

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP050420\  
 Data File : BP002226.D  
 Acq On : 04 May 2020 16:07  
 Operator : CG/JU  
 Sample : SSTDICC020  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SSTDICC020

Quant Time: May 04 17:22:26 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP050420.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon May 04 17:20:05 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.62  | 152  | 189792   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.39 | 136  | 853647   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 14.26 | 164  | 555201   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 17.01 | 188  | 1246691  | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 21.12 | 240  | 1341808  | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 23.32 | 264  | 1452284  | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |       |    |      |
|--------------------------|-------|-----|---------|-------|----|------|
| 5) 2-Fluorophenol        | 5.23  | 112 | 472796  | 44.25 | ng | 0.00 |
| 7) Phenol-d6             | 6.79  | 99  | 710514  | 51.73 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 8.76  | 82  | 655510  | 51.21 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.75 | 330 | 243296  | 37.01 | ng | 0.00 |
| 45) 2-Fluorobiphenyl     | 12.88 | 172 | 1642946 | 42.79 | ng | 0.00 |
| 79) Terphenyl-d14        | 19.60 | 244 | 2579008 | 41.98 | ng | 0.00 |

## Target Compounds

|                                |       |     |        |        |    | Qvalue |
|--------------------------------|-------|-----|--------|--------|----|--------|
| 2) 1,4-Dioxane                 | 3.19  | 88  | 104393 | 24.115 | ng | 100    |
| 3) Pyridine                    | 3.57  | 79  | 317070 | 25.909 | ng | 98     |
| 4) n-Nitrosodimethylamine      | 3.49  | 42  | 116627 | 37.571 | ng | 96     |
| 6) Aniline                     | 6.95  | 93  | 476076 | 28.103 | ng | 97     |
| 8) 2-Chlorophenol              | 7.18  | 128 | 272523 | 21.403 | ng | 97     |
| 9) Benzaldehyde                | 6.76  | 77  | 210984 | 25.211 | ng | 98     |
| 10) Phenol                     | 6.82  | 94  | 371421 | 26.190 | ng | 100    |
| 11) bis(2-Chloroethyl)ether    | 7.05  | 93  | 311897 | 25.517 | ng | 97     |
| 12) 1,3-Dichlorobenzene        | 7.51  | 146 | 308032 | 20.860 | ng | 97     |
| 13) 1,4-Dichlorobenzene        | 7.65  | 146 | 309309 | 20.800 | ng | 97     |
| 14) 1,2-Dichlorobenzene        | 7.96  | 146 | 310082 | 21.522 | ng | 99     |
| 15) Benzyl Alcohol             | 7.85  | 79  | 260068 | 33.254 | ng | 96     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.16  | 45  | 441460 | 46.419 | ng | 100    |
| 17) 2-Methylphenol             | 8.06  | 107 | 272645 | 24.802 | ng | 99     |
| 18) Hexachloroethane           | 8.69  | 117 | 109108 | 20.702 | ng | 98     |
| 19) n-Nitroso-di-n-propylamine | 8.42  | 70  | 253462 | 37.448 | ng | 98     |
| 20) 3+4-Methylphenols          | 8.38  | 107 | 378967 | 25.611 | ng | 97     |
| 22) Acetophenone               | 8.43  | 105 | 467260 | 23.921 | ng | 99     |
| 24) Nitrobenzene               | 8.80  | 77  | 351212 | 26.007 | ng | 99     |
| 25) Isophorone                 | 9.32  | 82  | 748523 | 27.305 | ng | 99     |
| 26) 2-Nitrophenol              | 9.50  | 139 | 116326 | 19.674 | ng | 99     |
| 27) 2,4-Dimethylphenol         | 9.58  | 122 | 258749 | 21.976 | ng | 96     |
| 28) bis(2-Chloroethoxy)methane | 9.82  | 93  | 434395 | 26.455 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 10.04 | 162 | 270258 | 20.828 | ng | 98     |
| 30) 1,2,4-Trichlorobenzene     | 10.26 | 180 | 306579 | 20.794 | ng | 93     |
| 31) Naphthalene                | 10.44 | 128 | 970367 | 20.746 | ng | 99     |
| 32) Benzoic acid               | 9.67  | 122 | 136367 | 23.600 | ng | 98     |
| 33) 4-Chloroaniline            | 10.55 | 127 | 439698 | 23.196 | ng | 100    |
| 34) Hexachlorobutadiene        | 10.75 | 225 | 174633 | 20.339 | ng | 98     |
| 35) Caprolactam                | 11.28 | 113 | 102639 | 36.395 | ng | 96     |
| 36) 4-Chloro-3-methylphenol    | 11.68 | 107 | 318849 | 24.567 | ng | 99     |
| 37) 2-Methylnaphthalene        | 12.06 | 142 | 693302 | 21.472 | ng | 97     |
| 38) 1-Methylnaphthalene        | 12.28 | 142 | 663352 | 21.579 | ng | 100    |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.43 | 216 | 336699 | 19.885 | ng | 98     |

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|--------------------------------|-------|------|----------|--------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 12.43 | 237  | 140665   | 17.252 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol      | 12.68 | 196  | 222482   | 20.073 | ng    | 95       |
| 44) 2,4,5-Trichlorophenol      | 12.75 | 196  | 265846   | 20.386 | ng    | 97       |
| 46) 1,1'-Biphenyl              | 13.09 | 154  | 917442   | 19.990 | ng    | 99       |
| 47) 2-Chloronaphthalene        | 13.12 | 162  | 709704   | 19.970 | ng    | 98       |
| 48) 2-Nitroaniline             | 13.32 | 65   | 179780   | 35.463 | ng    | 99       |
| 49) Acenaphthylene             | 13.97 | 152  | 1139953  | 19.819 | ng    | 99       |
| 50) Dimethylphthalate          | 13.72 | 163  | 911535   | 21.664 | ng    | 98       |
| 51) 2,6-Dinitrotoluene         | 13.83 | 165  | 173558   | 21.697 | ng    | 98       |
| 52) Acenaphthene               | 14.32 | 154  | 717428   | 20.084 | ng    | 96       |
| 53) 3-Nitroaniline             | 14.16 | 138  | 207602   | 23.007 | ng    | 95       |
| 54) 2,4-Dinitrophenol          | 14.36 | 184  | 61188    | 16.149 | ng    | 96       |
| 55) Dibenzofuran               | 14.66 | 168  | 1117189  | 20.891 | ng    | 99       |
| 56) 4-Nitrophenol              | 14.47 | 139  | 159611   | 20.149 | ng    | 98       |
| 57) 2,4-Dinitrotoluene         | 14.62 | 165  | 218362   | 20.502 | ng    | 99       |
| 58) Fluorene                   | 15.32 | 166  | 855426   | 21.045 | ng    | 98       |
| 59) 2,3,4,6-Tetrachlorophenol  | 14.89 | 232  | 215516   | 20.215 | ng    | 99       |
| 60) Diethylphthalate           | 15.10 | 149  | 934647   | 24.983 | ng    | 98       |
| 61) 4-Chlorophenyl-phenylether | 15.32 | 204  | 445900   | 22.954 | ng    | 99       |
| 62) 4-Nitroaniline             | 15.32 | 138  | 200342   | 24.909 | ng    | 99       |
| 63) Azobenzene                 | 15.61 | 77   | 991124   | 25.244 | ng    | 99       |
| 65) 4,6-Dinitro-2-methylphenol | 15.39 | 198  | 88630    | 17.017 | ng    | 97       |
| 66) n-Nitrosodiphenylamine     | 15.53 | 169  | 784887   | 21.068 | ng    | 97       |
| 67) 4-Bromophenyl-phenylether  | 16.22 | 248  | 276294   | 19.871 | ng    | 96       |
| 68) Hexachlorobenzene          | 16.33 | 284  | 292944   | 19.004 | ng    | 97       |
| 69) Atrazine                   | 16.49 | 200  | 238991   | 26.353 | ng    | 99       |
| 70) Pentachlorophenol          | 16.66 | 266  | 169199   | 17.907 | ng    | 96       |
| 71) Phenanthrene               | 17.06 | 178  | 1458132  | 20.540 | ng    | 99       |
| 72) Anthracene                 | 17.15 | 178  | 1456035  | 20.629 | ng    | 98       |
| 73) Carbazole                  | 17.42 | 167  | 1431067  | 20.923 | ng    | 99       |
| 74) Di-n-butylphthalate        | 18.01 | 149  | 1569375  | 39.721 | ng    | 99       |
| 75) Fluoranthene               | 19.03 | 202  | 1733563  | 21.592 | ng    | 99       |
| 77) Benzidine                  | 19.22 | 184  | 518886   | 42.408 | ng    | 99       |
| 78) Pyrene                     | 19.39 | 202  | 1877653  | 20.099 | ng    | 99       |
| 80) Butylbenzylphthalate       | 20.29 | 149  | 492760   | 45.999 | ng    | 97       |
| 81) Benzo(a)anthracene         | 21.10 | 228  | 1833433  | 20.852 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine     | 21.03 | 252  | 611711   | 37.092 | ng    | 95       |
| 83) Chrysene                   | 21.14 | 228  | 1791435  | 20.615 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phthalate | 21.06 | 149  | 943860   | 53.781 | ng    | 100      |
| 85) Di-n-octyl phthalate       | 21.93 | 149  | 1668010  | 56.984 | ng    | 100      |
| 86) Indeno(1,2,3-cd)pyrene     | 25.54 | 276  | 2205696  | 21.920 | ng    | 99       |
| 88) Benzo(b)fluoranthene       | 22.66 | 252  | 1877967  | 20.266 | ng    | 99       |
| 89) Benzo(k)fluoranthene       | 22.70 | 252  | 1887307  | 20.387 | ng    | 96       |
| 90) Benzo(a)pyrene             | 23.22 | 252  | 1770984  | 20.517 | ng    | 100      |
| 91) Dibenzo(a,h)anthracene     | 25.56 | 278  | 1816361  | 20.918 | ng    | 98       |
| 92) Benzo(g,h,i)perylene       | 26.22 | 276  | 1806158  | 20.971 | ng    | 98       |

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

