    | 98    | 0.00     |
| 79 S | Terphenyl-d14              | 0.950 | 0.842 | 11.4   | 100   | 0.00     |
| 80   | Butylbenzylphthalate       | 0.550 | 0.574 | -4.4   | 100   | 0.00     |
| 81   | Benzo(a)anthracene         | 1.221 | 1.096 | 10.2   | 99    | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 0.447 | 0.446 | 0.2    | 104   | 0.00     |
| 83   | Chrysene                   | 1.221 | 1.084 | 11.2   | 97    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 0.711 | 0.708 | 0.4    | 102   | 0.00     |
| 85 c | Di-n-octyl phthalate       | 1.204 | 1.245 | -3.4   | 100   | 0.00     |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0    | 96    | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 1.231 | 1.025 | 16.7   | 93    | 0.00     |

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|      | Compound               | AvgRF | CCRF  | %Dev | Area% | Dev(min) |
|------|------------------------|-------|-------|------|-------|----------|
| 88   | Benzo(b)fluoranthene   | 1.301 | 1.139 | 12.5 | 92    | 0.00     |
| 89   | Benzo(k)fluoranthene   | 1.210 | 1.066 | 11.9 | 99    | 0.00     |
| 90 C | Benzo(a)pyrene         | 1.170 | 1.012 | 13.5 | 94    | 0.00     |
| 91   | Dibenzo(a,h)anthracene | 1.007 | 0.836 | 17.0 | 91    | 0.00     |
| 92   | Benzo(q,h,i)perylene   | 0.970 | 0.806 | 16.9 | 93    | 0.00     |

(#) = Out of Range

SPCC's out = 0 CCC's out = 1