

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF052821\  
 Data File : BF124107.D  
 Acq On : 28 May 2021 14:36  
 Operator : JU/CG  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: May 28 15:13:29 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF051421.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu May 27 13:12:25 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    | 114   | 0.00     |
| 2    | 1,4-Dioxane                 | 0.626 | 0.590 | 5.8    | 112   | 0.04     |
| 3    | Pyridine                    | 1.615 | 1.534 | 5.0    | 109   | 0.03     |
| 4    | n-Nitrosodimethylamine      | 1.049 | 0.938 | 10.6   | 106   | 0.04     |
| 5 S  | 2-Fluorophenol              | 1.424 | 1.375 | 3.4    | 114   | 0.00     |
| 6    | Aniline                     | 2.098 | 2.136 | -1.8   | 118   | 0.00     |
| 7 S  | Phenol-d6                   | 1.848 | 1.853 | -0.3   | 118   | 0.00     |
| 8    | 2-Chlorophenol              | 1.482 | 1.525 | -2.9   | 120   | 0.00     |
| 9    | Benzaldehyde                | 0.800 | 0.871 | -8.9   | 121   | 0.00     |
| 10 C | Phenol                      | 1.868 | 1.978 | -5.9   | 126   | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.452 | 1.475 | -1.6   | 120   | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.727 | 1.789 | -3.6   | 124   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.767 | 1.836 | -3.9   | 122   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.651 | 1.726 | -4.5   | 124   | 0.00     |
| 15   | Benzyl Alcohol              | 1.596 | 1.645 | -3.1   | 116   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 2.922 | 2.388 | 18.3   | 95    | 0.00     |
| 17   | 2-Methylphenol              | 1.202 | 1.296 | -7.8   | 125   | 0.00     |
| 18   | Hexachloroethane            | 0.655 | 0.725 | -10.7  | 135   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 1.249 | 1.305 | -4.5   | 121   | 0.00     |
| 20   | 3+4-Methylphenols           | 1.583 | 1.648 | -4.1   | 124   | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0    | 120   | 0.00     |
| 22   | Acetophenone                | 0.568 | 0.590 | -3.9   | 127   | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.464 | 0.516 | -11.2  | 134   | 0.00     |
| 24   | Nitrobenzene                | 0.475 | 0.521 | -9.7   | 130   | 0.00     |
| 25   | Isophorone                  | 0.893 | 0.915 | -2.5   | 123   | 0.00     |
| 26 C | 2-Nitrophenol               | 0.179 | 0.230 | -28.5# | 154#  | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.342 | 0.315 | 7.9    | 110   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.449 | 0.470 | -4.7   | 127   | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.346 | 0.384 | -11.0  | 131   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.389 | 0.410 | -5.4   | 130   | 0.00     |
| 31   | Naphthalene                 | 1.184 | 1.203 | -1.6   | 123   | 0.00     |
| 32   | Benzoic acid                | 0.188 | 0.172 | 8.5    | 119   | 0.02     |
| 33   | 4-Chloroaniline             | 0.451 | 0.463 | -2.7   | 129   | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.255 | 0.305 | -19.6  | 147   | 0.00     |
| 35   | Caprolactam                 | 0.094 | 0.105 | -11.7  | 131   | 0.01     |
| 36 C | 4-Chloro-3-methylphenol     | 0.378 | 0.423 | -11.9  | 134   | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.802 | 0.859 | -7.1   | 130   | 0.00     |
| 38   | 1-Methylnaphthalene         | 0.749 | 0.806 | -7.6   | 129   | 0.00     |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0    | 136   | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.721 | 0.701 | 2.8    | 140   | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 0.459 | 0.386 | 15.9   | 120   | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 0.240 | 0.275 | -14.6  | 154#  | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 0.468 | 0.463 | 1.1    | 138   | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 0.486 | 0.496 | -2.1   | 140   | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 1.625 | 1.564 | 3.8    | 136   | 0.00     |
| 46   | 1,1'-Biphenyl               | 1.762 | 1.633 | 7.3    | 131   | 0.00     |
| 47   | 2-Chloronaphthalene         | 1.399 | 1.317 | 5.9    | 135   | 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             | 0.472 | 0.500 | -5.9   | 141   | 0.00     |
| 49   | Acenaphthylene             | 2.067 | 1.941 | 6.1    | 131   | 0.00     |
| 50   | Dimethylphthalate          | 1.597 | 1.590 | 0.4    | 142   | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 0.323 | 0.353 | -9.3   | 143   | 0.00     |
| 52 C | Acenaphthene               | 1.415 | 1.287 | 9.0    | 128   | 0.00     |
| 53   | 3-Nitroaniline             | 0.321 | 0.342 | -6.5   | 141   | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 0.144 | 0.184 | -27.8# | 179#  | 0.00     |
| 55   | Dibenzofuran               | 2.032 | 2.000 | 1.6    | 140   | 0.00     |
| 56 P | 4-Nitrophenol              | 0.265 | 0.257 | 3.0    | 128   | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 0.396 | 0.479 | -21.0  | 167#  | 0.00     |
| 58   | Fluorene                   | 1.532 | 1.491 | 2.7    | 136   | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.400 | 0.399 | 0.3    | 137   | 0.00     |
| 60   | Diethylphthalate           | 1.582 | 1.605 | -1.5   | 142   | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 0.768 | 0.781 | -1.7   | 140   | 0.00     |
| 62   | 4-Nitroaniline             | 0.319 | 0.339 | -6.3   | 139   | 0.00     |
| 63   | Azobenzene                 | 1.759 | 1.672 | 4.9    | 133   | 0.00     |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0    | 137   | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 0.113 | 0.167 | -47.8# | 191#  | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 0.764 | 0.779 | -2.0   | 144   | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 0.263 | 0.280 | -6.5   | 150   | 0.00     |
| 68   | Hexachlorobenzene          | 0.293 | 0.306 | -4.4   | 151#  | 0.00     |
| 69   | Atrazine                   | 0.216 | 0.215 | 0.5    | 136   | 0.00     |
| 70 C | Pentachlorophenol          | 0.174 | 0.154 | 11.5   | 123   | 0.00     |
| 71   | Phenanthrene               | 1.268 | 1.241 | 2.1    | 137   | 0.00     |
| 72   | Anthracene                 | 1.284 | 1.266 | 1.4    | 142   | 0.00     |
| 73   | Carbazole                  | 1.124 | 1.074 | 4.4    | 135   | 0.00     |
| 74   | Di-n-butylphthalate        | 1.406 | 1.425 | -1.4   | 143   | 0.00     |
| 75 C | Fluoranthene               | 1.313 | 1.299 | 1.1    | 143   | 0.00     |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0    | 134   | 0.00     |
| 77   | Benzydine                  | 0.483 | 0.548 | -13.5  | 147   | 0.00     |
| 78   | Pyrene                     | 1.776 | 1.890 | -6.4   | 143   | 0.00     |
| 79 S | Terphenyl-d14              | 1.321 | 1.456 | -10.2  | 148   | 0.00     |
| 80   | Butylbenzylphthalate       | 0.696 | 0.789 | -13.4  | 153#  | 0.00     |
| 81   | Benzo(a)anthracene         | 1.446 | 1.463 | -1.2   | 141   | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 0.449 | 0.456 | -1.6   | 144   | 0.00     |
| 83   | Chrysene                   | 1.391 | 1.402 | -0.8   | 141   | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 0.983 | 1.132 | -15.2  | 156#  | 0.00     |
| 85 c | Di-n-octyl phthalate       | 1.485 | 1.641 | -10.5  | 148   | 0.00     |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0    | 120   | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 1.545 | 1.481 | 4.1    | 121   | 0.00     |
| 88   | Benzo(b)fluoranthene       | 1.547 | 1.581 | -2.2   | 123   | 0.00     |
| 89   | Benzo(k)fluoranthene       | 1.410 | 1.527 | -8.3   | 133   | 0.00     |
| 90 C | Benzo(a)pyrene             | 1.337 | 1.377 | -3.0   | 128   | 0.00     |
| 91   | Dibenzo(a,h)anthracene     | 1.301 | 1.267 | 2.6    | 122   | 0.00     |
| 92   | Benzo(g,h,i)perylene       | 1.304 | 1.219 | 6.5    | 121   | 0.00     |

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(#) = Out of Range                      SPCC's out = 0    CCC's out = 1