

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP062220\  
 Data File : BP002474.D  
 Acq On : 22 Jun 2020 09:58  
 Operator : CG/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jun 22 14:31:06 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP060520.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jun 05 15:08:53 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                    | AvqRF | CCRF  | %Dev  | Area% | Dev(min) |
|------|-----------------------------|-------|-------|-------|-------|----------|
| 1 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0   | 100   | 0.00     |
| 2    | 1,4-Dioxane                 | 0.498 | 0.523 | -5.0  | 103   | 0.00     |
| 3    | Pyridine                    | 1.353 | 1.483 | -9.6  | 109   | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.558 | 0.628 | -12.5 | 107   | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.081 | 1.096 | -1.4  | 98    | 0.00     |
| 6    | Aniline                     | 1.957 | 1.991 | -1.7  | 96    | 0.00     |
| 7 S  | Phenol-d6                   | 1.439 | 1.458 | -1.3  | 97    | 0.00     |
| 8    | 2-Chlorophenol              | 1.215 | 1.206 | 0.7   | 94    | 0.00     |
| 9    | Benzaldehyde                | 0.735 | 0.843 | -14.7 | 105   | 0.00     |
| 10 C | Phenol                      | 1.561 | 1.604 | -2.8  | 98    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.303 | 1.288 | 1.2   | 94    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.399 | 1.367 | 2.3   | 94    | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.408 | 1.365 | 3.1   | 93    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.349 | 1.319 | 2.2   | 94    | 0.00     |
| 15   | Benzyl Alcohol              | 1.115 | 1.183 | -6.1  | 99    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 1.849 | 1.833 | 0.9   | 95    | 0.00     |
| 17   | 2-Methylphenol              | 1.140 | 1.162 | -1.9  | 96    | 0.00     |
| 18   | Hexachloroethane            | 0.513 | 0.511 | 0.4   | 96    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 0.962 | 0.978 | -1.7  | 96    | 0.00     |
| 20   | 3+4-Methylphenols           | 1.539 | 1.567 | -1.8  | 95    | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0   | 96    | 0.00     |
| 22   | Acetophenone                | 0.449 | 0.452 | -0.7  | 95    | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.335 | 0.352 | -5.1  | 98    | 0.00     |
| 24   | Nitrobenzene                | 0.360 | 0.375 | -4.2  | 97    | 0.00     |
| 25   | Isophorone                  | 0.682 | 0.717 | -5.1  | 97    | 0.00     |
| 26 C | 2-Nitrophenol               | 0.160 | 0.172 | -7.5  | 98    | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.252 | 0.256 | -1.6  | 94    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.406 | 0.407 | -0.2  | 94    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.283 | 0.290 | -2.5  | 95    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.316 | 0.313 | 0.9   | 93    | 0.00     |
| 31   | Naphthalene                 | 0.929 | 0.927 | 0.2   | 95    | 0.00     |
| 32   | Benzoic acid                | 0.191 | 0.207 | -8.4  | 90    | 0.02     |
| 33   | 4-Chloroaniline             | 0.406 | 0.413 | -1.7  | 93    | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.184 | 0.184 | 0.0   | 95    | 0.00     |
| 35   | Caprolactam                 | 0.100 | 0.108 | -8.0  | 95    | 0.01     |
| 36 C | 4-Chloro-3-methylphenol     | 0.307 | 0.322 | -4.9  | 96    | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.659 | 0.655 | 0.6   | 93    | 0.00     |
| 38   | 1-Methylnaphthalene         | 0.619 | 0.620 | -0.2  | 94    | 0.00     |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0   | 104   | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.527 | 0.487 | 7.6   | 95    | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 0.280 | 0.250 | 10.7  | 89    | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 0.191 | 0.216 | -13.1 | 112   | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 0.373 | 0.349 | 6.4   | 93    | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 0.432 | 0.407 | 5.8   | 94    | 0.00     |

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

|      | Compound                   | AvqRF | CCRF  | %Dev | Area% | Dev(min) |
|------|----------------------------|-------|-------|------|-------|----------|
| 45 S | 2-Fluorobiphenyl           | 1.189 | 1.019 | 14.3 | 92    | 0.00     |
| 46   | 1,1'-Biphenyl              | 1.311 | 1.273 | 2.9  | 99    | 0.00     |
| 47   | 2-Chloronaphthalene        | 1.072 | 1.029 | 4.0  | 99    | 0.00     |
| 48   | 2-Nitroaniline             | 0.342 | 0.360 | -5.3 | 102   | 0.00     |
| 49   | Acenaphthylene             | 1.711 | 1.649 | 3.6  | 97    | 0.00     |
| 50   | Dimethylphthalate          | 1.370 | 1.343 | 2.0  | 99    | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 0.298 | 0.307 | -3.0 | 101   | 0.00     |
| 52 C | Acenaphthene               | 1.002 | 0.974 | 2.8  | 100   | 0.00     |
| 53   | 3-Nitroaniline             | 0.340 | 0.345 | -1.5 | 98    | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 0.163 | 0.167 | -2.5 | 95    | 0.00     |
| 55   | Dibenzofuran               | 1.614 | 1.522 | 5.7  | 95    | 0.00     |
| 56 P | 4-Nitrophenol              | 0.270 | 0.267 | 1.1  | 93    | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 0.405 | 0.419 | -3.5 | 99    | 0.00     |
| 58   | Fluorene                   | 1.270 | 1.126 | 11.3 | 99    | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.343 | 0.360 | -5.0 | 103   | 0.00     |
| 60   | Diethylphthalate           | 1.373 | 1.320 | 3.9  | 96    | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 0.615 | 0.598 | 2.8  | 101   | 0.00     |
| 62   | 4-Nitroaniline             | 0.327 | 0.333 | -1.8 | 99    | 0.00     |
| 63   | Azobenzene                 | 1.367 | 1.307 | 4.4  | 97    | 0.00     |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0  | 103   | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 0.106 | 0.105 | 0.9  | 96    | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 0.511 | 0.484 | 5.3  | 98    | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 0.189 | 0.196 | -3.7 | 105   | 0.00     |
| 68   | Hexachlorobenzene          | 0.201 | 0.211 | -5.0 | 108   | 0.00     |
| 69   | Atrazine                   | 0.167 | 0.161 | 3.6  | 95    | 0.00     |
| 70 C | Pentachlorophenol          | 0.120 | 0.127 | -5.8 | 101   | 0.00     |
| 71   | Phenanthrene               | 0.936 | 0.896 | 4.3  | 98    | 0.00     |
| 72   | Anthracene                 | 0.929 | 0.896 | 3.6  | 100   | 0.00     |
| 73   | Carbazole                  | 0.914 | 0.892 | 2.4  | 99    | 0.00     |
| 74   | Di-n-butylphthalate        | 1.082 | 1.030 | 4.8  | 96    | 0.00     |
| 75 C | Fluoranthene               | 1.117 | 1.127 | -0.9 | 102   | 0.00     |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0  | 107   | 0.00     |
| 77   | Benzidine                  | 0.447 | 0.428 | 4.3  | 92    | 0.00     |
| 78   | Pyrene                     | 1.225 | 1.231 | -0.5 | 103   | 0.00     |
| 79 S | Terphenyl-d14              | 0.763 | 0.805 | -5.5 | 110   | 0.00     |
| 80   | Butylbenzylphthalate       | 0.545 | 0.526 | 3.5  | 97    | 0.00     |
| 81   | Benzo(a)anthracene         | 1.142 | 1.142 | 0.0  | 104   | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 0.424 | 0.443 | -4.5 | 102   | 0.00     |
| 83   | Chrysene                   | 1.082 | 1.050 | 3.0  | 102   | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 0.792 | 0.713 | 10.0 | 92    | 0.00     |
| 85 c | Di-n-octyl phthalate       | 1.389 | 1.262 | 9.1  | 92    | 0.00     |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0  | 108   | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 1.251 | 1.256 | -0.4 | 106   | 0.01     |

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|------|------------------------|-------|-------|------|-------|----------|
| 88   | Benzo(b)fluoranthene   | 1.079 | 1.042 | 3.4  | 99    | 0.00     |
| 89   | Benzo(k)fluoranthene   | 1.025 | 0.949 | 7.4  | 101   | 0.00     |
| 90 C | Benzo(a)pyrene         | 1.011 | 0.992 | 1.9  | 103   | 0.00     |
| 91   | Dibenzo(a,h)anthracene | 1.003 | 1.000 | 0.3  | 105   | 0.00     |
| 92   | Benzo(q,h,i)perylene   | 1.039 | 1.060 | -2.0 | 107   | 0.01     |

(#) = Out of Range

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