

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP022021\  
 Data File : BP004836.D  
 Acq On : 20 Feb 2021 10:47  
 Operator : CG/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 LabSampleId :  
 SSTDCCC040

Quant Time: Feb 22 04:29:00 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP020521.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Feb 19 12:04:44 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   | 92    | 0.00     |
| 2    | 1,4-Dioxane                 | 0.554 | 0.454 | 18.1  | 81    | 0.00     |
| 3    | Pyridine                    | 1.404 | 1.269 | 9.6   | 85    | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.584 | 0.527 | 9.8   | 88    | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.295 | 1.188 | 8.3   | 93    | 0.00     |
| 6    | Aniline                     | 1.987 | 1.830 | 7.9   | 92    | 0.00     |
| 7 S  | Phenol-d6                   | 1.781 | 1.630 | 8.5   | 92    | 0.00     |
| 8    | 2-Chlorophenol              | 1.353 | 1.276 | 5.7   | 97    | 0.00     |
| 9    | Benzaldehyde                | 0.748 | 0.847 | -13.2 | 101   | 0.00     |
| 10 C | Phenol                      | 1.724 | 1.572 | 8.8   | 91    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.319 | 1.198 | 9.2   | 92    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.647 | 1.535 | 6.8   | 96    | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.673 | 1.556 | 7.0   | 95    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.604 | 1.489 | 7.2   | 95    | 0.00     |
| 15   | Benzyl Alcohol              | 1.338 | 1.249 | 6.7   | 90    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 1.067 | 1.051 | 1.5   | 99    | 0.00     |
| 17   | 2-Methylphenol              | 1.165 | 1.104 | 5.2   | 95    | 0.00     |
| 18   | Hexachloroethane            | 0.627 | 0.584 | 6.9   | 92    | -0.01    |
| 19 P | n-Nitroso-di-n-propylamine  | 1.076 | 0.987 | 8.3   | 88    | 0.00     |
| 20   | 3+4-Methylphenols           | 1.546 | 1.507 | 2.5   | 96    | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0   | 96    | 0.00     |
| 22   | Acetophenone                | 0.581 | 0.529 | 9.0   | 93    | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.459 | 0.404 | 12.0  | 89    | 0.00     |
| 24   | Nitrobenzene                | 0.454 | 0.385 | 15.2  | 87    | 0.00     |
| 25   | Isophorone                  | 0.734 | 0.665 | 9.4   | 91    | 0.00     |
| 26 C | 2-Nitrophenol               | 0.180 | 0.190 | -5.6  | 105   | -0.01    |
| 27   | 2,4-Dimethylphenol          | 0.280 | 0.257 | 8.2   | 94    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.473 | 0.421 | 11.0  | 92    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.338 | 0.329 | 2.7   | 99    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.417 | 0.377 | 9.6   | 94    | -0.01    |
| 31   | Naphthalene                 | 1.167 | 1.060 | 9.2   | 95    | 0.00     |
| 32   | Benzoic acid                | 0.210 | 0.226 | -7.6  | 104   | 0.01     |
| 33   | 4-Chloroaniline             | 0.479 | 0.441 | 7.9   | 93    | -0.01    |
| 34 C | Hexachlorobutadiene         | 0.280 | 0.256 | 8.6   | 95    | -0.01    |
| 35   | Caprolactam                 | 0.107 | 0.110 | -2.8  | 96    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.401 | 0.366 | 8.7   | 92    | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.830 | 0.761 | 8.3   | 94    | 0.00     |
| 38   | 1-Methylnaphthalene         | 0.786 | 0.716 | 8.9   | 94    | -0.01    |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0   | 93    | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.719 | 0.659 | 8.3   | 92    | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 0.409 | 0.380 | 7.1   | 93    | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 0.266 | 0.272 | -2.3  | 102   | -0.01    |
| 43 C | 2,4,6-Trichlorophenol       | 0.453 | 0.448 | 1.1   | 98    | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 0.476 | 0.457 | 4.0   | 97    | -0.01    |
| 45 S | 2-Fluorobiphenyl            | 1.636 | 1.517 | 7.3   | 94    | 0.00     |
| 46   | 1,1'-Biphenyl               | 1.674 | 1.547 | 7.6   | 94    | 0.00     |
| 47   | 2-Chloronaphthalene         | 1.372 | 1.257 | 8.4   | 94    | 0.00     |

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 Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound                   | AvgRF | CCRF  | %Dev   | Area% | Dev(min) |
|------|----------------------------|-------|-------|--------|-------|----------|
| 48   | 2-Nitroaniline             | 0.405 | 0.399 | 1.5    | 93    | 0.00     |
| 49   | Acenaphthylene             | 2.027 | 1.904 | 6.1    | 94    | 0.00     |
| 50   | Dimethylphthalate          | 1.759 | 1.604 | 8.8    | 92    | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 0.355 | 0.346 | 2.5    | 95    | 0.00     |
| 52 C | Acenaphthene               | 1.285 | 1.167 | 9.2    | 91    | 0.00     |
| 53   | 3-Nitroaniline             | 0.369 | 0.365 | 1.1    | 95    | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 0.204 | 0.219 | -7.4   | 101   | 0.00     |
| 55   | Dibenzofuran               | 2.021 | 1.849 | 8.5    | 93    | 0.00     |
| 56 P | 4-Nitrophenol              | 0.289 | 0.285 | 1.4    | 95    | -0.01    |
| 57   | 2,4-Dinitrotoluene         | 0.486 | 0.483 | 0.6    | 97    | 0.00     |
| 58   | Fluorene                   | 1.661 | 1.527 | 8.1    | 93    | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.453 | 0.440 | 2.9    | 96    | 0.00     |
| 60   | Diethylphthalate           | 1.763 | 1.623 | 7.9    | 92    | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 0.922 | 0.831 | 9.9    | 93    | 0.00     |
| 62   | 4-Nitroaniline             | 0.403 | 0.400 | 0.7    | 97    | 0.00     |
| 63   | Azobenzene                 | 1.656 | 1.433 | 13.5   | 86    | 0.00     |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0    | 92    | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 0.122 | 0.129 | -5.7   | 101   | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 0.650 | 0.614 | 5.5    | 94    | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 0.258 | 0.242 | 6.2    | 94    | 0.00     |
| 68   | Hexachlorobenzene          | 0.281 | 0.266 | 5.3    | 94    | 0.00     |
| 69   | Atrazine                   | 0.213 | 0.205 | 3.8    | 92    | 0.00     |
| 70 C | Pentachlorophenol          | 0.157 | 0.158 | -0.6   | 96    | 0.00     |
| 71   | Phenanthrene               | 1.225 | 1.099 | 10.3   | 91    | 0.00     |
| 72   | Anthracene                 | 1.177 | 1.077 | 8.5    | 91    | 0.00     |
| 73   | Carbazole                  | 1.080 | 0.989 | 8.4    | 92    | 0.00     |
| 74   | Di-n-butylphthalate        | 1.326 | 1.273 | 4.0    | 95    | 0.00     |
| 75 C | Fluoranthene               | 1.459 | 1.323 | 9.3    | 91    | 0.00     |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0    | 90    | 0.00     |
| 77   | Benzidine                  | 0.340 | 0.584 | -71.8# | 130   | 0.00     |
| 78   | Pyrene                     | 1.410 | 1.311 | 7.0    | 90    | 0.00     |
| 79 S | Terphenyl-d14              | 1.191 | 1.126 | 5.5    | 91    | -0.01    |
| 80   | Butylbenzylphthalate       | 0.554 | 0.568 | -2.5   | 95    | 0.00     |
| 81   | Benzo(a)anthracene         | 1.418 | 1.295 | 8.7    | 88    | -0.01    |
| 82   | 3,3'-Dichlorobenzidine     | 0.450 | 0.463 | -2.9   | 96    | -0.01    |
| 83   | Chrysene                   | 1.374 | 1.255 | 8.7    | 89    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 0.837 | 0.820 | 2.0    | 92    | -0.01    |
| 85 c | Di-n-octyl phthalate       | 1.357 | 1.359 | -0.1   | 95    | -0.02    |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0    | 91    | -0.02    |
| 87   | Indeno(1,2,3-cd)pyrene     | 1.597 | 1.486 | 7.0    | 91    | -0.02    |
| 88   | Benzo(b)fluoranthene       | 1.465 | 1.299 | 11.3   | 86    | -0.01    |
| 89   | Benzo(k)fluoranthene       | 1.406 | 1.317 | 6.3    | 93    | -0.01    |
| 90 C | Benzo(a)pyrene             | 1.324 | 1.231 | 7.0    | 90    | -0.02    |
| 91   | Dibenzo(a,h)anthracene     | 1.332 | 1.237 | 7.1    | 91    | -0.02    |
| 92   | Benzo(g,h,i)perylene       | 1.278 | 1.194 | 6.6    | 91    | -0.03    |

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

(#) = Out of Range

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