

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF032117\  
 Data File : BF093792.D  
 Acq On : 21 Mar 2017 12:12  
 Operator : SJ/MA  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040

Quant Time: Mar 21 14:41:07 2017  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF032017.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Mar 21 14:38:20 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.82  | 152  | 193268   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.12  | 136  | 818797   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 9.86  | 164  | 369453   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.34 | 188  | 640233   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 13.97 | 240  | 429017   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.37 | 264  | 411252   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |       |    |      |
|--------------------------|-------|-----|---------|-------|----|------|
| 5) 2-Fluorophenol        | 5.42  | 112 | 870013  | 78.72 | ng | 0.00 |
| 7) Phenol-d6             | 6.46  | 99  | 1099669 | 80.52 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 7.40  | 82  | 1190319 | 82.47 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.65 | 330 | 247327  | 86.43 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 9.19  | 172 | 1663180 | 75.70 | ng | 0.00 |
| 78) Terphenyl-d14        | 12.93 | 244 | 1691037 | 80.37 | ng | 0.00 |

## Target Compounds

|                                |      |     |         |       |    | Qvalue |
|--------------------------------|------|-----|---------|-------|----|--------|
| 2) 1,4-Dioxane                 | 2.41 | 88  | 234244  | 41.83 | ng | 98     |
| 3) Pyridine                    | 3.11 | 79  | 670769  | 44.71 | ng | 99     |
| 4) n-Nitrosodimethylamine      | 3.05 | 42  | 263433  | 40.71 | ng | 93     |
| 6) Aniline                     | 6.48 | 93  | 810077  | 42.42 | ng | 96     |
| 8) 2-Chlorophenol              | 6.61 | 128 | 497562  | 40.93 | ng | 95     |
| 9) Benzaldehyde                | 6.37 | 77  | 384569  | 39.84 | ng | 96     |
| 10) Phenol                     | 6.47 | 94  | 618607  | 40.30 | ng | 99     |
| 11) bis(2-Chloroethyl)ether    | 6.56 | 93  | 474159  | 38.04 | ng | 96     |
| 12) 1,3-Dichlorobenzene        | 6.77 | 146 | 547327  | 39.70 | ng | 98     |
| 13) 1,4-Dichlorobenzene        | 6.85 | 146 | 598819  | 42.57 | ng | 97     |
| 14) 1,2-Dichlorobenzene        | 7.01 | 146 | 504081m | 39.07 | ng |        |
| 15) Benzyl Alcohol             | 6.97 | 79  | 450214  | 44.49 | ng | 94     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.11 | 45  | 795813  | 40.16 | ng | 100    |
| 17) 2-Methylphenol             | 7.09 | 107 | 454074  | 42.56 | ng | 97     |
| 18) Hexachloroethane           | 7.35 | 117 | 210082  | 42.13 | ng | 93     |
| 19) n-Nitroso-di-n-propylamine | 7.25 | 70  | 336965  | 37.66 | ng | 97     |
| 20) 3+4-Methylphenols          | 7.24 | 107 | 503922  | 39.90 | ng | 97     |
| 22) Acetophenone               | 7.24 | 105 | 653516  | 36.86 | ng | 99     |
| 24) Nitrobenzene               | 7.41 | 77  | 494872  | 35.89 | ng | 98     |
| 25) Isophorone                 | 7.66 | 82  | 995859  | 38.95 | ng | # 92   |
| 26) 2-Nitrophenol              | 7.73 | 139 | 270273  | 43.34 | ng | 94     |
| 27) 2,4-Dimethylphenol         | 7.77 | 122 | 507788  | 39.59 | ng | 97     |
| 28) bis(2-Chloroethoxy)methane | 7.86 | 93  | 589497  | 35.83 | ng | 100    |
| 29) 2,4-Dichlorophenol         | 7.97 | 162 | 422260  | 38.68 | ng | 97     |
| 30) 1,2,4-Trichlorobenzene     | 8.06 | 180 | 448671  | 39.58 | ng | 99     |
| 31) Naphthalene                | 8.14 | 128 | 1574677 | 41.43 | ng | 99     |
| 32) Benzoic acid               | 7.89 | 122 | 321177  | 40.27 | ng | 96     |
| 33) 4-Chloroaniline            | 8.18 | 127 | 665943  | 40.77 | ng | # 92   |
| 34) Hexachlorobutadiene        | 8.26 | 225 | 233504  | 39.16 | ng | 98     |
| 35) Caprolactam                | 8.55 | 113 | 135748  | 39.61 | ng | 96     |
| 36) 4-Chloro-3-methylphenol    | 8.66 | 107 | 463130  | 40.94 | ng | 88     |
| 37) 2-Methylnaphthalene        | 8.82 | 142 | 935848  | 37.72 | ng | 99     |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.00 | 216 | 398940  | 40.77 | ng | 99     |
| 40) Hexachlorocyclopentadiene  | 8.98 | 237 | 185122  | 37.50 | ng | 98     |

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| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 9.10  | 196  | 282014   | 39.70 | ng    | 97       |
| 43) 2,4,5-Trichlorophenol      | 9.14  | 196  | 308065   | 41.78 | ng #  | 83       |
| 45) 1,1'-Biphenyl              | 9.29  | 154  | 1200770  | 39.99 | ng    | 98       |
| 46) 2-Chloronaphthalene        | 9.32  | 162  | 949003   | 41.22 | ng    | 97       |
| 47) 2-Nitroaniline             | 9.41  | 65   | 291388   | 45.32 | ng #  | 60       |
| 48) Acenaphthylene             | 9.73  | 152  | 1500895  | 40.06 | ng    | 100      |
| 49) Dimethylphthalate          | 9.59  | 163  | 968685   | 36.84 | ng    | 99       |
| 50) 2,6-Dinitrotoluene         | 9.65  | 165  | 238219   | 41.27 | ng #  | 87       |
| 51) Acenaphthene               | 9.90  | 154  | 876181   | 39.15 | ng    | 99       |
| 52) 3-Nitroaniline             | 9.81  | 138  | 281882   | 40.68 | ng    | 99       |
| 53) 2,4-Dinitrophenol          | 9.91  | 184  | 97220    | 42.91 | ng #  | 59       |
| 54) Dibenzofuran               | 10.07 | 168  | 1222771  | 40.60 | ng    | 99       |
| 55) 4-Nitrophenol              | 9.97  | 139  | 237113   | 45.56 | ng #  | 68       |
| 56) 2,4-Dinitrotoluene         | 10.05 | 165  | 324340   | 44.26 | ng #  | 86       |
| 57) Fluorene                   | 10.41 | 166  | 956790   | 41.49 | ng    | 99       |
| 58) 2,3,4,6-Tetrachlorophenol  | 10.18 | 232  | 207661   | 41.00 | ng    | 98       |
| 59) Diethylphthalate           | 10.29 | 149  | 1010960  | 39.45 | ng    | 99       |
| 60) 4-Chlorophenyl-phenylether | 10.40 | 204  | 381401   | 39.24 | ng    | 99       |
| 61) 4-Nitroaniline             | 10.42 | 138  | 288076   | 46.48 | ng    | 98       |
| 62) Azobenzene                 | 10.56 | 77   | 910530   | 35.93 | ng    | 99       |
| 64) 4,6-Dinitro-2-methylphenol | 10.46 | 198  | 171606   | 46.27 | ng #  | 46       |
| 65) n-Nitrosodiphenylamine     | 10.53 | 169  | 883739   | 41.41 | ng    | 100      |
| 66) 4-Bromophenyl-phenylether  | 10.89 | 248  | 251009   | 40.73 | ng    | 98       |
| 67) Hexachlorobenzene          | 10.96 | 284  | 262892   | 41.37 | ng #  | 93       |
| 68) Atrazine                   | 11.05 | 200  | 287107   | 43.82 | ng    | 98       |
| 69) Pentachlorophenol          | 11.15 | 266  | 157459   | 42.37 | ng    | 99       |
| 70) Phenanthrene               | 11.36 | 178  | 1337920  | 39.24 | ng    | 99       |
| 71) Anthracene                 | 11.42 | 178  | 1451596  | 41.35 | ng    | 99       |
| 72) Carbazole                  | 11.57 | 167  | 1334429  | 38.39 | ng    | 100      |
| 73) Di-n-butylphthalate        | 11.91 | 149  | 1501966  | 40.15 | ng    | 100      |
| 74) Fluoranthene               | 12.55 | 202  | 1480436  | 42.24 | ng    | 98       |
| 76) Benzidine                  | 12.67 | 184  | 794487   | 42.21 | ng    | 96       |
| 77) Pyrene                     | 12.78 | 202  | 1572984  | 44.06 | ng    | 100      |
| 79) Butylbenzylphthalate       | 13.40 | 149  | 662479   | 41.52 | ng #  | 71       |
| 80) Benzo(a)anthracene         | 13.96 | 228  | 1126799  | 41.93 | ng    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 13.92 | 252  | 434831   | 42.94 | ng    | 99       |
| 82) Chrysene                   | 14.00 | 228  | 1175686  | 43.79 | ng    | 100      |
| 83) Bis(2-ethylhexyl)phthalate | 13.97 | 149  | 793248   | 41.27 | ng #  | 98       |
| 84) Di-n-octyl phthalate       | 14.57 | 149  | 1446985  | 41.26 | ng    | 100      |
| 85) Indeno(1,2,3-cd)pyrene     | 16.73 | 276  | 856605   | 38.96 | ng    | 99       |
| 87) Benzo(b)fluoranthene       | 14.97 | 252  | 1258006m | 45.38 | ng    |          |
| 88) Benzo(k)fluoranthene       | 15.01 | 252  | 717700m  | 35.06 | ng    |          |
| 89) Benzo(a)pyrene             | 15.32 | 252  | 904130   | 40.22 | ng    | 98       |
| 90) Dibenzo(a,h)anthracene     | 16.76 | 278  | 742038   | 39.75 | ng    | 97       |
| 91) Benzo(g,h,i)perylene       | 17.15 | 276  | 724114   | 39.08 | ng    | 95       |

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

```
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ALS Vial  : 2      Sample Multiplier: 1
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