

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091619\  
 Data File : BP000244.D  
 Acq On : 16 Sep 2019 17:24  
 Operator : HP/JU  
 Sample : SSTDICC060  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SSTDICC060

Quant Time: Sep 16 17:57:24 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP091619.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Sep 16 17:15:18 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.79  | 152  | 341618   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.08  | 136  | 1314441  | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 9.83  | 164  | 702944   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 11.33 | 188  | 1249491  | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 14.00 | 240  | 870098   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 15.48 | 264  | 1048316  | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.41  | 112 | 2319328 | 108.26 | ng | 0.00 |
| 7) Phenol-d6             | 6.43  | 99  | 2868568 | 106.07 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 7.36  | 82  | 2400435 | 112.06 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.63 | 330 | 825793  | 139.37 | ng | 0.00 |
| 45) 2-Fluorobiphenyl     | 9.16  | 172 | 4296827 | 102.08 | ng | 0.00 |
| 79) Terphenyl-d14        | 12.93 | 244 | 4807214 | 120.42 | ng | 0.00 |

## Target Compounds

| Target Compounds               | R.T. | QIon | Response | Conc   | Units | Qvalue |
|--------------------------------|------|------|----------|--------|-------|--------|
| 2) 1,4-Dioxane                 | 2.50 | 88   | 538172   | 54.614 | ng    | 99     |
| 3) Pyridine                    | 3.25 | 79   | 1448644  | 54.565 | ng    | 99     |
| 4) n-Nitrosodimethylamine      | 3.21 | 42   | 414680   | 48.371 | ng    | 99     |
| 6) Aniline                     | 6.46 | 93   | 1977278  | 50.518 | ng    | 99     |
| 8) 2-Chlorophenol              | 6.58 | 128  | 1274551  | 57.538 | ng    | 98     |
| 9) Benzaldehyde                | 6.34 | 77   | 733109   | 43.958 | ng    | 98     |
| 10) Phenol                     | 6.44 | 94   | 1626663  | 54.136 | ng    | 91     |
| 11) bis(2-Chloroethyl)ether    | 6.53 | 93   | 1271563  | 53.570 | ng    | 99     |
| 12) 1,3-Dichlorobenzene        | 6.73 | 146  | 1508047  | 58.365 | ng    | 98     |
| 13) 1,4-Dichlorobenzene        | 6.81 | 146  | 1504424  | 58.472 | ng    | 98     |
| 14) 1,2-Dichlorobenzene        | 6.96 | 146  | 1373583  | 58.105 | ng    | 98     |
| 15) Benzyl Alcohol             | 6.93 | 79   | 1058525  | 53.383 | ng    | 99     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.07 | 45   | 1193025  | 46.738 | ng    | 99     |
| 17) 2-Methylphenol             | 7.05 | 107  | 1096242  | 57.622 | ng    | 99     |
| 18) Hexachloroethane           | 7.30 | 117  | 564012   | 59.104 | ng    | 99     |
| 19) n-Nitroso-di-n-propylamine | 7.21 | 70   | 748931   | 48.658 | ng    | 97     |
| 20) 3+4-Methylphenols          | 7.20 | 107  | 1218718  | 51.364 | ng    | 99     |
| 22) Acetophenone               | 7.20 | 105  | 1623044  | 51.552 | ng    | # 98   |
| 24) Nitrobenzene               | 7.38 | 77   | 1246330  | 53.704 | ng    | 99     |
| 25) Isophorone                 | 7.62 | 82   | 2376799  | 52.511 | ng    | 99     |
| 26) 2-Nitrophenol              | 7.69 | 139  | 692200   | 76.591 | ng    | 96     |
| 27) 2,4-Dimethylphenol         | 7.73 | 122  | 1068511  | 58.590 | ng    | 100    |
| 28) bis(2-Chloroethoxy)methane | 7.82 | 93   | 1583397  | 53.797 | ng    | 99     |
| 29) 2,4-Dichlorophenol         | 7.93 | 162  | 1130557  | 60.288 | ng    | 98     |
| 30) 1,2,4-Trichlorobenzene     | 8.02 | 180  | 1302863  | 60.943 | ng    | 98     |
| 31) Naphthalene                | 8.10 | 128  | 3522674  | 58.412 | ng    | 99     |
| 32) Benzoic acid               | 7.85 | 122  | 767675   | 68.561 | ng    | 99     |
| 33) 4-Chloroaniline            | 8.15 | 127  | 1582865  | 55.650 | ng    | 98     |
| 34) Hexachlorobutadiene        | 8.22 | 225  | 776952   | 64.499 | ng    | 99     |
| 35) Caprolactam                | 8.52 | 113  | 388142   | 58.201 | ng    | 96     |
| 36) 4-Chloro-3-methylphenol    | 8.63 | 107  | 1148467  | 56.130 | ng    | 99     |
| 37) 2-Methylnaphthalene        | 8.79 | 142  | 2407597  | 57.126 | ng    | 99     |
| 38) 1-Methylnaphthalene        | 8.89 | 142  | 2271116  | 57.192 | ng    | 99     |
| 40) 1,2,4,5-Tetrachlorobenzene | 8.96 | 216  | 1183936  | 59.504 | ng    | 100    |

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| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 8.95  | 237  | 712871   | 65.070 | ng    | 100      |
| 43) 2,4,6-Trichlorophenol      | 9.07  | 196  | 835100   | 60.862 | ng    | 99       |
| 44) 2,4,5-Trichlorophenol      | 9.10  | 196  | 847995   | 59.068 | ng    | 96       |
| 46) 1,1'-Biphenyl              | 9.26  | 154  | 2803166  | 56.487 | ng    | 98       |
| 47) 2-Chloronaphthalene        | 9.28  | 162  | 2364592  | 57.401 | ng    | 98       |
| 48) 2-Nitroaniline             | 9.37  | 65   | 620424   | 55.759 | ng    | 93       |
| 49) Acenaphthylene             | 9.70  | 152  | 3505449  | 57.350 | ng    | 98       |
| 50) Dimethylphthalate          | 9.56  | 163  | 2806573  | 58.590 | ng    | 99       |
| 51) 2,6-Dinitrotoluene         | 9.62  | 165  | 643642   | 63.304 | ng    | 96       |
| 52) Acenaphthene               | 9.87  | 154  | 2285149  | 59.579 | ng    | 100      |
| 53) 3-Nitroaniline             | 9.79  | 138  | 725958   | 59.767 | ng    | 99       |
| 54) 2,4-Dinitrophenol          | 9.89  | 184  | 304978   | 94.992 | ng    | 99       |
| 55) Dibenzofuran               | 10.05 | 168  | 3171967  | 58.240 | ng    | 99       |
| 56) 4-Nitrophenol              | 9.95  | 139  | 545333   | 62.813 | ng    | 95       |
| 57) 2,4-Dinitrotoluene         | 10.03 | 165  | 844482   | 65.058 | ng    | 99       |
| 58) Fluorene                   | 10.39 | 166  | 2289123  | 55.846 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol  | 10.16 | 232  | 692955   | 63.750 | ng    | 99       |
| 60) Diethylphthalate           | 10.26 | 149  | 2699514  | 56.301 | ng    | 98       |
| 61) 4-Chlorophenyl-phenylether | 10.38 | 204  | 1244455  | 58.411 | ng    | 97       |
| 62) 4-Nitroaniline             | 10.40 | 138  | 709175   | 61.211 | ng    | 99       |
| 63) Azobenzene                 | 10.54 | 77   | 2248179  | 48.964 | ng    | 98       |
| 65) 4,6-Dinitro-2-methylphenol | 10.44 | 198  | 375191   | 84.580 | ng    | 96       |
| 66) n-Nitrosodiphenylamine     | 10.50 | 169  | 2191332  | 59.031 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether  | 10.87 | 248  | 843746   | 66.446 | ng    | 96       |
| 68) Hexachlorobenzene          | 10.95 | 284  | 920101   | 66.501 | ng    | 94       |
| 69) Atrazine                   | 11.03 | 200  | 453405   | 41.980 | ng    | 98       |
| 70) Pentachlorophenol          | 11.13 | 266  | 512341   | 68.339 | ng    | 98       |
| 71) Phenanthrene               | 11.36 | 178  | 3607541  | 57.927 | ng    | 99       |
| 72) Anthracene                 | 11.41 | 178  | 3552776  | 57.750 | ng    | 98       |
| 73) Carbazole                  | 11.56 | 167  | 3288591  | 56.633 | ng    | 99       |
| 74) Di-n-butylphthalate        | 11.90 | 149  | 4053922  | 57.574 | ng    | 98       |
| 75) Fluoranthene               | 12.56 | 202  | 3854336  | 56.953 | ng    | 98       |
| 77) Benzidine                  | 12.67 | 184  | 1470323  | 48.978 | ng    | 98       |
| 78) Pyrene                     | 12.79 | 202  | 3879472  | 60.607 | ng    | 98       |
| 80) Butylbenzylphthalate       | 13.42 | 149  | 1790882  | 62.793 | ng    | 98       |
| 81) Benzo(a)anthracene         | 13.99 | 228  | 3212141  | 56.971 | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine     | 13.95 | 252  | 1315430  | 63.242 | ng    | 99       |
| 83) Chrysene                   | 14.03 | 228  | 3164453  | 59.337 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phthalate | 13.99 | 149  | 2122566  | 57.189 | ng    | 100      |
| 85) Di-n-octyl phthalate       | 14.61 | 149  | 4000801  | 61.171 | ng    | 100      |
| 86) Indeno(1,2,3-cd)pyrene     | 16.97 | 276  | 4078815  | 61.036 | ng    | 99       |
| 88) Benzo(b)fluoranthene       | 15.06 | 252  | 3700329  | 57.788 | ng    | 99       |
| 89) Benzo(k)fluoranthene       | 15.09 | 252  | 3232513  | 55.165 | ng    | 99       |
| 90) Benzo(a)pyrene             | 15.43 | 252  | 3363807  | 58.195 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene     | 17.00 | 278  | 3179167  | 54.998 | ng    | 99       |
| 92) Benzo(g,h,i)perylene       | 17.43 | 276  | 3335253  | 58.294 | ng    | 99       |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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