

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM060920\  
 Data File : BM026309.D  
 Acq On : 09 Jun 2020 19:21  
 Operator : JU/CG  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jun 09 19:52:46 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM060520.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jun 09 14:46:47 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  | 112   | 0.00     |
| 2    | 1,4-Dioxane                 | 0.510 | 0.477 | 6.5  | 97    | 0.00     |
| 3    | Pyridine                    | 1.498 | 1.405 | 6.2  | 99    | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.742 | 0.644 | 13.2 | 90    | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.131 | 1.097 | 3.0  | 103   | 0.00     |
| 6    | Aniline                     | 2.149 | 2.005 | 6.7  | 98    | 0.00     |
| 7 S  | Phenol-d6                   | 1.638 | 1.551 | 5.3  | 101   | 0.00     |
| 8    | 2-Chlorophenol              | 1.305 | 1.262 | 3.3  | 103   | 0.00     |
| 9    | Benzaldehyde                | 1.044 | 1.086 | -4.0 | 141   | 0.00     |
| 10 C | Phenol                      | 1.744 | 1.645 | 5.7  | 101   | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.405 | 1.317 | 6.3  | 99    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.445 | 1.408 | 2.6  | 103   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.471 | 1.424 | 3.2  | 103   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.437 | 1.376 | 4.2  | 101   | 0.00     |
| 15   | Benzyl Alcohol              | 1.391 | 1.287 | 7.5  | 98    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 2.624 | 2.313 | 11.9 | 92    | 0.00     |
| 17   | 2-Methylphenol              | 1.275 | 1.198 | 6.0  | 100   | 0.00     |
| 18   | Hexachloroethane            | 0.557 | 0.549 | 1.4  | 103   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 1.276 | 1.153 | 9.6  | 95    | 0.00     |
| 20   | 3+4-Methylphenols           | 1.738 | 1.629 | 6.3  | 99    | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0  | 106   | 0.00     |
| 22   | Acetophenone                | 0.514 | 0.499 | 2.9  | 97    | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.407 | 0.389 | 4.4  | 95    | 0.00     |
| 24   | Nitrobenzene                | 0.426 | 0.403 | 5.4  | 95    | 0.00     |
| 25   | Isophorone                  | 0.765 | 0.744 | 2.7  | 97    | 0.00     |
| 26 C | 2-Nitrophenol               | 0.169 | 0.174 | -3.0 | 103   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.266 | 0.262 | 1.5  | 99    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.434 | 0.413 | 4.8  | 95    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.292 | 0.290 | 0.7  | 99    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.321 | 0.320 | 0.3  | 100   | 0.00     |
| 31   | Naphthalene                 | 1.008 | 0.976 | 3.2  | 98    | 0.00     |
| 32   | Benzoic acid                | 0.198 | 0.154 | 22.2 | 75    | 0.04     |
| 33   | 4-Chloroaniline             | 0.440 | 0.414 | 5.9  | 95    | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.202 | 0.203 | -0.5 | 100   | 0.00     |
| 35   | Caprolactam                 | 0.103 | 0.095 | 7.8  | 94    | 0.02     |
| 36 C | 4-Chloro-3-methylphenol     | 0.356 | 0.333 | 6.5  | 95    | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.718 | 0.682 | 5.0  | 96    | 0.00     |
| 38   | 1-Methylnaphthalene         | 0.680 | 0.639 | 6.0  | 95    | 0.00     |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0  | 101   | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.569 | 0.582 | -2.3 | 96    | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 0.335 | 0.340 | -1.5 | 94    | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 0.242 | 0.229 | 5.4  | 92    | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 0.385 | 0.394 | -2.3 | 96    | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 0.447 | 0.443 | 0.9  | 93    | 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           | 1.318 | 1.329 | -0.8 | 95    | 0.00     |
| 46   | 1,1'-Biphenyl              | 1.402 | 1.393 | 0.6  | 94    | 0.00     |
| 47   | 2-Chloronaphthalene        | 1.139 | 1.127 | 1.1  | 94    | 0.00     |
| 48   | 2-Nitroaniline             | 0.451 | 0.427 | 5.3  | 89    | 0.00     |
| 49   | Acenaphthylene             | 1.822 | 1.777 | 2.5  | 93    | 0.00     |
| 50   | Dimethylphthalate          | 1.463 | 1.397 | 4.5  | 91    | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 0.321 | 0.308 | 4.0  | 91    | 0.00     |
| 52 C | Acenaphthene               | 1.094 | 1.054 | 3.7  | 91    | 0.00     |
| 53   | 3-Nitroaniline             | 0.357 | 0.334 | 6.4  | 90    | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 0.195 | 0.174 | 10.8 | 86    | 0.00     |
| 55   | Dibenzofuran               | 1.762 | 1.670 | 5.2  | 90    | 0.00     |
| 56 P | 4-Nitrophenol              | 0.283 | 0.249 | 12.0 | 85    | 0.01     |
| 57   | 2,4-Dinitrotoluene         | 0.446 | 0.416 | 6.7  | 90    | 0.00     |
| 58   | Fluorene                   | 1.431 | 1.345 | 6.0  | 90    | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.383 | 0.364 | 5.0  | 91    | 0.00     |
| 60   | Diethylphthalate           | 1.490 | 1.385 | 7.0  | 90    | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 0.759 | 0.722 | 4.9  | 91    | 0.00     |
| 62   | 4-Nitroaniline             | 0.381 | 0.337 | 11.5 | 86    | 0.00     |
| 63   | Azobenzene                 | 1.630 | 1.500 | 8.0  | 87    | 0.00     |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0  | 95    | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 0.122 | 0.119 | 2.5  | 88    | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 0.579 | 0.581 | -0.3 | 89    | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 0.220 | 0.226 | -2.7 | 91    | 0.00     |
| 68   | Hexachlorobenzene          | 0.230 | 0.231 | -0.4 | 89    | 0.00     |
| 69   | Atrazine                   | 0.173 | 0.182 | -5.2 | 89    | 0.00     |
| 70 C | Pentachlorophenol          | 0.138 | 0.130 | 5.8  | 83    | 0.00     |
| 71   | Phenanthrene               | 1.042 | 1.003 | 3.7  | 87    | 0.00     |
| 72   | Anthracene                 | 1.039 | 1.009 | 2.9  | 87    | 0.00     |
| 73   | Carbazole                  | 0.986 | 0.931 | 5.6  | 87    | 0.00     |
| 74   | Di-n-butylphthalate        | 1.162 | 1.151 | 0.9  | 91    | 0.00     |
| 75 C | Fluoranthene               | 1.194 | 1.099 | 8.0  | 87    | 0.00     |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0  | 94    | 0.00     |
| 77   | Benzidine                  | 0.415 | 0.397 | 4.3  | 79    | 0.00     |
| 78   | Pyrene                     | 1.321 | 1.357 | -2.7 | 86    | 0.00     |
| 79 S | Terphenyl-d14              | 1.030 | 1.057 | -2.6 | 87    | 0.00     |
| 80   | Butylbenzylphthalate       | 0.534 | 0.575 | -7.7 | 96    | 0.00     |
| 81   | Benzo(a)anthracene         | 1.200 | 1.170 | 2.5  | 87    | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 0.371 | 0.407 | -9.7 | 97    | 0.00     |
| 83   | Chrysene                   | 1.144 | 1.124 | 1.7  | 87    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 0.762 | 0.803 | -5.4 | 97    | 0.00     |
| 85 c | Di-n-octyl phthalate       | 1.175 | 1.286 | -9.4 | 103   | 0.00     |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0  | 100   | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 1.157 | 1.240 | -7.2 | 94    | 0.00     |

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|------|------------------------|-------|-------|------|-------|----------|
| 88   | Benzo(b)fluoranthene   | 1.203 | 1.097 | 8.8  | 87    | 0.00     |
| 89   | Benzo(k)fluoranthene   | 1.169 | 1.115 | 4.6  | 91    | 0.00     |
| 90 C | Benzo(a)pyrene         | 1.069 | 1.034 | 3.3  | 90    | 0.00     |
| 91   | Dibenzo(a,h)anthracene | 0.966 | 1.029 | -6.5 | 93    | 0.00     |
| 92   | Benzo(q,h,i)perylene   | 0.919 | 1.007 | -9.6 | 94    | 0.01     |

(#) = Out of Range

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