

Data Path : Z:\HPCHEM1\BNA F\DATA\BF021215\  
 Data File : BF077290.D  
 Acq On : 12 Feb 2015 17:40  
 Operator : TP/IZ  
 Sample : SSTDICC080  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDICC080

Manual Integrations  
 APPROVED

mohammad  
 2/13/2015 5:40:13 PM

Quant Time: Feb 13 03:19:46 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF021215.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Feb 13 01:12:14 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.49  | 152  | 26299    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.42 | 136  | 115423   | 20.00 | ng    | 0.01     |
| 38) Acenaphthene-d10      | 14.53 | 164  | 63225    | 20.00 | ng    | 0.01     |
| 63) Phenanthrene-d10      | 17.44 | 188  | 99421    | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 20.96 | 240  | 92834    | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 22.58 | 264  | 83545    | 20.00 | ng    | -0.06    |

## System Monitoring Compounds

|                          |       |     |        |        |    |      |
|--------------------------|-------|-----|--------|--------|----|------|
| 5) 2-Fluorophenol        | 4.49  | 112 | 262187 | 163.76 | ng | 0.00 |
| 7) Phenol-d6             | 6.94  | 99  | 334188 | 165.29 | ng | 0.01 |
| 23) Nitrobenzene-d5      | 8.82  | 82  | 332821 | 160.27 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.31 | 330 | 83500  | 162.98 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 13.07 | 172 | 638647 | 153.49 | ng | 0.00 |
| 78) Terphenyl-d14        | 19.70 | 244 | 665671 | 165.70 | ng | 0.00 |

## Target Compounds

|                                |       |     |        |        |    | Qvalue |
|--------------------------------|-------|-----|--------|--------|----|--------|
| 2) 1,4-Dioxane                 | 1.00  | 88  | 46440  | 68.63  | ng | 98     |
| 3) Pyridine                    | 1.40  | 79  | 141271 | 83.17  | ng | 97     |
| 4) n-Nitrosodimethylamine      | 1.38  | 42  | 63454  | 71.64  | ng | 99     |
| 6) Aniline                     | 6.78  | 93  | 219689 | 79.01  | ng | 94     |
| 8) 2-Chlorophenol              | 7.02  | 128 | 149493 | 80.72  | ng | 96     |
| 9) Benzaldehyde                | 6.50  | 77  | 83927  | 69.26  | ng | 96     |
| 10) Phenol                     | 6.97  | 94  | 170654 | 79.49  | ng | 96     |
| 11) bis(2-Chloroethyl)ether    | 7.06  | 93  | 135346 | 79.92  | ng | 91     |
| 12) 1,3-Dichlorobenzene        | 7.34  | 146 | 167049 | 79.80  | ng | 96     |
| 13) 1,4-Dichlorobenzene        | 7.54  | 146 | 169144 | 76.58  | ng | 98     |
| 14) 1,2-Dichlorobenzene        | 7.85  | 146 | 163557 | 80.06  | ng | 99     |
| 15) Benzyl Alcohol             | 7.96  | 79  | 139589 | 85.62  | ng | 95     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.30  | 45  | 186610 | 82.51  | ng | 95     |
| 17) 2-Methylphenol             | 8.33  | 107 | 116141 | 77.45  | ng | 98     |
| 18) Hexachloroethane           | 8.59  | 117 | 63018  | 81.36  | ng | 98     |
| 19) n-Nitroso-di-n-propylamine | 8.60  | 70  | 113237 | 80.36  | ng | 97     |
| 20) 3+4-Methylphenols          | 8.72  | 107 | 148173 | 74.71  | ng | 97     |
| 22) Acetophenone               | 8.51  | 105 | 230585 | 81.70  | ng | 96     |
| 24) Nitrobenzene               | 8.86  | 77  | 162047 | 76.89  | ng | 95     |
| 25) Isophorone                 | 9.47  | 82  | 297218 | 79.08  | ng | 97     |
| 26) 2-Nitrophenol              | 9.60  | 139 | 80631  | 82.45  | ng | 97     |
| 27) 2,4-Dimethylphenol         | 9.90  | 122 | 136323 | 83.43  | ng | 92     |
| 28) bis(2-Chloroethoxy)methane | 10.10 | 93  | 180262 | 83.42  | ng | 97     |
| 29) 2,4-Dichlorophenol         | 10.21 | 162 | 122246 | 79.45  | ng | 98     |
| 30) 1,2,4-Trichlorobenzene     | 10.33 | 180 | 133987 | 79.68  | ng | 99     |
| 31) Naphthalene                | 10.46 | 128 | 446902 | 76.23  | ng | 99     |
| 32) Benzoic acid               | 10.36 | 122 | 25666  | 32.08  | ng | # 81   |
| 33) 4-Chloroaniline            | 10.73 | 127 | 186746 | 78.12  | ng | 99     |
| 34) Hexachlorobutadiene        | 10.83 | 225 | 77732  | 78.75  | ng | 99     |
| 35) Caprolactam                | 11.65 | 113 | 36409m | 81.84  | ng |        |
| 36) 4-Chloro-3-methylphenol    | 12.05 | 107 | 138957 | 79.66  | ng | 95     |
| 37) 2-Methylnaphthalene        | 12.11 | 142 | 329265 | 81.08  | ng | 98     |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.52 | 216 | 123849 | 78.71  | ng | # 100  |
| 40) Hexachlorocyclopentadiene  | 12.50 | 237 | 64360  | 102.70 | ng | 98     |

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|--------------------------------|-------|------|----------|--------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 12.88 | 196  | 83186    | 74.60  | ng    | 98       |
| 43) 2,4,5-Trichlorophenol      | 12.98 | 196  | 82261    | 71.56  | ng    | 92       |
| 45) 1,1'-Biphenyl              | 13.27 | 154  | 376893   | 80.25  | ng    | 99       |
| 46) 2-Chloronaphthalene        | 13.24 | 162  | 296472   | 76.88  | ng    | 99       |
| 47) 2-Nitroaniline             | 13.60 | 65   | 96736    | 82.73  | ng    | 98       |
| 48) Acenaphthylene             | 14.18 | 152  | 473912   | 73.68  | ng    | 99       |
| 49) Dimethylphthalate          | 14.17 | 163  | 348876   | 77.55  | ng    | 100      |
| 50) 2,6-Dinitrotoluene         | 14.26 | 165  | 75126    | 84.60  | ng    | # 80     |
| 51) Acenaphthene               | 14.60 | 154  | 265663   | 72.50  | ng    | 97       |
| 52) 3-Nitroaniline             | 14.60 | 138  | 85094    | 79.68  | ng    | 95       |
| 53) 2,4-Dinitrophenol          | 14.89 | 184  | 26408    | 92.59  | ng    | # 79     |
| 54) Dibenzofuran               | 15.04 | 168  | 421198   | 78.22  | ng    | 95       |
| 55) 4-Nitrophenol              | 15.23 | 139  | 47460    | 69.87  | ng    | 92       |
| 56) 2,4-Dinitrotoluene         | 15.19 | 165  | 99010    | 81.85  | ng    | 93       |
| 57) Fluorene                   | 15.81 | 166  | 338226   | 74.43  | ng    | 97       |
| 58) 2,3,4,6-Tetrachlorophenol  | 15.40 | 232  | 62682    | 74.67  | ng    | # 100    |
| 59) Diethylphthalate           | 15.84 | 149  | 366671   | 80.20  | ng    | 98       |
| 60) 4-Chlorophenyl-phenylether | 15.92 | 204  | 146254   | 78.44  | ng    | 97       |
| 61) 4-Nitroaniline             | 16.00 | 138  | 78714    | 76.43  | ng    | 96       |
| 62) Azobenzene                 | 16.21 | 77   | 336405m  | 72.03  | ng    |          |
| 64) 4,6-Dinitro-2-methylphenol | 16.07 | 198  | 50655    | 100.81 | ng    | 92       |
| 65) n-Nitrosodiphenylamine     | 16.18 | 169  | 282586   | 80.30  | ng    | 98       |
| 66) 4-Bromophenyl-phenylether  | 16.80 | 248  | 83436    | 83.09  | ng    | 93       |
| 67) Hexachlorobenzene          | 16.81 | 284  | 84910    | 80.11  | ng    | 93       |
| 68) Atrazine                   | 17.21 | 200  | 90336    | 85.47  | ng    | 91       |
| 69) Pentachlorophenol          | 17.20 | 266  | 27251    | 72.19  | ng    | 94       |
| 70) Phenanthrene               | 17.47 | 178  | 472244   | 76.67  | ng    | 99       |
| 71) Anthracene                 | 17.55 | 178  | 470881   | 77.86  | ng    | 99       |
| 72) Carbazole                  | 17.85 | 167  | 456552   | 78.36  | ng    | 99       |
| 73) Di-n-butylphthalate        | 18.45 | 149  | 603030   | 88.38  | ng    | 100      |
| 74) Fluoranthene               | 19.13 | 202  | 479542   | 76.38  | ng    | 99       |
| 76) Benzidine                  | 19.38 | 184  | 221732   | 72.78  | ng    | 96       |
| 77) Pyrene                     | 19.41 | 202  | 482569   | 77.20  | ng    | 99       |
| 79) Butylbenzylphthalate       | 20.36 | 149  | 261740   | 90.66  | ng    | 100      |
| 80) Benzo(a)anthracene         | 20.95 | 228  | 464727   | 80.47  | ng    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 20.96 | 252  | 154373   | 82.31  | ng    | 98       |
| 82) Chrysene                   | 20.99 | 228  | 405914   | 77.71  | ng    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 21.11 | 149  | 376866   | 92.99  | ng    | 97       |
| 84) Di-n-octyl phthalate       | 21.87 | 149  | 662563   | 94.10  | ng    | 98       |
| 85) Indeno(1,2,3-cd)pyrene     | 23.63 | 276  | 424475m  | 77.16  | ng    |          |
| 87) Benzo(b)fluoranthene       | 22.18 | 252  | 411086   | 73.00  | ng    | 99       |
| 88) Benzo(k)fluoranthene       | 22.21 | 252  | 411643m  | 84.76  | ng    |          |
| 89) Benzo(a)pyrene             | 22.52 | 252  | 393160   | 79.56  | ng    | 97       |
| 90) Dibenzo(a,h)anthracene     | 23.64 | 278  | 348788m  | 77.59  | ng    |          |
| 91) Benzo(g,h,i)perylene       | 23.88 | 276  | 346626m  | 77.60  | ng    |          |

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

