

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072720\  
 Data File : BF121034.D  
 Acq On : 27 Jul 2020 16:07  
 Operator : JU/CG  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jul 27 17:18:09 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jul 16 14:20:32 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   | 124   | 0.00     |
| 2    | 1,4-Dioxane                 | 0.561 | 0.527 | 6.1   | 120   | 0.04     |
| 3    | Pyridine                    | 1.494 | 1.454 | 2.7   | 125   | 0.03     |
| 4    | n-Nitrosodimethylamine      | 0.639 | 0.569 | 11.0  | 113   | 0.05     |
| 5 S  | 2-Fluorophenol              | 1.220 | 1.113 | 8.8   | 117   | 0.00     |
| 6    | Aniline                     | 2.057 | 1.882 | 8.5   | 118   | 0.00     |
| 7 S  | Phenol-d6                   | 1.576 | 1.442 | 8.5   | 118   | 0.00     |
| 8    | 2-Chlorophenol              | 1.344 | 1.272 | 5.4   | 120   | 0.00     |
| 9    | Benzaldehyde                | 0.811 | 0.786 | 3.1   | 130   | 0.00     |
| 10 C | Phenol                      | 1.734 | 1.581 | 8.8   | 117   | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.329 | 1.267 | 4.7   | 122   | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.457 | 1.357 | 6.9   | 120   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.449 | 1.371 | 5.4   | 122   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.371 | 1.276 | 6.9   | 119   | 0.00     |
| 15   | Benzyl Alcohol              | 1.114 | 1.004 | 9.9   | 115   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 1.915 | 1.812 | 5.4   | 122   | 0.00     |
| 17   | 2-Methylphenol              | 1.191 | 1.111 | 6.7   | 122   | 0.00     |
| 18   | Hexachloroethane            | 0.525 | 0.504 | 4.0   | 121   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 0.896 | 0.816 | 8.9   | 121   | 0.00     |
| 20   | 3+4-Methylphenols           | 1.515 | 1.239 | 18.2  | 115   | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0   | 126   | 0.00     |
| 22   | Acetophenone                | 0.449 | 0.403 | 10.2  | 118   | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.346 | 0.328 | 5.2   | 122   | 0.00     |
| 24   | Nitrobenzene                | 0.373 | 0.355 | 4.8   | 123   | 0.00     |
| 25   | Isophorone                  | 0.690 | 0.655 | 5.1   | 124   | 0.00     |
| 26 C | 2-Nitrophenol               | 0.177 | 0.187 | -5.6  | 130   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.287 | 0.269 | 6.3   | 122   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.421 | 0.409 | 2.9   | 128   | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.294 | 0.285 | 3.1   | 124   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.326 | 0.314 | 3.7   | 123   | 0.00     |
| 31   | Naphthalene                 | 1.026 | 0.947 | 7.7   | 120   | 0.00     |
| 32   | Benzoic acid                | 0.216 | 0.241 | -11.6 | 128   | 0.02     |
| 33   | 4-Chloroaniline             | 0.458 | 0.427 | 6.8   | 123   | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.192 | 0.187 | 2.6   | 125   | 0.00     |
| 35   | Caprolactam                 | 0.094 | 0.094 | 0.0   | 130   | 0.01     |
| 36 C | 4-Chloro-3-methylphenol     | 0.301 | 0.296 | 1.7   | 126   | 0.01     |
| 37   | 2-Methylnaphthalene         | 0.666 | 0.643 | 3.5   | 124   | 0.00     |
| 38   | 1-Methylnaphthalene         | 0.631 | 0.604 | 4.3   | 124   | 0.00     |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0   | 129   | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.583 | 0.564 | 3.3   | 126   | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 0.322 | 0.303 | 5.9   | 117   | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 0.219 | 0.220 | -0.5  | 129   | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 0.410 | 0.397 | 3.2   | 125   | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 0.465 | 0.456 | 1.9   | 128   | 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           | 1.340 | 1.088 | 18.8  | 120   | 0.00     |
| 46   | 1,1'-Biphenyl              | 1.526 | 1.433 | 6.1   | 124   | 0.00     |
| 47   | 2-Chloronaphthalene        | 1.244 | 1.176 | 5.5   | 124   | 0.00     |
| 48   | 2-Nitroaniline             | 0.376 | 0.375 | 0.3   | 129   | 0.00     |
| 49   | Acenaphthylene             | 1.932 | 1.837 | 4.9   | 125   | 0.00     |
| 50   | Dimethylphthalate          | 1.443 | 1.420 | 1.6   | 132   | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 0.310 | 0.324 | -4.5  | 134   | 0.00     |
| 52 C | Acenaphthene               | 1.229 | 1.184 | 3.7   | 126   | 0.00     |
| 53   | 3-Nitroaniline             | 0.389 | 0.385 | 1.0   | 129   | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 0.149 | 0.164 | -10.1 | 143   | 0.01     |
| 55   | Dibenzofuran               | 1.777 | 1.654 | 6.9   | 124   | 0.00     |
| 56 P | 4-Nitrophenol              | 0.295 | 0.278 | 5.8   | 121   | 0.01     |
| 57   | 2,4-Dinitrotoluene         | 0.407 | 0.435 | -6.9  | 134   | 0.00     |
| 58   | Fluorene                   | 1.325 | 1.183 | 10.7  | 123   | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.354 | 0.365 | -3.1  | 134   | 0.00     |
| 60   | Diethylphthalate           | 1.459 | 1.432 | 1.9   | 130   | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 0.707 | 0.618 | 12.6  | 126   | 0.00     |
| 62   | 4-Nitroaniline             | 0.379 | 0.385 | -1.6  | 133   | 0.00     |
| 63   | Azobenzene                 | 1.389 | 1.319 | 5.0   | 125   | 0.00     |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0   | 133   | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 0.101 | 0.114 | -12.9 | 143   | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 0.629 | 0.594 | 5.6   | 125   | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 0.223 | 0.222 | 0.4   | 132   | 0.00     |
| 68   | Hexachlorobenzene          | 0.241 | 0.238 | 1.2   | 131   | 0.00     |
| 69   | Atrazine                   | 0.156 | 0.126 | 19.2  | 110   | 0.00     |
| 70 C | Pentachlorophenol          | 0.138 | 0.142 | -2.9  | 128   | 0.00     |
| 71   | Phenanthrene               | 1.029 | 0.944 | 8.3   | 125   | 0.00     |
| 72   | Anthracene                 | 1.033 | 0.974 | 5.7   | 126   | 0.00     |
| 73   | Carbazole                  | 1.025 | 0.974 | 5.0   | 127   | 0.00     |
| 74   | Di-n-butylphthalate        | 1.183 | 1.160 | 1.9   | 131   | 0.00     |
| 75 C | Fluoranthene               | 1.140 | 1.071 | 6.1   | 126   | 0.00     |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0   | 127   | 0.00     |
| 77   | Benzidine                  | 0.526 | 0.538 | -2.3  | 121   | 0.00     |
| 78   | Pyrene                     | 1.414 | 1.387 | 1.9   | 125   | 0.00     |
| 79 S | Terphenyl-d14              | 0.920 | 0.809 | 12.1  | 120   | 0.00     |
| 80   | Butylbenzylphthalate       | 0.630 | 0.662 | -5.1  | 132   | 0.00     |
| 81   | Benzo(a)anthracene         | 1.211 | 1.144 | 5.5   | 124   | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 0.457 | 0.472 | -3.3  | 132   | 0.00     |
| 83   | Chrysene                   | 1.273 | 1.203 | 5.5   | 120   | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 0.777 | 0.807 | -3.9  | 133   | 0.00     |
| 85 c | Di-n-octyl phthalate       | 1.546 | 1.544 | 0.1   | 125   | 0.00     |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0   | 120   | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 1.391 | 1.238 | 11.0  | 106   | 0.00     |

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|      | Compound               | AvgRF | CCRF  | %Dev | Area% | Dev(min) |
|------|------------------------|-------|-------|------|-------|----------|
| 88   | Benzo(b)fluoranthene   | 1.209 | 1.252 | -3.6 | 126   | 0.00     |
| 89   | Benzo(k)fluoranthene   | 1.103 | 1.079 | 2.2  | 114   | 0.00     |
| 90 C | Benzo(a)pyrene         | 1.103 | 1.093 | 0.9  | 118   | 0.00     |
| 91   | Dibenzo(a,h)anthracene | 1.136 | 1.028 | 9.5  | 107   | 0.00     |
| 92   | Benzo(q,h,i)perylene   | 1.120 | 0.949 | 15.3 | 101   | 0.00     |

(#) = Out of Range

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