

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG102820\  
 Data File : BG047109.D  
 Acq On : 28 Oct 2020 16:04  
 Operator : CG/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Oct 28 16:55:18 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG102720.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Oct 27 02:55:38 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  | 101   | 0.00     |
| 2    | 1,4-Dioxane                 | 0.510 | 0.453 | 11.2 | 105   | 0.00     |
| 3    | Pyridine                    | 1.383 | 1.361 | 1.6  | 103   | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.733 | 0.676 | 7.8  | 102   | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.128 | 1.034 | 8.3  | 102   | 0.00     |
| 6    | Aniline                     | 1.928 | 1.791 | 7.1  | 100   | 0.00     |
| 7 S  | Phenol-d6                   | 1.632 | 1.537 | 5.8  | 100   | 0.00     |
| 8    | 2-Chlorophenol              | 1.199 | 1.078 | 10.1 | 100   | 0.00     |
| 9    | Benzaldehyde                | 0.914 | 0.776 | 15.1 | 99    | 0.00     |
| 10 C | Phenol                      | 1.541 | 1.443 | 6.4  | 102   | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.212 | 1.111 | 8.3  | 100   | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.529 | 1.410 | 7.8  | 101   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.543 | 1.426 | 7.6  | 101   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.463 | 1.341 | 8.3  | 100   | 0.00     |
| 15   | Benzyl Alcohol              | 1.272 | 1.177 | 7.5  | 96    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 1.919 | 1.718 | 10.5 | 98    | 0.00     |
| 17   | 2-Methylphenol              | 1.059 | 0.963 | 9.1  | 98    | 0.00     |
| 18   | Hexachloroethane            | 0.578 | 0.527 | 8.8  | 102   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 1.111 | 1.007 | 9.4  | 96    | 0.00     |
| 20   | 3+4-Methylphenols           | 1.428 | 1.314 | 8.0  | 94    | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0  | 96    | 0.00     |
| 22   | Acetophenone                | 0.539 | 0.480 | 10.9 | 95    | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.418 | 0.375 | 10.3 | 96    | 0.00     |
| 24   | Nitrobenzene                | 0.434 | 0.380 | 12.4 | 96    | 0.00     |
| 25   | Isophorone                  | 0.747 | 0.672 | 10.0 | 94    | 0.00     |
| 26 C | 2-Nitrophenol               | 0.188 | 0.169 | 10.1 | 94    | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.257 | 0.230 | 10.5 | 93    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.461 | 0.410 | 11.1 | 93    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.354 | 0.324 | 8.5  | 94    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.436 | 0.391 | 10.3 | 95    | 0.00     |
| 31   | Naphthalene                 | 1.046 | 0.938 | 10.3 | 97    | 0.00     |
| 32   | Benzoic acid                | 0.203 | 0.198 | 2.5  | 94    | 0.00     |
| 33   | 4-Chloroaniline             | 0.455 | 0.409 | 10.1 | 93    | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.327 | 0.294 | 10.1 | 97    | 0.00     |
| 35   | Caprolactam                 | 0.118 | 0.112 | 5.1  | 91    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.367 | 0.337 | 8.2  | 95    | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.812 | 0.724 | 10.8 | 95    | 0.00     |
| 38   | 1-Methylnaphthalene         | 0.770 | 0.693 | 10.0 | 95    | 0.00     |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0  | 95    | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.731 | 0.641 | 12.3 | 95    | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 0.399 | 0.351 | 12.0 | 92    | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 0.321 | 0.293 | 8.7  | 93    | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 0.476 | 0.423 | 11.1 | 92    | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 0.484 | 0.438 | 9.5  | 94    | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 1.415 | 1.219 | 13.9 | 92    | 0.00     |
| 46   | 1,1'-Biphenyl               | 1.514 | 1.311 | 13.4 | 92    | 0.00     |
| 47   | 2-Chloronaphthalene         | 1.246 | 1.077 | 13.6 | 93    | 0.00     |

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|      | Compound                   | AvgRF | CCRF  | %Dev | Area% | Dev(min) |
|------|----------------------------|-------|-------|------|-------|----------|
| 48   | 2-Nitroaniline             | 0.406 | 0.381 | 6.2  | 93    | 0.00     |
| 49   | Acenaphthylene             | 1.810 | 1.580 | 12.7 | 93    | 0.00     |
| 50   | Dimethylphthalate          | 1.647 | 1.462 | 11.2 | 91    | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 0.344 | 0.315 | 8.4  | 92    | 0.00     |
| 52 C | Acenaphthene               | 1.181 | 1.048 | 11.3 | 93    | 0.00     |
| 53   | 3-Nitroaniline             | 0.341 | 0.330 | 3.2  | 95    | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 0.227 | 0.211 | 7.0  | 92    | 0.00     |
| 55   | Dibenzofuran               | 1.896 | 1.689 | 10.9 | 93    | 0.00     |
| 56 P | 4-Nitrophenol              | 0.267 | 0.270 | -1.1 | 93    | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 0.494 | 0.462 | 6.5  | 92    | 0.00     |
| 58   | Fluorene                   | 1.530 | 1.373 | 10.3 | 93    | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.514 | 0.471 | 8.4  | 93    | 0.00     |
| 60   | Diethylphthalate           | 1.642 | 1.535 | 6.5  | 94    | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 0.913 | 0.814 | 10.8 | 91    | 0.00     |
| 62   | 4-Nitroaniline             | 0.367 | 0.360 | 1.9  | 96    | 0.00     |
| 63   | Azobenzene                 | 1.459 | 1.311 | 10.1 | 92    | 0.00     |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0  | 94    | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 0.123 | 0.112 | 8.9  | 93    | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 0.574 | 0.502 | 12.5 | 93    | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 0.263 | 0.232 | 11.8 | 94    | 0.00     |
| 68   | Hexachlorobenzene          | 0.278 | 0.242 | 12.9 | 93    | 0.00     |
| 69   | Atrazine                   | 0.236 | 0.217 | 8.1  | 94    | 0.00     |
| 70 C | Pentachlorophenol          | 0.162 | 0.149 | 8.0  | 94    | 0.00     |
| 71   | Phenanthrene               | 1.068 | 0.954 | 10.7 | 95    | 0.00     |
| 72   | Anthracene                 | 1.047 | 0.929 | 11.3 | 94    | 0.00     |
| 73   | Carbazole                  | 0.931 | 0.844 | 9.3  | 95    | 0.00     |
| 74   | Di-n-butylphthalate        | 1.151 | 1.042 | 9.5  | 95    | 0.00     |
| 75 C | Fluoranthene               | 1.373 | 1.255 | 8.6  | 97    | 0.00     |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0  | 97    | 0.00     |
| 77   | Benzydine                  | 0.457 | 0.500 | -9.4 | 107   | 0.00     |
| 78   | Pyrene                     | 1.275 | 1.191 | 6.6  | 98    | 0.00     |
| 79 S | Terphenyl-d14              | 1.029 | 0.934 | 9.2  | 96    | 0.00     |
| 80   | Butylbenzylphthalate       | 0.489 | 0.452 | 7.6  | 97    | 0.00     |
| 81   | Benzo(a)anthracene         | 1.310 | 1.200 | 8.4  | 98    | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 0.475 | 0.445 | 6.3  | 98    | 0.00     |
| 83   | Chrysene                   | 1.248 | 1.137 | 8.9  | 97    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 0.689 | 0.632 | 8.3  | 97    | 0.00     |
| 85 c | Di-n-octyl phthalate       | 1.158 | 1.076 | 7.1  | 98    | 0.00     |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0  | 97    | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 1.460 | 1.347 | 7.7  | 99    | 0.00     |
| 88   | Benzo(b)fluoranthene       | 1.307 | 1.194 | 8.6  | 96    | 0.00     |
| 89   | Benzo(k)fluoranthene       | 1.269 | 1.161 | 8.5  | 100   | 0.00     |
| 90 C | Benzo(a)pyrene             | 1.222 | 1.117 | 8.6  | 98    | 0.00     |
| 91   | Dibenzo(a,h)anthracene     | 1.186 | 1.080 | 8.9  | 98    | 0.00     |
| 92   | Benzo(g,h,i)perylene       | 1.179 | 1.084 | 8.1  | 99    | 0.00     |

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(#) = Out of Range

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