

Data Path : Z:\HPCHEM1\BNA M\Data\BM072417\  
 Data File : BM010959.D  
 Acq On : 24 Jul 2017 12:05  
 Operator : SJ/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jul 24 17:33:24 2017  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM071217.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jul 12 14:21:16 2017  
 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    | 99    | -0.03    |
| 2    | 1,4-Dioxane                 | 0.533 | 0.486 | 8.8    | 90    | -0.02    |
| 3    | Pyridine                    | 1.456 | 1.211 | 16.8   | 79    | -0.02    |
| 4    | n-Nitrosodimethylamine      | 0.744 | 0.682 | 8.3    | 91    | -0.02    |
| 5 S  | 2-Fluorophenol              | 1.207 | 1.192 | 1.2    | 97    | -0.02    |
| 6    | Aniline                     | 2.085 | 1.868 | 10.4   | 88    | -0.02    |
| 7 S  | Phenol-d6                   | 1.664 | 1.767 | -6.2   | 105   | -0.02    |
| 8    | 2-Chlorophenol              | 1.195 | 1.251 | -4.7   | 102   | -0.03    |
| 9    | Benzaldehyde                | 1.156 | 1.157 | -0.1   | 98    | -0.02    |
| 10 C | Phenol                      | 1.760 | 1.885 | -7.1   | 105   | -0.02    |
| 11   | bis(2-Chloroethyl)ether     | 1.355 | 1.416 | -4.5   | 104   | -0.02    |
| 12   | 1,3-Dichlorobenzene         | 1.477 | 1.457 | 1.4    | 99    | -0.03    |
| 13 C | 1,4-Dichlorobenzene         | 1.525 | 1.497 | 1.8    | 99    | -0.02    |
| 14   | 1,2-Dichlorobenzene         | 1.453 | 1.407 | 3.2    | 98    | -0.03    |
| 15   | Benzyl Alcohol              | 1.576 | 1.515 | 3.9    | 96    | -0.02    |
| 16   | 2,2'-oxybis(1-Chloropropane | 1.175 | 1.272 | -8.3   | 107   | -0.02    |
| 17   | 2-Methylphenol              | 1.138 | 1.227 | -7.8   | 105   | -0.02    |
| 18   | Hexachloroethane            | 0.639 | 0.614 | 3.9    | 97    | -0.03    |
| 19 P | n-Nitroso-di-n-propylamine  | 1.318 | 1.463 | -11.0  | 112   | -0.03    |
| 20   | 3+4-Methylphenols           | 1.581 | 1.729 | -9.4   | 107   | -0.02    |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0    | 106   | -0.03    |
| 22   | Acetophenone                | 0.602 | 0.593 | 1.5    | 106   | -0.02    |
| 23 S | Nitrobenzene-d5             | 0.520 | 0.524 | -0.8   | 108   | -0.02    |
| 24   | Nitrobenzene                | 0.533 | 0.536 | -0.6   | 108   | -0.02    |
| 25   | Isophorone                  | 0.852 | 0.907 | -6.5   | 113   | -0.02    |
| 26 C | 2-Nitrophenol               | 0.177 | 0.180 | -1.7   | 110   | -0.03    |
| 27   | 2,4-Dimethylphenol          | 0.317 | 0.322 | -1.6   | 108   | -0.03    |
| 28   | bis(2-Chloroethoxy)methane  | 0.478 | 0.490 | -2.5   | 108   | -0.03    |
| 29 C | 2,4-Dichlorophenol          | 0.358 | 0.351 | 2.0    | 105   | -0.02    |
| 30   | 1,2,4-Trichlorobenzene      | 0.437 | 0.412 | 5.7    | 101   | -0.03    |
| 31   | Naphthalene                 | 1.017 | 0.997 | 2.0    | 104   | -0.03    |
| 32   | Benzoic acid                | 0.248 | 0.270 | -8.9   | 111   | -0.02    |
| 33   | 4-Chloroaniline             | 0.410 | 0.342 | 16.6   | 87    | -0.02    |
| 34 C | Hexachlorobutadiene         | 0.339 | 0.312 | 8.0    | 98    | -0.03    |
| 35   | Caprolactam                 | 0.095 | 0.120 | -26.3# | 128   | -0.02    |
| 36 C | 4-Chloro-3-methylphenol     | 0.433 | 0.486 | -12.2  | 118   | -0.02    |
| 37   | 2-Methylnaphthalene         | 0.730 | 0.741 | -1.5   | 109   | -0.02    |
| 38 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0    | 119   | -0.02    |
| 39   | 1,2,4,5-Tetrachlorobenzene  | 0.872 | 0.783 | 10.2   | 108   | -0.03    |
| 40 P | Hexachlorocyclopentadiene   | 0.500 | 0.411 | 17.8   | 94    | -0.03    |
| 41 S | 2,4,6-Tribromophenol        | 0.306 | 0.327 | -6.9   | 127   | -0.02    |
| 42 C | 2,4,6-Trichlorophenol       | 0.537 | 0.510 | 5.0    | 115   | -0.02    |
| 43   | 2,4,5-Trichlorophenol       | 0.530 | 0.518 | 2.3    | 113   | -0.02    |
| 44 S | 2-Fluorobiphenyl            | 1.608 | 1.479 | 8.0    | 112   | -0.02    |

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

|      | Compound                   | AvqRF | CCRF  | %Dev  | Area% | Dev(min) |
|------|----------------------------|-------|-------|-------|-------|----------|
| 45   | 1,1'-Biphenyl              | 1.742 | 1.623 | 6.8   | 112   | -0.02    |
| 46   | 2-Chloronaphthalene        | 1.278 | 1.186 | 7.2   | 112   | -0.02    |
| 47   | 2-Nitroaniline             | 0.420 | 0.471 | -12.1 | 130   | -0.02    |
| 48   | Acenaphthylene             | 1.900 | 1.877 | 1.2   | 117   | -0.02    |
| 49   | Dimethylphthalate          | 1.701 | 1.711 | -0.6  | 122   | -0.02    |
| 50   | 2,6-Dinitrotoluene         | 0.334 | 0.365 | -9.3  | 129   | -0.02    |
| 51 C | Acenaphthene               | 1.161 | 1.129 | 2.8   | 118   | -0.02    |
| 52   | 3-Nitroaniline             | 0.303 | 0.294 | 3.0   | 114   | -0.02    |
| 53 P | 2,4-Dinitrophenol          | 0.231 | 0.254 | -10.0 | 129   | -0.02    |
| 54   | Dibenzofuran               | 1.878 | 1.842 | 1.9   | 118   | -0.02    |
| 55 P | 4-Nitrophenol              | 0.263 | 0.302 | -14.8 | 134   | -0.02    |
| 56   | 2,4-Dinitrotoluene         | 0.463 | 0.539 | -16.4 | 134   | -0.02    |
| 57   | Fluorene                   | 1.615 | 1.647 | -2.0  | 123   | -0.02    |
| 58   | 2,3,4,6-Tetrachlorophenol  | 0.492 | 0.502 | -2.0  | 120   | -0.02    |
| 59   | Diethylphthalate           | 1.680 | 1.762 | -4.9  | 125   | -0.02    |
| 60   | 4-Chlorophenyl-phenylether | 0.992 | 0.957 | 3.5   | 119   | -0.02    |
| 61   | 4-Nitroaniline             | 0.317 | 0.341 | -7.6  | 123   | -0.02    |
| 62   | Azobenzene                 | 1.706 | 1.845 | -8.1  | 128   | -0.02    |
| 63 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0   | 135   | -0.02    |
| 64   | 4,6-Dinitro-2-methylphenol | 0.132 | 0.138 | -4.5  | 140   | -0.02    |
| 65 c | n-Nitrosodiphenylamine     | 0.572 | 0.538 | 5.9   | 127   | -0.02    |
| 66   | 4-Bromophenyl-phenylether  | 0.253 | 0.234 | 7.5   | 123   | -0.02    |
| 67   | Hexachlorobenzene          | 0.290 | 0.270 | 6.9   | 128   | -0.02    |
| 68   | Atrazine                   | 0.237 | 0.226 | 4.6   | 127   | -0.02    |
| 69 C | Pentachlorophenol          | 0.186 | 0.192 | -3.2  | 135   | -0.02    |
| 70   | Phenanthrene               | 1.040 | 1.028 | 1.2   | 134   | -0.02    |
| 71   | Anthracene                 | 1.033 | 1.022 | 1.1   | 133   | -0.02    |
| 72   | Carbazole                  | 0.910 | 0.941 | -3.4  | 139   | -0.02    |
| 73   | Di-n-butylphthalate        | 1.076 | 1.163 | -8.1  | 141   | -0.02    |
| 74 C | Fluoranthene               | 1.289 | 1.400 | -8.6  | 146   | -0.02    |
| 75 I | Chrysene-d12               | 1.000 | 1.000 | 0.0   | 152#  | -0.01    |
| 76   | Benzidine                  | 0.535 | 0.130 | 75.7# | 34#   | -0.01    |
| 77   | Pyrene                     | 1.159 | 1.121 | 3.3   | 147   | -0.02    |
| 78 S | Terphenyl-d14              | 1.034 | 0.976 | 5.6   | 146   | -0.02    |
| 79   | Butylbenzylphthalate       | 0.406 | 0.442 | -8.9  | 161#  | -0.01    |
| 80   | Benzo(a)anthracene         | 1.159 | 1.118 | 3.5   | 147   | -0.01    |
| 81   | 3,3'-Dichlorobenzidine     | 0.456 | 0.322 | 29.4# | 105   | -0.02    |
| 82   | Chrysene                   | 1.104 | 1.064 | 3.6   | 147   | -0.01    |
| 83   | Bis(2-ethylhexyl)phthalate | 0.591 | 0.651 | -10.2 | 158#  | -0.01    |
| 84 c | Di-n-octyl phthalate       | 0.969 | 1.106 | -14.1 | 167#  | -0.02    |
| 85   | Indeno(1,2,3-cd)pyrene     | 1.266 | 0.929 | 26.6# | 112   | -0.03    |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0   | 136   | -0.02    |
| 87   | Benzo(b)fluoranthene       | 1.270 | 1.347 | -6.1  | 143   | -0.02    |

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|------|------------------------|-------|-------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 1.213 | 1.241 | -2.3 | 139   | -0.02    |
| 89 C | Benzo(a)pyrene         | 1.156 | 1.148 | 0.7  | 134   | -0.02    |
| 90   | Dibenzo(a,h)anthracene | 1.122 | 0.882 | 21.4 | 106   | -0.03    |
| 91   | Benzo(a,h,i)perylene   | 1.103 | 0.907 | 17.8 | 111   | -0.03    |

(#) = Out of Range

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