

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF092415\  
 Data File : BF081775.D  
 Acq On : 24 Sep 2015 20:58  
 Operator : UM/IZ  
 Sample : SSTDICC080  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDICC080

Manual Integrations  
 APPROVED

MMDadoda  
 9/25/2015 3:36:40 PM

Quant Time: Sep 25 03:46:38 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF092415.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Sep 25 02:42:50 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.95  | 152  | 128904   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.24  | 136  | 512648   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 10.00 | 164  | 256665   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.47 | 188  | 481310   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 14.13 | 240  | 317878   | 20.00 | ng    | 0.01     |
| 86) Perylene-d12          | 15.58 | 264  | 276955   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.54  | 112 | 1030690 | 124.70 | ng | 0.00 |
| 7) Phenol-d6             | 6.58  | 99  | 1393442 | 129.81 | ng | 0.01 |
| 23) Nitrobenzene-d5      | 7.53  | 82  | 1305064 | 128.88 | ng | 0.01 |
| 41) 2,4,6-Tribromophenol | 10.79 | 330 | 345778  | 153.29 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 9.33  | 172 | 2268543 | 119.31 | ng | 0.01 |
| 78) Terphenyl-d14        | 13.08 | 244 | 2257100 | 165.08 | ng | 0.01 |

## Target Compounds

|                                |      |     |         |       |    | Qvalue |
|--------------------------------|------|-----|---------|-------|----|--------|
| 2) 1,4-Dioxane                 | 2.61 | 88  | 290160  | 78.07 | ng | # 100  |
| 3) Pyridine                    | 3.37 | 79  | 840519  | 84.26 | ng | 98     |
| 4) n-Nitrosodimethylamine      | 3.35 | 42  | 393903  | 71.19 | ng | 99     |
| 6) Aniline                     | 6.63 | 93  | 1086800 | 71.21 | ng | 99     |
| 8) 2-Chlorophenol              | 6.74 | 128 | 643650  | 71.48 | ng | 90     |
| 9) Benzaldehyde                | 6.50 | 77  | 346568  | 51.98 | ng | 96     |
| 10) Phenol                     | 6.59 | 94  | 865163  | 69.78 | ng | 96     |
| 11) bis(2-Chloroethyl)ether    | 6.70 | 93  | 661294  | 73.55 | ng | 95     |
| 12) 1,3-Dichlorobenzene        | 6.89 | 146 | 692929  | 70.93 | ng | 96     |
| 13) 1,4-Dichlorobenzene        | 6.97 | 146 | 691073  | 69.22 | ng | 98     |
| 14) 1,2-Dichlorobenzene        | 7.13 | 146 | 695056  | 78.25 | ng | 94     |
| 15) Benzyl Alcohol             | 7.10 | 79  | 523784  | 60.44 | ng | 98     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.23 | 45  | 1007066 | 58.46 | ng | 99     |
| 17) 2-Methylphenol             | 7.20 | 107 | 536658  | 74.30 | ng | 97     |
| 18) Hexachloroethane           | 7.46 | 117 | 251869  | 67.07 | ng | 98     |
| 19) n-Nitroso-di-n-propylamine | 7.38 | 70  | 494744  | 66.92 | ng | 99     |
| 20) 3+4-Methylphenols          | 7.36 | 107 | 595446  | 61.82 | ng | # 87   |
| 22) Acetophenone               | 7.37 | 105 | 739317  | 55.43 | ng | # 96   |
| 24) Nitrobenzene               | 7.54 | 77  | 616728  | 57.99 | ng | # 84   |
| 25) Isophorone                 | 7.79 | 82  | 1343231 | 69.69 | ng | 96     |
| 26) 2-Nitrophenol              | 7.86 | 139 | 316009  | 69.05 | ng | # 73   |
| 27) 2,4-Dimethylphenol         | 7.90 | 122 | 643340  | 80.14 | ng | 97     |
| 28) bis(2-Chloroethoxy)methane | 8.00 | 93  | 807619  | 73.46 | ng | # 97   |
| 29) 2,4-Dichlorophenol         | 8.09 | 162 | 576282  | 80.18 | ng | 94     |
| 30) 1,2,4-Trichlorobenzene     | 8.18 | 180 | 593420  | 76.28 | ng | 97     |
| 31) Naphthalene                | 8.26 | 128 | 1584222 | 59.56 | ng | 99     |
| 32) Benzoic acid               | 8.01 | 122 | 239144  | 48.70 | ng | 95     |
| 33) 4-Chloroaniline            | 8.31 | 127 | 777892  | 72.61 | ng | 97     |
| 34) Hexachlorobutadiene        | 8.38 | 225 | 333930  | 70.39 | ng | 99     |
| 35) Caprolactam                | 8.71 | 113 | 158944  | 73.47 | ng | 99     |
| 36) 4-Chloro-3-methylphenol    | 8.79 | 107 | 520424  | 66.72 | ng | 98     |
| 37) 2-Methylnaphthalene        | 8.96 | 142 | 1236133 | 70.99 | ng | 97     |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.12 | 216 | 558118  | 69.51 | ng | # 100  |
| 40) Hexachlorocyclopentadiene  | 9.11 | 237 | 334511  | 85.96 | ng | 96     |

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|--------------------------------|-------|------|----------|--------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 9.23  | 196  | 423962   | 76.26  | ng    | 97       |
| 43) 2,4,5-Trichlorophenol      | 9.27  | 196  | 437934   | 78.48  | ng #  | 91       |
| 45) 1,1'-Biphenyl              | 9.42  | 154  | 1291047  | 55.17  | ng    | 97       |
| 46) 2-Chloronaphthalene        | 9.45  | 162  | 1188241  | 71.75  | ng    | 94       |
| 47) 2-Nitroaniline             | 9.54  | 65   | 408136   | 63.21  | ng    | 87       |
| 48) Acenaphthylene             | 9.86  | 152  | 1739627  | 58.27  | ng    | 96       |
| 49) Dimethylphthalate          | 9.73  | 163  | 1289007  | 65.89  | ng    | 100      |
| 50) 2,6-Dinitrotoluene         | 9.78  | 165  | 273086   | 62.17  | ng #  | 45       |
| 51) Acenaphthene               | 10.03 | 154  | 1028009  | 60.41  | ng    | 99       |
| 52) 3-Nitroaniline             | 9.95  | 138  | 309181   | 62.28  | ng    | 95       |
| 53) 2,4-Dinitrophenol          | 10.06 | 184  | 58324    | 35.83  | ng #  | 77       |
| 54) Dibenzofuran               | 10.21 | 168  | 1522264  | 61.53  | ng    | 99       |
| 55) 4-Nitrophenol              | 10.10 | 139  | 275384   | 87.42  | ng    | 92       |
| 56) 2,4-Dinitrotoluene         | 10.18 | 165  | 372273   | 66.49  | ng #  | 47       |
| 57) Fluorene                   | 10.55 | 166  | 1181912  | 64.48  | ng    | 99       |
| 58) 2,3,4,6-Tetrachlorophenol  | 10.32 | 232  | 355603   | 82.11  | ng #  | 100      |
| 59) Diethylphthalate           | 10.42 | 149  | 1379867  | 67.89  | ng    | 98       |
| 60) 4-Chlorophenyl-phenylether | 10.54 | 204  | 528369   | 60.32  | ng #  | 87       |
| 61) 4-Nitroaniline             | 10.57 | 138  | 365759   | 71.64  | ng    | 99       |
| 62) Azobenzene                 | 10.70 | 77   | 1316114  | 59.25  | ng    | 91       |
| 64) 4,6-Dinitro-2-methylphenol | 10.59 | 198  | 125748   | 53.76  | ng    | 90       |
| 65) n-Nitrosodiphenylamine     | 10.66 | 169  | 1168472  | 68.35  | ng    | 99       |
| 66) 4-Bromophenyl-phenylether  | 11.03 | 248  | 368722   | 73.54  | ng #  | 84       |
| 67) Hexachlorobenzene          | 11.09 | 284  | 394350   | 75.69  | ng #  | 85       |
| 68) Atrazine                   | 11.19 | 200  | 368657   | 72.76  | ng    | 95       |
| 69) Pentachlorophenol          | 11.28 | 266  | 251166   | 120.46 | ng    | 98       |
| 70) Phenanthrene               | 11.51 | 178  | 1696062  | 63.97  | ng    | 97       |
| 71) Anthracene                 | 11.57 | 178  | 1881043  | 69.21  | ng    | 99       |
| 72) Carbazole                  | 11.72 | 167  | 1626761  | 63.58  | ng    | 98       |
| 73) Di-n-butylphthalate        | 12.05 | 149  | 2221629  | 73.52  | ng    | 99       |
| 74) Fluoranthene               | 12.70 | 202  | 1933640  | 67.64  | ng    | 94       |
| 76) Benzidine                  | 12.81 | 184  | 752404   | 56.50  | ng    | 96       |
| 77) Pyrene                     | 12.93 | 202  | 1857789  | 80.19  | ng    | 98       |
| 79) Butylbenzylphthalate       | 13.54 | 149  | 904232   | 89.04  | ng #  | 78       |
| 80) Benzo(a)anthracene         | 14.12 | 228  | 1517292  | 76.57  | ng    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 14.08 | 252  | 521381   | 76.92  | ng #  | 96       |
| 82) Chrysene                   | 14.15 | 228  | 1386555  | 75.37  | ng    | 98       |
| 83) Bis(2-ethylhexyl)phthalate | 14.09 | 149  | 970968   | 72.29  | ng    | 100      |
| 84) Di-n-octyl phthalate       | 14.71 | 149  | 1516675  | 69.70  | ng #  | 100      |
| 85) Indeno(1,2,3-cd)pyrene     | 17.06 | 276  | 1544279  | 112.89 | ng #  | 100      |
| 87) Benzo(b)fluoranthene       | 15.16 | 252  | 1161419m | 62.35  | ng    |          |
| 88) Benzo(k)fluoranthene       | 15.19 | 252  | 1152351m | 69.82  | ng    |          |
| 89) Benzo(a)pyrene             | 15.52 | 252  | 1130139  | 68.49  | ng #  | 96       |
| 90) Dibenzo(a,h)anthracene     | 17.09 | 278  | 1228644  | 93.64  | ng #  | 96       |
| 91) Benzo(g,h,i)perylene       | 17.51 | 276  | 1305781  | 102.50 | ng    | 98       |

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

