

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF092421\  
 Data File : BF125625.D  
 Acq On : 24 Sep 2021 17:28  
 Operator : JU/CG  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Sep 24 19:05:41 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF092421.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Sep 24 15:38:32 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    | 110   | 0.00     |
| 2    | 1,4-Dioxane                 | 0.517 | 0.462 | 10.6   | 101   | 0.00     |
| 3    | Pyridine                    | 1.366 | 1.225 | 10.3   | 100   | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.507 | 0.452 | 10.8   | 102   | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.214 | 1.096 | 9.7    | 102   | 0.00     |
| 6    | Aniline                     | 1.884 | 1.658 | 12.0   | 102   | 0.00     |
| 7 S  | Phenol-d6                   | 1.632 | 1.448 | 11.3   | 102   | 0.00     |
| 8    | 2-Chlorophenol              | 1.377 | 1.265 | 8.1    | 103   | 0.00     |
| 9    | Benzaldehyde                | 0.848 | 0.741 | 12.6   | 110   | 0.00     |
| 10 C | Phenol                      | 1.650 | 1.474 | 10.7   | 100   | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.282 | 1.120 | 12.6   | 103   | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.520 | 1.348 | 11.3   | 104   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.547 | 1.351 | 12.7   | 102   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.460 | 1.282 | 12.2   | 103   | 0.00     |
| 15   | Benzyl Alcohol              | 1.132 | 1.015 | 10.3   | 102   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 1.632 | 1.414 | 13.4   | 103   | 0.00     |
| 17   | 2-Methylphenol              | 1.129 | 1.004 | 11.1   | 103   | 0.00     |
| 18   | Hexachloroethane            | 0.502 | 0.458 | 8.8    | 104   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 0.929 | 0.796 | 14.3   | 102   | 0.00     |
| 20   | 3+4-Methylphenols           | 1.420 | 1.256 | 11.5   | 102   | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0    | 110   | 0.00     |
| 22   | Acetophenone                | 0.454 | 0.402 | 11.5   | 103   | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.287 | 0.291 | -1.4   | 111   | 0.00     |
| 24   | Nitrobenzene                | 0.292 | 0.302 | -3.4   | 109   | 0.00     |
| 25   | Isophorone                  | 0.642 | 0.569 | 11.4   | 103   | 0.00     |
| 26 C | 2-Nitrophenol               | 0.124 | 0.154 | -24.2# | 128   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.286 | 0.262 | 8.4    | 105   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.362 | 0.323 | 10.8   | 103   | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.284 | 0.269 | 5.3    | 104   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.309 | 0.276 | 10.7   | 102   | 0.00     |
| 31   | Naphthalene                 | 1.027 | 0.908 | 11.6   | 102   | 0.00     |
| 32   | Benzoic acid                | 0.181 | 0.196 | -8.3   | 123   | 0.00     |
| 33   | 4-Chloroaniline             | 0.431 | 0.381 | 11.6   | 102   | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.170 | 0.152 | 10.6   | 104   | 0.00     |
| 35   | Caprolactam                 | 0.093 | 0.085 | 8.6    | 104   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.297 | 0.276 | 7.1    | 105   | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.696 | 0.617 | 11.4   | 102   | 0.00     |
| 38   | 1-Methylnaphthalene         | 0.658 | 0.580 | 11.9   | 101   | 0.00     |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0    | 111   | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.520 | 0.460 | 11.5   | 104   | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 0.220 | 0.213 | 3.2    | 105   | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 0.186 | 0.182 | 2.2    | 107   | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 0.365 | 0.352 | 3.6    | 106   | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 0.394 | 0.378 | 4.1    | 105   | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 1.238 | 1.056 | 14.7   | 103   | 0.00     |
| 46   | 1,1'-Biphenyl               | 1.475 | 1.287 | 12.7   | 101   | 0.00     |
| 47   | 2-Chloronaphthalene         | 1.221 | 1.076 | 11.9   | 103   | 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             | 0.245 | 0.271 | -10.6 | 114   | 0.00     |
| 49   | Acenaphthylene             | 1.838 | 1.624 | 11.6  | 102   | 0.00     |
| 50   | Dimethylphthalate          | 1.347 | 1.195 | 11.3  | 104   | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 0.233 | 0.271 | -16.3 | 120   | 0.00     |
| 52 C | Acenaphthene               | 1.152 | 1.006 | 12.7  | 103   | 0.00     |
| 53   | 3-Nitroaniline             | 0.275 | 0.304 | -10.5 | 115   | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 0.095 | 0.107 | -12.6 | 138   | 0.00     |
| 55   | Dibenzofuran               | 1.729 | 1.513 | 12.5  | 103   | 0.00     |
| 56 P | 4-Nitrophenol              | 0.248 | 0.262 | -5.6  | 117   | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 0.284 | 0.349 | -22.9 | 127   | 0.00     |
| 58   | Fluorene                   | 1.346 | 1.109 | 17.6  | 102   | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.303 | 0.296 | 2.3   | 107   | 0.00     |
| 60   | Diethylphthalate           | 1.299 | 1.145 | 11.9  | 103   | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 0.598 | 0.501 | 16.2  | 104   | 0.00     |
| 62   | 4-Nitroaniline             | 0.280 | 0.298 | -6.4  | 112   | 0.00     |
| 63   | Azobenzene                 | 1.254 | 1.104 | 12.0  | 104   | 0.00     |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0   | 113   | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 0.083 | 0.093 | -12.0 | 131   | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 0.687 | 0.597 | 13.1  | 103   | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 0.210 | 0.184 | 12.4  | 103   | 0.00     |
| 68   | Hexachlorobenzene          | 0.246 | 0.214 | 13.0  | 103   | 0.00     |
| 69   | Atrazine                   | 0.182 | 0.169 | 7.1   | 104   | 0.00     |
| 70 C | Pentachlorophenol          | 0.130 | 0.134 | -3.1  | 109   | 0.00     |
| 71   | Phenanthrene               | 1.122 | 0.967 | 13.8  | 101   | 0.00     |
| 72   | Anthracene                 | 1.108 | 0.974 | 12.1  | 102   | 0.00     |
| 73   | Carbazole                  | 1.091 | 0.951 | 12.8  | 103   | 0.00     |
| 74   | Di-n-butylphthalate        | 1.100 | 1.004 | 8.7   | 107   | 0.00     |
| 75 C | Fluoranthene               | 1.199 | 0.958 | 20.1# | 103   | 0.00     |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0   | 116   | 0.00     |
| 77   | Benzydine                  | 0.525 | 0.478 | 9.0   | 100   | 0.00     |
| 78   | Pyrene                     | 1.807 | 1.711 | 5.3   | 103   | 0.00     |
| 79 S | Terphenyl-d14              | 1.155 | 1.061 | 8.1   | 105   | 0.00     |
| 80   | Butylbenzylphthalate       | 0.599 | 0.590 | 1.5   | 112   | 0.00     |
| 81   | Benzo(a)anthracene         | 1.359 | 1.211 | 10.9  | 107   | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 0.392 | 0.357 | 8.9   | 114   | 0.00     |
| 83   | Chrysene                   | 1.363 | 1.200 | 12.0  | 108   | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 0.685 | 0.641 | 6.4   | 116   | 0.00     |
| 85 c | Di-n-octyl phthalate       | 1.005 | 0.967 | 3.8   | 120   | 0.00     |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0   | 108   | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 1.358 | 1.319 | 2.9   | 95    | 0.00     |
| 88   | Benzo(b)fluoranthene       | 1.401 | 1.256 | 10.3  | 105   | 0.00     |
| 89   | Benzo(k)fluoranthene       | 1.343 | 1.156 | 13.9  | 106   | 0.00     |
| 90 C | Benzo(a)pyrene             | 1.247 | 1.112 | 10.8  | 102   | 0.00     |
| 91   | Dibenzo(a,h)anthracene     | 1.135 | 1.121 | 1.2   | 97    | 0.00     |
| 92   | Benzo(g,h,i)perylene       | 1.159 | 1.143 | 1.4   | 95    | 0.00     |

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|----------|-------|------|------|-------|----------|
|----------|-------|------|------|-------|----------|

(#) = Out of Range

SPCC's out = 0 CCC's out = 2