

Data Path : Z:\HPCHEM1\BNA G\DATA\BG041117\  
 Data File : BG026628.D  
 Acq On : 11 Apr 2017 22:25  
 Operator : SJ/MA  
 Sample : I2595-03MS  
 Misc : For Confirmation  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 GRID-1MS

Manual Integrations  
 APPROVED

mohammad  
 4/12/2017 5:13:06 PM

Quant Time: Apr 12 06:40:46 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG032017.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Mar 20 17:43:27 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.04  | 152  | 165487   | 20.00 | ng    | -0.01    |
| 21) Naphthalene-d8        | 10.83 | 136  | 691543   | 20.00 | ng    | -0.02    |
| 38) Acenaphthene-d10      | 14.64 | 164  | 434379   | 20.00 | ng    | -0.02    |
| 63) Phenanthrene-d10      | 17.38 | 188  | 1079658  | 20.00 | ng    | -0.01    |
| 75) Chrysene-d12          | 21.62 | 240  | 1212286  | 20.00 | ng    | -0.02    |
| 86) Perylene-d12          | 24.79 | 264  | 1194752  | 20.00 | ng    | -0.03    |

## System Monitoring Compounds

|                          |       |     |         |        |    |       |
|--------------------------|-------|-----|---------|--------|----|-------|
| 5) 2-Fluorophenol        | 5.61  | 112 | 1303909 | 139.85 | ng | 0.00  |
| 7) Phenol-d6             | 7.20  | 99  | 1639687 | 130.99 | ng | 0.00  |
| 23) Nitrobenzene-d5      | 9.19  | 82  | 984141  | 85.57  | ng | -0.01 |
| 41) 2,4,6-Tribromophenol | 16.13 | 330 | 850976  | 171.07 | ng | -0.01 |
| 44) 2-Fluorobiphenyl     | 13.27 | 172 | 2649191 | 85.53  | ng | -0.01 |
| 78) Terphenyl-d14        | 19.97 | 244 | 3782762 | 75.78  | ng | -0.02 |

## Target Compounds

|                                |       |     |         |       |    | Qvalue |
|--------------------------------|-------|-----|---------|-------|----|--------|
| 2) 1,4-Dioxane                 | 3.50  | 88  | 153740  | 36.74 | ng | # 70   |
| 3) Pyridine                    | 3.91  | 79  | 390588  | 34.08 | ng | # 61   |
| 4) n-Nitrosodimethylamine      | 3.81  | 42  | 128572  | 41.04 | ng | # 1    |
| 6) Aniline                     | 7.37  | 93  | 269593  | 16.12 | ng | # 84   |
| 8) 2-Chlorophenol              | 7.60  | 128 | 504937  | 48.09 | ng | # 81   |
| 9) Benzaldehyde                | 7.17  | 77  | 62898   | 7.44  | ng | # 66   |
| 10) Phenol                     | 7.23  | 94  | 566438  | 42.40 | ng | # 69   |
| 11) bis(2-Chloroethyl)ether    | 7.45  | 93  | 467379  | 42.67 | ng | # 78   |
| 12) 1,3-Dichlorobenzene        | 7.92  | 146 | 548905  | 43.92 | ng | # 86   |
| 13) 1,4-Dichlorobenzene        | 8.07  | 146 | 555665m | 43.95 | ng |        |
| 14) 1,2-Dichlorobenzene        | 8.39  | 146 | 533627  | 44.10 | ng | # 88   |
| 15) Benzyl Alcohol             | 8.27  | 79  | 358794  | 43.72 | ng | # 75   |
| 16) 2,2'-oxybis(1-Chloropropan | 8.56  | 45  | 432799  | 35.58 | ng | 79     |
| 17) 2-Methylphenol             | 8.48  | 107 | 426478  | 44.96 | ng | # 80   |
| 18) Hexachloroethane           | 9.12  | 117 | 175515  | 42.45 | ng | 94     |
| 19) n-Nitroso-di-n-propylamine | 8.83  | 70  | 330084  | 41.02 | ng | # 68   |
| 20) 3+4-Methylphenols          | 8.81  | 107 | 592309  | 45.35 | ng | 86     |
| 22) Acetophenone               | 8.85  | 105 | 708987  | 44.58 | ng | # 73   |
| 24) Nitrobenzene               | 9.23  | 77  | 505218  | 44.49 | ng | # 71   |
| 25) Isophorone                 | 9.76  | 82  | 937295  | 43.24 | ng | # 87   |
| 26) 2-Nitrophenol              | 9.95  | 139 | 292035  | 49.42 | ng | # 62   |
| 27) 2,4-Dimethylphenol         | 10.00 | 122 | 491158  | 50.64 | ng | 86     |
| 28) bis(2-Chloroethoxy)methane | 10.23 | 93  | 619557  | 44.00 | ng | # 97   |
| 29) 2,4-Dichlorophenol         | 10.49 | 162 | 531885  | 54.22 | ng | 94     |
| 30) 1,2,4-Trichlorobenzene     | 10.70 | 180 | 528036  | 47.92 | ng | 99     |
| 31) Naphthalene                | 10.89 | 128 | 1592026 | 45.53 | ng | 99     |
| 32) Benzoic acid               | 10.15 | 122 | 304655  | 40.82 | ng | # 69   |
| 34) Hexachlorobutadiene        | 11.17 | 225 | 304353  | 46.82 | ng | 97     |
| 35) Caprolactam                | 11.75 | 113 | 167729m | 43.40 | ng |        |
| 36) 4-Chloro-3-methylphenol    | 12.11 | 107 | 528941  | 50.41 | ng | # 74   |
| 37) 2-Methylnaphthalene        | 12.48 | 142 | 1214261 | 47.41 | ng | # 91   |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.85 | 216 | 575155  | 44.01 | ng | 98     |
| 40) Hexachlorocyclopentadiene  | 12.83 | 237 | 639593  | 92.97 | ng | 95     |
| 42) 2,4,6-Trichlorophenol      | 13.08 | 196 | 433448  | 50.65 | ng | 96     |

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|--------------------------------|-------|------|----------|--------|-------|----------|
| 43) 2,4,5-Trichlorophenol      | 13.16 | 196  | 471086   | 49.80  | nq    | # 91     |
| 45) 1,1'-Biphenyl              | 13.48 | 154  | 1555254  | 43.23  | nq    | 97       |
| 46) 2-Chloronaphthalene        | 13.52 | 162  | 1182762  | 45.02  | nq    | 96       |
| 47) 2-Nitroaniline             | 13.72 | 65   | 297691   | 39.84  | nq    | # 53     |
| 48) Acenaphthylene             | 14.37 | 152  | 1949461  | 42.56  | nq    | 99       |
| 49) Dimethylphthalate          | 14.09 | 163  | 1579065  | 48.16  | nq    | 99       |
| 50) 2,6-Dinitrotoluene         | 14.22 | 165  | 382617   | 50.00  | nq    | # 57     |
| 51) Acenaphthene               | 14.70 | 154  | 1234388  | 43.77  | nq    | 97       |
| 52) 3-Nitroaniline             | 14.55 | 138  | 78935    | 9.37   | nq    | # 66     |
| 53) 2,4-Dinitrophenol          | 14.76 | 184  | 472246   | 106.38 | nq    | # 73     |
| 54) Dibenzofuran               | 15.04 | 168  | 1923317  | 48.43  | nq    | 90       |
| 55) 4-Nitrophenol              | 14.86 | 139  | 630645   | 91.40  | nq    | # 38     |
| 56) 2,4-Dinitrotoluene         | 15.00 | 165  | 548826   | 50.99  | nq    | # 66     |
| 57) Fluorene                   | 15.69 | 166  | 1596155  | 45.17  | nq    | 100      |
| 58) 2,3,4,6-Tetrachlorophenol  | 15.26 | 232  | 453170   | 54.93  | nq    | # 94     |
| 59) Diethylphthalate           | 15.45 | 149  | 1595442  | 47.61  | nq    | 98       |
| 60) 4-Chlorophenyl-phenylether | 15.67 | 204  | 795944   | 47.53  | nq    | # 87     |
| 61) 4-Nitroaniline             | 15.70 | 138  | 333873   | 37.46  | nq    | # 51     |
| 62) Azobenzene                 | 15.96 | 77   | 1236072  | 45.37  | nq    | 78       |
| 64) 4,6-Dinitro-2-methylphenol | 15.77 | 198  | 350589   | 51.51  | nq    | 83       |
| 65) n-Nitrosodiphenylamine     | 15.89 | 169  | 1387531  | 43.79  | nq    | 97       |
| 66) 4-Bromophenyl-phenylether  | 16.56 | 248  | 544963   | 49.04  | nq    | 94       |
| 67) Hexachlorobenzene          | 16.69 | 284  | 579562   | 48.89  | nq    | 90       |
| 68) Atrazine                   | 16.83 | 200  | 322454   | 26.88  | nq    | 97       |
| 69) Pentachlorophenol          | 17.03 | 266  | 725895   | 94.18  | nq    | 98       |
| 70) Phenanthrene               | 17.42 | 178  | 2524285  | 43.54  | nq    | 98       |
| 71) Anthracene                 | 17.51 | 178  | 2596906  | 43.90  | nq    | 97       |
| 72) Carbazole                  | 17.77 | 167  | 2396931  | 39.35  | nq    | 97       |
| 73) Di-n-butylphthalate        | 18.32 | 149  | 2737993  | 43.76  | nq    | # 96     |
| 74) Fluoranthene               | 19.42 | 202  | 2978176  | 43.68  | nq    | 95       |
| 76) Benzidine                  | 19.62 | 184  | 124113   | 2.97   | nq    | 96       |
| 77) Pyrene                     | 19.78 | 202  | 3008208  | 42.85  | nq    | 96       |
| 79) Butylbenzylphthalate       | 20.65 | 149  | 1319155  | 46.97  | nq    | # 84     |
| 80) Benzo(a)anthracene         | 21.60 | 228  | 2962898  | 43.43  | nq    | 98       |
| 81) 3,3'-Dichlorobenzidine     | 21.51 | 252  | 166902   | 5.98   | nq    | # 94     |
| 82) Chrysene                   | 21.67 | 228  | 2761868  | 42.37  | nq    | 97       |
| 83) Bis(2-ethylhexyl)phthalate | 21.50 | 149  | 1866334  | 44.00  | nq    | 95       |
| 84) Di-n-octyl phthalate       | 22.68 | 149  | 3132287  | 43.27  | nq    | # 81     |
| 85) Indeno(1,2,3-cd)pyrene     | 28.42 | 276  | 3849062  | 47.83  | nq    | # 87     |
| 87) Benzo(b)fluoranthene       | 23.79 | 252  | 3201005  | 45.45  | nq    | # 95     |
| 88) Benzo(k)fluoranthene       | 23.86 | 252  | 3164876  | 46.34  | nq    | # 96     |
| 89) Benzo(a)pyrene             | 24.65 | 252  | 3103086  | 45.94  | nq    | # 96     |
| 90) Dibenzo(a,h)anthracene     | 28.47 | 278  | 3266840  | 47.85  | nq    | # 92     |
| 91) Benzo(g,h,i)perylene       | 29.55 | 276  | 3132628  | 45.54  | nq    | # 88     |

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

