

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031419\  
 Data File : BF113048.D  
 Acq On : 14 Mar 2019 13:38  
 Operator : JU/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Mar 15 06:54:50 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Mar 13 03:42:55 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    | 85    | 0.00     |
| 2    | 1,4-Dioxane                 | 0.644 | 0.567 | 12.0   | 75    | -0.04    |
| 3    | Pyridine                    | 1.724 | 1.680 | 2.6    | 84    | -0.03    |
| 4    | n-Nitrosodimethylamine      | 0.754 | 0.690 | 8.5    | 77    | -0.04    |
| 5 S  | 2-Fluorophenol              | 1.286 | 1.196 | 7.0    | 81    | 0.00     |
| 6    | Aniline                     | 2.223 | 1.848 | 16.9   | 71    | 0.00     |
| 7 S  | Phenol-d6                   | 1.615 | 1.461 | 9.5    | 79    | 0.00     |
| 8    | 2-Chlorophenol              | 1.431 | 1.366 | 4.5    | 82    | 0.00     |
| 9    | Benzaldehyde                | 1.164 | 1.071 | 8.0    | 79    | 0.00     |
| 10 C | Phenol                      | 1.885 | 1.644 | 12.8   | 74    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.447 | 1.284 | 11.3   | 77    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.479 | 1.465 | 0.9    | 86    | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.483 | 1.486 | -0.2   | 87    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.359 | 1.342 | 1.3    | 87    | 0.00     |
| 15   | Benzyl Alcohol              | 1.232 | 1.146 | 7.0    | 79    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 2.414 | 2.073 | 14.1   | 74    | 0.00     |
| 17   | 2-Methylphenol              | 1.161 | 1.079 | 7.1    | 81    | 0.00     |
| 18   | Hexachloroethane            | 0.568 | 0.536 | 5.6    | 81    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 1.023 | 0.907 | 11.3   | 77    | 0.00     |
| 20   | 3+4-Methylphenols           | 1.311 | 1.274 | 2.8    | 86    | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0    | 86    | 0.00     |
| 22   | Acetophenone                | 0.468 | 0.477 | -1.9   | 87    | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.334 | 0.346 | -3.6   | 88    | 0.00     |
| 24   | Nitrobenzene                | 0.372 | 0.367 | 1.3    | 84    | 0.00     |
| 25   | Isophorone                  | 0.720 | 0.657 | 8.7    | 80    | 0.00     |
| 26 C | 2-Nitrophenol               | 0.155 | 0.194 | -25.2# | 101   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.288 | 0.272 | 5.6    | 83    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.450 | 0.420 | 6.7    | 82    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.279 | 0.293 | -5.0   | 89    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.300 | 0.311 | -3.7   | 91    | 0.00     |
| 31   | Naphthalene                 | 0.993 | 0.972 | 2.1    | 86    | 0.00     |
| 32   | Benzoic acid                | 0.202 | 0.222 | -9.9   | 93    | 0.00     |
| 33   | 4-Chloroaniline             | 0.421 | 0.433 | -2.9   | 89    | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.169 | 0.190 | -12.4  | 97    | 0.00     |
| 35   | Caprolactam                 | 0.098 | 0.100 | -2.0   | 87    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.309 | 0.343 | -11.0  | 95    | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.641 | 0.716 | -11.7  | 98    | 0.00     |
| 38   | 1-Methylnaphthalene         | 0.621 | 0.694 | -11.8  | 98    | 0.00     |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0    | 103   | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.583 | 0.611 | -4.8   | 109   | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 0.319 | 0.306 | 4.1    | 97    | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 0.212 | 0.247 | -16.5  | 118   | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 0.401 | 0.421 | -5.0   | 106   | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 0.434 | 0.458 | -5.5   | 107   | 0.00     |

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|      | Compound                   | AvqRF | CCRF  | %Dev   | Area% | Dev(min) |
|------|----------------------------|-------|-------|--------|-------|----------|
| 45 S | 2-Fluorobiphenyl           | 1.353 | 1.229 | 9.2    | 102   | 0.00     |
| 46   | 1,1'-Biphenyl              | 1.631 | 1.603 | 1.7    | 100   | 0.00     |
| 47   | 2-Chloronaphthalene        | 1.274 | 1.226 | 3.8    | 101   | 0.00     |
| 48   | 2-Nitroaniline             | 0.387 | 0.411 | -6.2   | 102   | 0.00     |
| 49   | Acenaphthylene             | 2.162 | 2.015 | 6.8    | 98    | 0.00     |
| 50   | Dimethylphthalate          | 1.475 | 1.477 | -0.1   | 105   | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 0.307 | 0.339 | -10.4  | 107   | 0.00     |
| 52 C | Acenaphthene               | 1.265 | 1.137 | 10.1   | 94    | 0.00     |
| 53   | 3-Nitroaniline             | 0.374 | 0.392 | -4.8   | 102   | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 0.108 | 0.164 | -51.9# | 152#  | 0.00     |
| 55   | Dibenzofuran               | 1.838 | 1.723 | 6.3    | 99    | 0.00     |
| 56 P | 4-Nitrophenol              | 0.304 | 0.303 | 0.3    | 95    | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 0.382 | 0.445 | -16.5  | 111   | 0.00     |
| 58   | Fluorene                   | 1.304 | 1.285 | 1.5    | 104   | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.361 | 0.388 | -7.5   | 108   | 0.00     |
| 60   | Diethylphthalate           | 1.558 | 1.453 | 6.7    | 98    | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 0.607 | 0.641 | -5.6   | 111   | 0.00     |
| 62   | 4-Nitroaniline             | 0.346 | 0.394 | -13.9  | 114   | 0.00     |
| 63   | Azobenzene                 | 1.595 | 1.379 | 13.5   | 90    | 0.00     |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0    | 107   | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 0.076 | 0.103 | -35.5# | 137   | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 0.641 | 0.592 | 7.6    | 99    | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 0.211 | 0.218 | -3.3   | 111   | 0.00     |
| 68   | Hexachlorobenzene          | 0.237 | 0.250 | -5.5   | 113   | 0.00     |
| 69   | Atrazine                   | 0.196 | 0.189 | 3.6    | 103   | 0.00     |
| 70 C | Pentachlorophenol          | 0.140 | 0.147 | -5.0   | 107   | 0.00     |
| 71   | Phenanthrene               | 0.995 | 0.959 | 3.6    | 101   | 0.00     |
| 72   | Anthracene                 | 1.042 | 0.980 | 6.0    | 102   | 0.00     |
| 73   | Carbazole                  | 1.016 | 0.944 | 7.1    | 102   | 0.00     |
| 74   | Di-n-butylphthalate        | 1.218 | 1.117 | 8.3    | 100   | 0.00     |
| 75 C | Fluoranthene               | 1.066 | 1.031 | 3.3    | 101   | 0.00     |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0    | 124   | 0.00     |
| 77   | Benidine                   | 1.038 | 0.636 | 38.7#  | 74    | 0.00     |
| 78   | Pyrene                     | 1.686 | 1.388 | 17.7   | 102   | 0.00     |
| 79 S | Terphenyl-d14              | 1.032 | 0.877 | 15.0   | 108   | 0.00     |
| 80   | Butylbenzylphthalate       | 0.744 | 0.636 | 14.5   | 103   | 0.00     |
| 81   | Benzo(a)anthracene         | 1.386 | 1.122 | 19.0   | 99    | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 0.524 | 0.498 | 5.0    | 114   | 0.00     |
| 83   | Chrysene                   | 1.358 | 1.156 | 14.9   | 106   | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 0.873 | 0.762 | 12.7   | 108   | 0.00     |
| 85 c | Di-n-octyl phthalate       | 1.499 | 1.413 | 5.7    | 117   | 0.00     |
| 86   | Indeno(1,2,3-cd)pyrene     | 1.158 | 1.168 | -0.9   | 133   | 0.00     |
| 87 I | Perylene-d12               | 1.000 | 1.000 | 0.0    | 133   | 0.00     |

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|------|------------------------|-------|-------|------|-------|----------|
| 88   | Benzo(b)fluoranthene   | 1.294 | 1.183 | 8.6  | 114   | 0.00     |
| 89   | Benzo(k)fluoranthene   | 1.172 | 1.031 | 12.0 | 124   | 0.00     |
| 90 C | Benzo(a)pyrene         | 1.144 | 1.054 | 7.9  | 121   | 0.00     |
| 91   | Dibenzo(a,h)anthracene | 0.976 | 0.957 | 1.9  | 135   | 0.00     |
| 92   | Benzo(q,h,i)perylene   | 0.980 | 0.931 | 5.0  | 130   | 0.01     |

(#) = Out of Range

SPCC's out = 0 CCC's out = 1