

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF050118\  
 Data File : BF104997.D  
 Acq On : 1 May 2018 21:13  
 Operator : JU/SJ  
 Sample : PB108628BS  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB108628BS

Quant Time: May 02 06:54:28 2018  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF040618.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue May 01 16:13:08 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.79  | 152  | 109620   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.07  | 136  | 454231   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 9.83  | 164  | 205528   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.32 | 188  | 332535   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 14.01 | 240  | 209159   | 20.00 | ng    | 0.04     |
| 86) Perylene-d12          | 15.55 | 264  | 193915   | 20.00 | ng    | 0.12     |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.42  | 112 | 729430  | 101.75 | ng | 0.01 |
| 7) Phenol-d6             | 6.44  | 99  | 889388  | 100.97 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 7.36  | 82  | 546625  | 78.58  | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.63 | 330 | 213659  | 100.22 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 9.15  | 172 | 1039088 | 79.87  | ng | 0.00 |
| 78) Terphenyl-d14        | 12.91 | 244 | 785518  | 85.62  | ng | 0.00 |

## Target Compounds

|                                |      |     |        |        |    | Qvalue |
|--------------------------------|------|-----|--------|--------|----|--------|
| 2) 1,4-Dioxane                 | 2.56 | 88  | 92454  | 27.677 | ng | # 86   |
| 3) Pyridine                    | 3.30 | 79  | 264993 | 28.215 | ng | # 85   |
| 4) n-Nitrosodimethylamine      | 3.27 | 42  | 102020 | 31.074 | ng | 80     |
| 6) Aniline                     | 6.46 | 93  | 241718 | 19.752 | ng | 92     |
| 8) 2-Chlorophenol              | 6.58 | 128 | 279914 | 36.992 | ng | 91     |
| 9) Benzaldehyde                | 6.34 | 77  | 107616 | 20.413 | ng | 97     |
| 10) Phenol                     | 6.45 | 94  | 330132 | 35.323 | ng | 86     |
| 11) bis(2-Chloroethyl)ether    | 6.53 | 93  | 256120 | 34.340 | ng | 94     |
| 12) 1,3-Dichlorobenzene        | 6.73 | 146 | 288944 | 33.707 | ng | 100    |
| 13) 1,4-Dichlorobenzene        | 6.80 | 146 | 294725 | 34.490 | ng | 99     |
| 14) 1,2-Dichlorobenzene        | 6.96 | 146 | 276184 | 34.877 | ng | 98     |
| 15) Benzyl Alcohol             | 6.94 | 79  | 214141 | 32.008 | ng | 99     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.06 | 45  | 287664 | 28.720 | ng | 55     |
| 17) 2-Methylphenol             | 7.05 | 107 | 223289 | 33.948 | ng | 94     |
| 18) Hexachloroethane           | 7.30 | 117 | 98627  | 32.372 | ng | 96     |
| 19) n-Nitroso-di-n-propylamine | 7.21 | 70  | 173851 | 30.203 | ng | 90     |
| 20) 3+4-Methylphenols          | 7.21 | 107 | 283878 | 34.799 | ng | # 84   |
| 22) Acetophenone               | 7.20 | 105 | 366158 | 32.743 | ng | # 99   |
| 24) Nitrobenzene               | 7.38 | 77  | 271137 | 35.303 | ng | 93     |
| 25) Isophorone                 | 7.62 | 82  | 495756 | 33.702 | ng | 99     |
| 26) 2-Nitrophenol              | 7.69 | 139 | 143819 | 45.998 | ng | 95     |
| 27) 2,4-Dimethylphenol         | 7.73 | 122 | 239419 | 36.879 | ng | 98     |
| 28) bis(2-Chloroethoxy)methane | 7.82 | 93  | 323609 | 35.981 | ng | 98     |
| 29) 2,4-Dichlorophenol         | 7.94 | 162 | 228741 | 36.928 | ng | 99     |
| 30) 1,2,4-Trichlorobenzene     | 8.02 | 180 | 240036 | 35.310 | ng | 99     |
| 31) Naphthalene                | 8.10 | 128 | 788394 | 34.856 | ng | 100    |
| 32) Benzoic acid               | 7.87 | 122 | 116260 | 22.444 | ng | 96     |
| 33) 4-Chloroaniline            | 8.15 | 127 | 139424 | 14.388 | ng | 96     |
| 34) Hexachlorobutadiene        | 8.20 | 225 | 131377 | 35.283 | ng | 99     |
| 35) Caprolactam                | 8.53 | 113 | 71931  | 33.288 | ng | # 77   |
| 36) 4-Chloro-3-methylphenol    | 8.65 | 107 | 239914 | 36.121 | ng | 98     |
| 37) 2-Methylnaphthalene        | 8.79 | 142 | 518239 | 35.422 | ng | 98     |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.96 | 216 | 224184 | 38.105 | ng | 98     |
| 40) Hexachlorocyclopentadiene  | 8.93 | 237 | 38679  | 11.743 | ng | 97     |

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|--------------------------------|-------|------|----------|--------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 9.07  | 196  | 151784   | 37.164 | ng    | 98       |
| 43) 2,4,5-Trichlorophenol      | 9.12  | 196  | 158987   | 34.787 | ng    | 93       |
| 45) 1,1'-Biphenyl              | 9.26  | 154  | 620896   | 35.961 | ng    | 98       |
| 46) 2-Chloronaphthalene        | 9.28  | 162  | 482062   | 35.348 | ng    | 100      |
| 47) 2-Nitroaniline             | 9.39  | 65   | 141293   | 41.894 | ng    | 92       |
| 48) Acenaphthylene             | 9.70  | 152  | 710216   | 33.192 | ng    | 100      |
| 49) Dimethylphthalate          | 9.56  | 163  | 587411   | 36.243 | ng    | 100      |
| 50) 2,6-Dinitrotoluene         | 9.63  | 165  | 123421   | 41.154 | ng #  | 87       |
| 51) Acenaphthene               | 9.87  | 154  | 414767   | 31.770 | ng    | 99       |
| 52) 3-Nitroaniline             | 9.80  | 138  | 90494    | 25.775 | ng    | 96       |
| 53) 2,4-Dinitrophenol          | 9.92  | 184  | 15349    | 21.711 | ng #  | 22       |
| 54) Dibenzofuran               | 10.04 | 168  | 613417   | 33.716 | ng    | 96       |
| 55) 4-Nitrophenol              | 9.97  | 139  | 152897   | 55.438 | ng    | 93       |
| 56) 2,4-Dinitrotoluene         | 10.03 | 165  | 147518   | 37.500 | ng    | 97       |
| 57) Fluorene                   | 10.39 | 166  | 491597   | 37.122 | ng    | 99       |
| 58) 2,3,4,6-Tetrachlorophenol  | 10.16 | 232  | 116925   | 34.292 | ng    | 92       |
| 59) Diethylphthalate           | 10.26 | 149  | 552085   | 34.203 | ng    | 97       |
| 60) 4-Chlorophenyl-phenylether | 10.37 | 204  | 233845   | 39.651 | ng    | 95       |
| 61) 4-Nitroaniline             | 10.42 | 138  | 118696   | 34.576 | ng    | 92       |
| 62) Azobenzene                 | 10.53 | 77   | 479800   | 31.113 | ng    | 95       |
| 64) 4,6-Dinitro-2-methylphenol | 10.45 | 198  | 15828    | 15.624 | ng    | 84       |
| 65) n-Nitrosodiphenylamine     | 10.50 | 169  | 440428   | 38.199 | ng    | 99       |
| 66) 4-Bromophenyl-phenylether  | 10.86 | 248  | 139590   | 39.464 | ng    | 94       |
| 67) Hexachlorobenzene          | 10.93 | 284  | 149054   | 37.451 | ng #  | 91       |
| 68) Atrazine                   | 11.03 | 200  | 139504   | 40.085 | ng    | 99       |
| 69) Pentachlorophenol          | 11.13 | 266  | 101324   | 41.151 | ng    | 98       |
| 70) Phenanthrene               | 11.35 | 178  | 640327   | 34.577 | ng    | 98       |
| 71) Anthracene                 | 11.40 | 178  | 654951   | 34.793 | ng    | 99       |
| 72) Carbazole                  | 11.56 | 167  | 582705   | 31.678 | ng    | 99       |
| 73) Di-n-butylphthalate        | 11.88 | 149  | 805074   | 35.829 | ng    | 99       |
| 74) Fluoranthene               | 12.54 | 202  | 566615   | 29.285 | ng    | 99       |
| 76) Benzidine                  | 12.67 | 184  | 319842   | 47.484 | ng    | 98       |
| 77) Pyrene                     | 12.77 | 202  | 552743   | 35.653 | ng    | 99       |
| 79) Butylbenzylphthalate       | 13.39 | 149  | 279484   | 38.265 | ng    | 97       |
| 80) Benzo(a)anthracene         | 14.00 | 228  | 468114   | 37.463 | ng    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 13.96 | 252  | 168085   | 36.078 | ng    | 96       |
| 82) Chrysene                   | 14.04 | 228  | 444772   | 34.654 | ng    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 13.97 | 149  | 392817   | 41.813 | ng    | 99       |
| 84) Di-n-octyl phthalate       | 14.65 | 149  | 612692   | 39.030 | ng #  | 93       |
| 85) Indeno(1,2,3-cd)pyrene     | 17.04 | 276  | 371458   | 34.070 | ng    | 96       |
| 87) Benzo(b)fluoranthene       | 15.12 | 252  | 472438   | 38.575 | ng    | 99       |
| 88) Benzo(k)fluoranthene       | 15.15 | 252  | 398411   | 34.457 | ng    | 98       |
| 89) Benzo(a)pyrene             | 15.49 | 252  | 405233   | 36.980 | ng    | 98       |
| 90) Dibenzo(a,h)anthracene     | 17.04 | 278  | 319982   | 35.553 | ng    | 97       |
| 91) Benzo(g,h,i)perylene       | 17.48 | 276  | 293549   | 33.666 | ng    | 94       |

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

