

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP020320\  
 Data File : BP001721.D  
 Acq On : 03 Feb 2020 15:29  
 Operator : CG/JU  
 Sample : SSTDICV040  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 ICVBP020320

Quant Time: Feb 03 16:47:37 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP020320.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Feb 03 15:16:18 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    | 106   | 0.00     |
| 2    | 1,4-Dioxane                 | 0.462 | 0.464 | -0.4   | 108   | 0.00     |
| 3    | Pyridine                    | 1.319 | 1.373 | -4.1   | 106   | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.503 | 0.495 | 1.6    | 103   | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.124 | 1.158 | -3.0   | 107   | 0.00     |
| 6    | Aniline                     | 1.803 | 1.796 | 0.4    | 102   | 0.00     |
| 7 S  | Phenol-d6                   | 1.466 | 1.502 | -2.5   | 105   | 0.00     |
| 8    | 2-Chlorophenol              | 1.232 | 1.266 | -2.8   | 105   | 0.00     |
| 9    | Benzaldehyde                | 0.795 | 0.773 | 2.8    | 108   | 0.00     |
| 10 C | Phenol                      | 1.494 | 1.525 | -2.1   | 104   | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.200 | 1.218 | -1.5   | 104   | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.502 | 1.510 | -0.5   | 105   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.510 | 1.536 | -1.7   | 106   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.435 | 1.456 | -1.5   | 106   | 0.00     |
| 15   | Benzyl Alcohol              | 0.993 | 1.039 | -4.6   | 107   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 1.498 | 1.460 | 2.5    | 100   | -0.01    |
| 17   | 2-Methylphenol              | 0.994 | 1.012 | -1.8   | 104   | 0.00     |
| 18   | Hexachloroethane            | 0.525 | 0.537 | -2.3   | 108   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 0.891 | 0.905 | -1.6   | 103   | 0.00     |
| 20   | 3+4-Methylphenols           | 1.326 | 1.373 | -3.5   | 106   | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0    | 103   | 0.00     |
| 22   | Acetophenone                | 0.490 | 0.492 | -0.4   | 103   | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.327 | 0.347 | -6.1   | 108   | 0.00     |
| 24   | Nitrobenzene                | 0.333 | 0.343 | -3.0   | 106   | 0.00     |
| 25   | Isophorone                  | 0.612 | 0.621 | -1.5   | 103   | 0.00     |
| 26 C | 2-Nitrophenol               | 0.115 | 0.134 | -16.5  | 128   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.243 | 0.245 | -0.8   | 105   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.416 | 0.415 | 0.2    | 102   | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.283 | 0.293 | -3.5   | 106   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.347 | 0.344 | 0.9    | 103   | 0.00     |
| 31   | Naphthalene                 | 1.020 | 1.020 | 0.0    | 103   | 0.00     |
| 32   | Benzoic acid                | 0.117 | 0.147 | -25.6# | 149   | 0.00     |
| 33   | 4-Chloroaniline             | 0.435 | 0.432 | 0.7    | 101   | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.206 | 0.204 | 1.0    | 103   | 0.00     |
| 35   | Caprolactam                 | 0.086 | 0.093 | -8.1   | 112   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.289 | 0.294 | -1.7   | 104   | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.714 | 0.707 | 1.0    | 102   | 0.00     |
| 38   | 1-Methylnaphthalene         | 0.677 | 0.670 | 1.0    | 102   | 0.00     |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0    | 103   | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.636 | 0.631 | 0.8    | 102   | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 0.275 | 0.283 | -2.9   | 108   | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 0.205 | 0.219 | -6.8   | 111   | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 0.360 | 0.379 | -5.3   | 108   | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 0.380 | 0.397 | -4.5   | 108   | 0.00     |

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|      | Compound                   | AvgRF | CCRF  | %Dev  | Area% | Dev(min) |
|------|----------------------------|-------|-------|-------|-------|----------|
| 45 S | 2-Fluorobiphenyl           | 1.377 | 1.383 | -0.4  | 102   | 0.00     |
| 46   | 1,1'-Biphenyl              | 1.559 | 1.539 | 1.3   | 102   | 0.00     |
| 47   | 2-Chloronaphthalene        | 1.228 | 1.203 | 2.0   | 101   | 0.00     |
| 48   | 2-Nitroaniline             | 0.279 | 0.312 | -11.8 | 114   | 0.00     |
| 49   | Acenaphthylene             | 1.852 | 1.846 | 0.3   | 103   | 0.00     |
| 50   | Dimethylphthalate          | 1.476 | 1.472 | 0.3   | 104   | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 0.283 | 0.305 | -7.8  | 110   | 0.00     |
| 52 C | Acenaphthene               | 1.186 | 1.178 | 0.7   | 104   | 0.00     |
| 53   | 3-Nitroaniline             | 0.333 | 0.357 | -7.2  | 112   | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 0.078 | 0.090 | -15.4 | 137   | 0.00     |
| 55   | Dibenzofuran               | 1.755 | 1.734 | 1.2   | 103   | 0.00     |
| 56 P | 4-Nitrophenol              | 0.241 | 0.267 | -10.8 | 115   | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 0.369 | 0.405 | -9.8  | 114   | 0.00     |
| 58   | Fluorene                   | 1.409 | 1.407 | 0.1   | 102   | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.330 | 0.351 | -6.4  | 108   | 0.00     |
| 60   | Diethylphthalate           | 1.477 | 1.478 | -0.1  | 104   | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 0.716 | 0.716 | 0.0   | 104   | 0.00     |
| 62   | 4-Nitroaniline             | 0.351 | 0.377 | -7.4  | 109   | 0.00     |
| 63   | Azobenzene                 | 1.352 | 1.335 | 1.3   | 103   | 0.00     |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0   | 106   | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 0.057 | 0.066 | -15.8 | 133   | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 0.596 | 0.590 | 1.0   | 103   | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 0.217 | 0.209 | 3.7   | 104   | 0.00     |
| 68   | Hexachlorobenzene          | 0.247 | 0.237 | 4.0   | 103   | 0.00     |
| 69   | Atrazine                   | 0.179 | 0.187 | -4.5  | 106   | 0.00     |
| 70 C | Pentachlorophenol          | 0.115 | 0.121 | -5.2  | 110   | 0.00     |
| 71   | Phenanthrene               | 1.077 | 1.059 | 1.7   | 102   | 0.00     |
| 72   | Anthracene                 | 1.042 | 1.040 | 0.2   | 104   | 0.00     |
| 73   | Carbazole                  | 0.993 | 0.989 | 0.4   | 104   | 0.00     |
| 74   | Di-n-butylphthalate        | 1.160 | 1.190 | -2.6  | 107   | 0.00     |
| 75 C | Fluoranthene               | 1.210 | 1.209 | 0.1   | 105   | 0.00     |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0   | 107   | 0.00     |
| 77   | Benzidine                  | 0.470 | 0.564 | -20.0 | 123   | 0.00     |
| 78   | Pyrene                     | 1.376 | 1.364 | 0.9   | 104   | 0.00     |
| 79 S | Terphenyl-d14              | 0.980 | 1.005 | -2.6  | 103   | 0.00     |
| 80   | Butylbenzylphthalate       | 0.540 | 0.572 | -5.9  | 114   | 0.00     |
| 81   | Benzo(a)anthracene         | 1.331 | 1.327 | 0.3   | 107   | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 0.449 | 0.480 | -6.9  | 112   | 0.00     |
| 83   | Chrysene                   | 1.255 | 1.238 | 1.4   | 104   | 0.01     |
| 84   | Bis(2-ethylhexyl)phthalate | 0.848 | 0.885 | -4.4  | 111   | 0.00     |
| 85 c | Di-n-octyl phthalate       | 1.334 | 1.422 | -6.6  | 113   | 0.00     |
| 86   | Indeno(1,2,3-cd)pyrene     | 1.592 | 1.621 | -1.8  | 109   | 0.02     |
| 87 I | Perylene-d12               | 1.000 | 1.000 | 0.0   | 108   | 0.01     |

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|------|------------------------|-------|-------|------|-------|----------|
| 88   | Benzo(b)fluoranthene   | 1.212 | 1.167 | 3.7  | 101   | 0.00     |
| 89   | Benzo(k)fluoranthene   | 1.142 | 1.186 | -3.9 | 111   | 0.01     |
| 90 C | Benzo(a)pyrene         | 1.106 | 1.111 | -0.5 | 108   | 0.02     |
| 91   | Dibenzo(a,h)anthracene | 1.130 | 1.166 | -3.2 | 109   | 0.02     |
| 92   | Benzo(a,h,i)perylene   | 1.115 | 1.121 | -0.5 | 109   | 0.02     |

(#) = Out of Range

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