

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF010719\  
 Data File : BF111876.D  
 Acq On : 7 Jan 2019 15:04  
 Operator : JU/SJ  
 Sample : SSTDICV040  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 ICVBF010719

Quant Time: Jan 07 15:33:14 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF010719.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jan 07 14:33:51 2019  
 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  | 98    | 0.00     |
| 2    | 1,4-Dioxane                 | 0.511 | 0.464 | 9.2  | 93    | 0.00     |
| 3    | Pyridine                    | 1.325 | 1.253 | 5.4  | 90    | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.659 | 0.611 | 7.3  | 92    | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.169 | 1.063 | 9.1  | 89    | 0.00     |
| 6    | Aniline                     | 1.822 | 1.707 | 6.3  | 99    | 0.00     |
| 7 S  | Phenol-d6                   | 1.507 | 1.385 | 8.1  | 98    | 0.00     |
| 8    | 2-Chlorophenol              | 1.298 | 1.230 | 5.2  | 98    | 0.00     |
| 9    | Benzaldehyde                | 0.942 | 0.805 | 14.5 | 100   | 0.00     |
| 10 C | Phenol                      | 1.638 | 1.529 | 6.7  | 99    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.267 | 1.197 | 5.5  | 98    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.505 | 1.444 | 4.1  | 100   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.527 | 1.457 | 4.6  | 99    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.460 | 1.355 | 7.2  | 98    | 0.00     |
| 15   | Benzyl Alcohol              | 1.192 | 1.123 | 5.8  | 98    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 2.160 | 2.041 | 5.5  | 99    | 0.00     |
| 17   | 2-Methylphenol              | 1.043 | 0.976 | 6.4  | 98    | 0.00     |
| 18   | Hexachloroethane            | 0.533 | 0.512 | 3.9  | 99    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 0.979 | 0.929 | 5.1  | 98    | 0.00     |
| 20   | 3+4-Methylphenols           | 1.298 | 1.245 | 4.1  | 100   | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0  | 99    | 0.00     |
| 22   | Acetophenone                | 0.506 | 0.469 | 7.3  | 98    | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.374 | 0.358 | 4.3  | 100   | 0.00     |
| 24   | Nitrobenzene                | 0.379 | 0.362 | 4.5  | 100   | 0.00     |
| 25   | Isophorone                  | 0.606 | 0.574 | 5.3  | 100   | 0.00     |
| 26 C | 2-Nitrophenol               | 0.186 | 0.181 | 2.7  | 99    | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.269 | 0.257 | 4.5  | 99    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.404 | 0.384 | 5.0  | 99    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.310 | 0.298 | 3.9  | 99    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.342 | 0.333 | 2.6  | 101   | 0.00     |
| 31   | Naphthalene                 | 0.949 | 0.912 | 3.9  | 100   | 0.00     |
| 32   | Benzoic acid                | 0.175 | 0.150 | 14.3 | 96    | 0.00     |
| 33   | 4-Chloroaniline             | 0.410 | 0.397 | 3.2  | 100   | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.213 | 0.206 | 3.3  | 100   | 0.00     |
| 35   | Caprolactam                 | 0.101 | 0.100 | 1.0  | 101   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.308 | 0.299 | 2.9  | 101   | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.588 | 0.605 | -2.9 | 99    | 0.00     |
| 38   | 1-Methylnaphthalene         | 0.564 | 0.583 | -3.4 | 101   | 0.00     |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0  | 99    | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.638 | 0.628 | 1.6  | 99    | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 0.369 | 0.368 | 0.3  | 99    | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 0.260 | 0.241 | 7.3  | 97    | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 0.432 | 0.417 | 3.5  | 99    | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 0.453 | 0.436 | 3.8  | 99    | 0.00     |

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|      | Compound                   | AvgRF | CCRF  | %Dev | Area% | Dev(min) |
|------|----------------------------|-------|-------|------|-------|----------|
| 45 S | 2-Fluorobiphenyl           | 1.372 | 1.282 | 6.6  | 100   | 0.00     |
| 46   | 1,1'-Biphenyl              | 1.673 | 1.583 | 5.4  | 99    | 0.00     |
| 47   | 2-Chloronaphthalene        | 1.313 | 1.251 | 4.7  | 100   | 0.00     |
| 48   | 2-Nitroaniline             | 0.401 | 0.389 | 3.0  | 100   | 0.00     |
| 49   | Acenaphthylene             | 1.941 | 1.841 | 5.2  | 100   | 0.00     |
| 50   | Dimethylphthalate          | 1.502 | 1.412 | 6.0  | 100   | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 0.336 | 0.321 | 4.5  | 99    | 0.00     |
| 52 C | Acenaphthene               | 1.251 | 1.179 | 5.8  | 99    | 0.00     |
| 53   | 3-Nitroaniline             | 0.360 | 0.344 | 4.4  | 100   | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 0.142 | 0.145 | -2.1 | 103   | 0.00     |
| 55   | Dibenzofuran               | 1.820 | 1.713 | 5.9  | 100   | 0.00     |
| 56 P | 4-Nitrophenol              | 0.254 | 0.248 | 2.4  | 100   | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 0.434 | 0.425 | 2.1  | 101   | 0.00     |
| 58   | Fluorene                   | 1.324 | 1.248 | 5.7  | 100   | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.382 | 0.363 | 5.0  | 98    | 0.00     |
| 60   | Diethylphthalate           | 1.454 | 1.359 | 6.5  | 99    | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 0.743 | 0.692 | 6.9  | 99    | 0.00     |
| 62   | 4-Nitroaniline             | 0.341 | 0.335 | 1.8  | 99    | 0.00     |
| 63   | Azobenzene                 | 1.389 | 1.326 | 4.5  | 99    | 0.00     |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0  | 100   | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 0.123 | 0.116 | 5.7  | 100   | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 0.671 | 0.623 | 7.2  | 100   | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 0.259 | 0.236 | 8.9  | 98    | 0.00     |
| 68   | Hexachlorobenzene          | 0.287 | 0.259 | 9.8  | 97    | 0.00     |
| 69   | Atrazine                   | 0.236 | 0.215 | 8.9  | 100   | 0.00     |
| 70 C | Pentachlorophenol          | 0.163 | 0.158 | 3.1  | 100   | 0.00     |
| 71   | Phenanthrene               | 1.069 | 0.977 | 8.6  | 99    | 0.00     |
| 72   | Anthracene                 | 1.085 | 0.989 | 8.8  | 99    | 0.00     |
| 73   | Carbazole                  | 1.056 | 0.940 | 11.0 | 99    | 0.00     |
| 74   | Di-n-butylphthalate        | 1.226 | 1.078 | 12.1 | 99    | 0.00     |
| 75 C | Fluoranthene               | 1.098 | 0.995 | 9.4  | 99    | 0.00     |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0  | 100   | 0.00     |
| 77   | Benzidine                  | 0.598 | 0.522 | 12.7 | 97    | 0.00     |
| 78   | Pyrene                     | 1.376 | 1.300 | 5.5  | 100   | 0.00     |
| 79 S | Terphenyl-d14              | 1.054 | 0.960 | 8.9  | 99    | 0.00     |
| 80   | Butylbenzylphthalate       | 0.582 | 0.559 | 4.0  | 100   | 0.00     |
| 81   | Benzo(a)anthracene         | 1.151 | 1.076 | 6.5  | 100   | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 0.425 | 0.387 | 8.9  | 96    | 0.00     |
| 83   | Chrysene                   | 1.097 | 1.017 | 7.3  | 98    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 0.764 | 0.723 | 5.4  | 100   | 0.00     |
| 85 c | Di-n-octyl phthalate       | 1.093 | 1.027 | 6.0  | 101   | 0.00     |
| 86   | Indeno(1,2,3-cd)pyrene     | 0.800 | 0.760 | 5.0  | 103   | 0.00     |
| 87 I | Perylene-d12               | 1.000 | 1.000 | 0.0  | 102   | 0.00     |

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|------|------------------------|-------|-------|------|-------|----------|
| 88   | Benzo(b)fluoranthene   | 1.196 | 1.118 | 6.5  | 100   | 0.00     |
| 89   | Benzo(k)fluoranthene   | 1.125 | 1.075 | 4.4  | 100   | 0.00     |
| 90 C | Benzo(a)pyrene         | 1.052 | 1.004 | 4.6  | 102   | 0.00     |
| 91   | Dibenzo(a,h)anthracene | 0.846 | 0.861 | -1.8 | 105   | 0.00     |
| 92   | Benzo(q,h,i)perylene   | 0.828 | 0.853 | -3.0 | 104   | 0.00     |

(#) = Out of Range

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