

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF121520\  
 Data File : BF122717.D  
 Acq On : 15 Dec 2020 12:12  
 Operator : JU/CG  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Dec 15 18:25:03 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF120520.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Dec 15 18:14:23 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                    | AvgRF | CCRF  | %Dev | Area% | Dev(min) |
|------|-----------------------------|-------|-------|------|-------|----------|
| 1 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0  | 79    | 0.00     |
| 2    | 1,4-Dioxane                 | 0.594 | 0.579 | 2.5  | 77    | 0.00     |
| 3    | Pyridine                    | 1.569 | 1.556 | 0.8  | 76    | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.629 | 0.592 | 5.9  | 73    | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.263 | 1.246 | 1.3  | 78    | 0.00     |
| 6    | Aniline                     | 1.972 | 1.921 | 2.6  | 76    | 0.00     |
| 7 S  | Phenol-d6                   | 1.675 | 1.625 | 3.0  | 77    | 0.00     |
| 8    | 2-Chlorophenol              | 1.392 | 1.350 | 3.0  | 76    | 0.00     |
| 9    | Benzaldehyde                | 1.014 | 1.022 | -0.8 | 90    | 0.00     |
| 10 C | Phenol                      | 1.736 | 1.691 | 2.6  | 77    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.326 | 1.283 | 3.2  | 76    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.648 | 1.593 | 3.3  | 76    | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.661 | 1.601 | 3.6  | 77    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.604 | 1.469 | 8.4  | 76    | 0.00     |
| 15   | Benzyl Alcohol              | 1.154 | 1.117 | 3.2  | 74    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 1.891 | 1.732 | 8.4  | 72    | 0.00     |
| 17   | 2-Methylphenol              | 1.107 | 1.088 | 1.7  | 75    | 0.00     |
| 18   | Hexachloroethane            | 0.592 | 0.570 | 3.7  | 76    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 0.960 | 0.875 | 8.9  | 72    | 0.00     |
| 20   | 3+4-Methylphenols           | 1.398 | 1.292 | 7.6  | 75    | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0  | 77    | 0.00     |
| 22   | Acetophenone                | 0.497 | 0.478 | 3.8  | 74    | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.399 | 0.389 | 2.5  | 74    | 0.00     |
| 24   | Nitrobenzene                | 0.397 | 0.386 | 2.8  | 74    | 0.00     |
| 25   | Isophorone                  | 0.688 | 0.656 | 4.7  | 72    | 0.00     |
| 26 C | 2-Nitrophenol               | 0.194 | 0.201 | -3.6 | 76    | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.284 | 0.280 | 1.4  | 74    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.471 | 0.455 | 3.4  | 73    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.332 | 0.325 | 2.1  | 74    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.376 | 0.367 | 2.4  | 75    | 0.00     |
| 31   | Naphthalene                 | 1.104 | 1.070 | 3.1  | 74    | 0.00     |
| 32   | Benzoic acid                | 0.226 | 0.212 | 6.2  | 66    | 0.00     |
| 33   | 4-Chloroaniline             | 0.461 | 0.455 | 1.3  | 75    | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.231 | 0.224 | 3.0  | 74    | 0.00     |
| 35   | Caprolactam                 | 0.100 | 0.097 | 3.0  | 72    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.327 | 0.319 | 2.4  | 73    | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.730 | 0.701 | 4.0  | 73    | 0.00     |
| 38   | 1-Methylnaphthalene         | 0.691 | 0.657 | 4.9  | 73    | 0.00     |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0  | 74    | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.662 | 0.657 | 0.8  | 73    | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 0.293 | 0.306 | -4.4 | 72    | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 0.262 | 0.255 | 2.7  | 70    | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 0.458 | 0.454 | 0.9  | 71    | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 0.473 | 0.461 | 2.5  | 71    | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 1.479 | 1.359 | 8.1  | 72    | 0.00     |
| 46   | 1,1'-Biphenyl               | 1.660 | 1.631 | 1.7  | 73    | 0.00     |
| 47   | 2-Chloronaphthalene         | 1.375 | 1.358 | 1.2  | 73    | 0.00     |

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 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) |
|------|----------------------------|-------|-------|--------|-------|----------|
| 48   | 2-Nitroaniline             | 0.401 | 0.387 | 3.5    | 68    | 0.00     |
| 49   | Acenaphthylene             | 2.031 | 1.993 | 1.9    | 73    | 0.00     |
| 50   | Dimethylphthalate          | 1.597 | 1.526 | 4.4    | 70    | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 0.337 | 0.339 | -0.6   | 72    | 0.00     |
| 52 C | Acenaphthene               | 1.314 | 1.198 | 8.8    | 66    | 0.00     |
| 53   | 3-Nitroaniline             | 0.390 | 0.379 | 2.8    | 69    | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 0.165 | 0.232 | -40.6# | 96    | 0.00     |
| 55   | Dibenzofuran               | 1.849 | 1.797 | 2.8    | 72    | 0.00     |
| 56 P | 4-Nitrophenol              | 0.278 | 0.257 | 7.6    | 64    | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 0.449 | 0.437 | 2.7    | 69    | 0.00     |
| 58   | Fluorene                   | 1.470 | 1.350 | 8.2    | 72    | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.415 | 0.392 | 5.5    | 68    | 0.00     |
| 60   | Diethylphthalate           | 1.554 | 1.463 | 5.9    | 69    | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 0.724 | 0.690 | 4.7    | 72    | 0.00     |
| 62   | 4-Nitroaniline             | 0.396 | 0.375 | 5.3    | 68    | 0.00     |
| 63   | Azobenzene                 | 1.428 | 1.323 | 7.4    | 68    | 0.00     |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0    | 71    | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 0.122 | 0.121 | 0.8    | 66    | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 0.707 | 0.703 | 0.6    | 70    | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 0.271 | 0.271 | 0.0    | 70    | 0.00     |
| 68   | Hexachlorobenzene          | 0.300 | 0.295 | 1.7    | 69    | 0.00     |
| 69   | Atrazine                   | 0.229 | 0.213 | 7.0    | 66    | 0.00     |
| 70 C | Pentachlorophenol          | 0.159 | 0.151 | 5.0    | 61    | 0.00     |
| 71   | Phenanthrene               | 1.189 | 1.139 | 4.2    | 69    | 0.00     |
| 72   | Anthracene                 | 1.179 | 1.145 | 2.9    | 69    | 0.00     |
| 73   | Carbazole                  | 1.069 | 1.025 | 4.1    | 68    | 0.00     |
| 74   | Di-n-butylphthalate        | 1.343 | 1.254 | 6.6    | 67    | 0.00     |
| 75 C | Fluoranthene               | 1.246 | 1.146 | 8.0    | 65    | 0.00     |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0    | 64    | 0.00     |
| 77   | Benzydine                  | 0.433 | 0.449 | -3.7   | 58    | 0.00     |
| 78   | Pyrene                     | 1.546 | 1.604 | -3.8   | 65    | 0.00     |
| 79 S | Terphenyl-d14              | 1.143 | 1.157 | -1.2   | 67    | 0.00     |
| 80   | Butylbenzylphthalate       | 0.697 | 0.679 | 2.6    | 61    | 0.00     |
| 81   | Benzo(a)anthracene         | 1.337 | 1.328 | 0.7    | 64    | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 0.479 | 0.471 | 1.7    | 62    | 0.00     |
| 83   | Chrysene                   | 1.330 | 1.307 | 1.7    | 63    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 0.954 | 0.888 | 6.9    | 60    | 0.00     |
| 85 c | Di-n-octyl phthalate       | 1.582 | 1.417 | 10.4   | 57    | 0.00     |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0    | 69    | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 1.313 | 1.442 | -9.8   | 77    | 0.00     |
| 88   | Benzo(b)fluoranthene       | 1.403 | 1.322 | 5.8    | 61    | 0.00     |
| 89   | Benzo(k)fluoranthene       | 1.283 | 1.261 | 1.7    | 68    | 0.00     |
| 90 C | Benzo(a)pyrene             | 1.228 | 1.199 | 2.4    | 66    | 0.00     |
| 91   | Dibenzo(a,h)anthracene     | 1.074 | 1.179 | -9.8   | 77    | 0.00     |
| 92   | Benzo(g,h,i)perylene       | 1.040 | 1.198 | -15.2  | 82    | 0.00     |

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

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