

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF070622\  
 Data File : BF129140.D  
 Acq On : 06 Jul 2022 13:38  
 Operator : CG\JU  
 Sample : PB146035BS  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

## Instrument :

BNA\_F

## ClientSampleId :

PB146035BS

## Manual Integrations

## APPROVED

Reviewed By : Christian Giraldo 07/07/2022  
 Supervised By : Jagrut Upadhyay 07/07/2022

Quant Time: Jul 06 14:06:26 2022

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF062922.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Jun 29 17:05:31 2022

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.957  | 152  | 436482   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.245  | 136  | 1695976  | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 10.004 | 164  | 859993   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.498 | 188  | 1525813  | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.151 | 240  | 928136   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.674 | 264  | 794281   | 20.000  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.598  | 112  | 2644931  | 102.447 | ng    | 0.01     |
| 7) Phenol-d6                  | 6.592  | 99   | 3331227  | 103.891 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.528  | 82   | 2157735  | 75.886  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.804 | 330  | 1102818  | 117.934 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.322  | 172  | 3708806  | 68.992  | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.086 | 244  | 3941552  | 88.189  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.904  | 88   | 311781   | 27.087  | ng    | # 86     |
| 3) Pyridine                   | 3.693  | 79   | 796898   | 28.349  | ng    | # 83     |
| 4) n-Nitrosodimethylamine     | 3.628  | 42   | 468222   | 36.765  | ng    | # 71     |
| 6) Aniline                    | 6.628  | 93   | 1361999  | 37.981  | ng    | 96       |
| 8) 2-Chlorophenol             | 6.745  | 128  | 1147808  | 42.316  | ng    | 95       |
| 9) Benzaldehyde               | 6.510  | 77   | 183598   | 8.909   | ng    | 98       |
| 10) Phenol                    | 6.604  | 94   | 1283913m | 39.521  | ng    |          |
| 11) bis(2-Chloroethyl)ether   | 6.692  | 93   | 1058516  | 41.166  | ng    | 92       |
| 12) 1,3-Dichlorobenzene       | 6.898  | 146  | 1169028  | 39.151  | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 6.975  | 146  | 1180284  | 39.189  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 7.128  | 146  | 1153908  | 40.757  | ng    | 98       |
| 15) Benzyl Alcohol            | 7.104  | 79   | 933850   | 41.404  | ng    | 96       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.228  | 45   | 1410424  | 38.404  | ng    | 89       |
| 17) 2-Methylphenol            | 7.210  | 107  | 908033   | 41.139  | ng    | 98       |
| 18) Hexachloroethane          | 7.475  | 117  | 435293   | 41.168  | ng    | 98       |
| 19) n-Nitroso-di-n-propyla... | 7.375  | 70   | 740063   | 39.898  | ng    | # 87     |
| 20) 3+4-Methylphenols         | 7.363  | 107  | 1099157  | 39.160  | ng    | 98       |
| 22) Acetophenone              | 7.375  | 105  | 1476059  | 37.939  | ng    | # 92     |
| 24) Nitrobenzene              | 7.545  | 77   | 1148703  | 41.754  | ng    | 95       |
| 25) Isophorone                | 7.786  | 82   | 2119985  | 44.116  | ng    | 96       |
| 26) 2-Nitrophenol             | 7.857  | 139  | 617147   | 48.267  | ng    | 92       |
| 27) 2,4-Dimethylphenol        | 7.892  | 122  | 1060253  | 45.931  | ng    | 97       |
| 28) bis(2-Chloroethoxy)met... | 7.986  | 93   | 1282724  | 38.868  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 8.098  | 162  | 937467   | 39.816  | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 8.186  | 180  | 986664   | 38.081  | ng    | 97       |
| 31) Naphthalene               | 8.269  | 128  | 2989329  | 38.826  | ng    | 98       |
| 32) Benzoic acid              | 8.022  | 122  | 787850   | 42.539  | ng    | 94       |
| 33) 4-Chloroaniline           | 8.310  | 127  | 936289   | 30.179  | ng    | 97       |
| 34) Hexachlorobutadiene       | 8.380  | 225  | 610659   | 39.472  | ng    | 99       |
| 35) Caprolactam               | 8.698  | 113  | 298261m  | 39.948  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.792  | 107  | 978033   | 40.884  | ng    | 94       |
| 37) 2-Methylnaphthalene       | 8.957  | 142  | 2017932  | 38.950  | ng    | 100      |
| 38) 1-Methylnaphthalene       | 9.057  | 142  | 1952321  | 38.804  | ng    | 98       |
| 40) 1,2,4,5-Tetrachloroben... | 9.122  | 216  | 963989   | 39.879  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 9.110  | 237  | 1144749  | 89.715  | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 9.233  | 196  | 667149   | 40.519  | ng    | 98       |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.280  | 196  | 711582   | 40.630 | ng    | 97       |
| 46) 1,1'-Biphenyl             | 9.422  | 154  | 2416062  | 39.078 | ng    | 97       |
| 47) 2-Chloronaphthalene       | 9.451  | 162  | 1876219  | 39.296 | ng    | 100      |
| 48) 2-Nitroaniline            | 9.545  | 65   | 576284   | 45.827 | ng    | 86       |
| 49) Acenaphthylene            | 9.869  | 152  | 3029574  | 41.759 | ng    | 98       |
| 50) Dimethylphthalate         | 9.727  | 163  | 2173717  | 40.403 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 9.786  | 165  | 509530   | 46.346 | ng    | 99       |
| 52) Acenaphthene              | 10.039 | 154  | 2073493m | 43.877 | ng    |          |
| 53) 3-Nitroaniline            | 9.957  | 138  | 461738   | 35.219 | ng    | # 90     |
| 54) 2,4-Dinitrophenol         | 10.069 | 184  | 589736   | 97.546 | ng    | # 80     |
| 55) Dibenzofuran              | 10.216 | 168  | 2596019  | 37.727 | ng    | 96       |
| 56) 4-Nitrophenol             | 10.122 | 139  | 883109   | 82.441 | ng    | 94       |
| 57) 2,4-Dinitrotoluene        | 10.198 | 165  | 673363   | 49.613 | ng    | # 82     |
| 58) Fluorene                  | 10.557 | 166  | 2047746  | 38.472 | ng    | 97       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.327 | 232  | 586013   | 40.388 | ng    | 100      |
| 60) Diethylphthalate          | 10.427 | 149  | 2145574  | 39.799 | ng    | 98       |
| 61) 4-Chlorophenyl-phenyle... | 10.545 | 204  | 1020861  | 38.494 | ng    | 97       |
| 62) 4-Nitroaniline            | 10.580 | 138  | 548563   | 42.195 | ng    | 90       |
| 63) Azobenzene                | 10.704 | 77   | 2005809  | 37.975 | ng    | 94       |
| 65) 4,6-Dinitro-2-methylph... | 10.604 | 198  | 348946   | 51.693 | ng    | 86       |
| 66) n-Nitrosodiphenylamine    | 10.669 | 169  | 1828083  | 39.450 | ng    | 95       |
| 67) 4-Bromophenyl-phenylether | 11.039 | 248  | 661772   | 40.773 | ng    | 94       |
| 68) Hexachlorobenzene         | 11.104 | 284  | 736460   | 40.749 | ng    | 99       |
| 69) Atrazine                  | 11.192 | 200  | 585890   | 44.931 | ng    | 98       |
| 70) Pentachlorophenol         | 11.304 | 266  | 907627   | 84.315 | ng    | 98       |
| 71) Phenanthrene              | 11.527 | 178  | 2818753  | 38.664 | ng    | 97       |
| 72) Anthracene                | 11.580 | 178  | 2840587  | 39.520 | ng    | 98       |
| 73) Carbazole                 | 11.733 | 167  | 2680034  | 37.211 | ng    | 99       |
| 74) Di-n-butylphthalate       | 12.051 | 149  | 3112683  | 40.989 | ng    | 98       |
| 75) Fluoranthene              | 12.716 | 202  | 2942825  | 38.598 | ng    | 95       |
| 77) Benzidine                 | 12.833 | 184  | 880100   | 53.253 | ng    | 98       |
| 78) Pyrene                    | 12.951 | 202  | 2904540  | 45.147 | ng    | 98       |
| 80) Butylbenzylphthalate      | 13.557 | 149  | 1191230  | 45.451 | ng    | 91       |
| 81) Benzo(a)anthracene        | 14.139 | 228  | 2360073  | 41.646 | ng    | 98       |
| 82) 3,3'-Dichlorobenzidine    | 14.098 | 252  | 737324   | 60.214 | ng    | 96       |
| 83) Chrysene                  | 14.180 | 228  | 2122306  | 40.340 | ng    | 98       |
| 84) Bis(2-ethylhexyl)phtha... | 14.110 | 149  | 1499321  | 43.045 | ng    | 97       |
| 85) Di-n-octyl phthalate      | 14.733 | 149  | 2186971  | 42.533 | ng    | # 94     |
| 87) Indeno(1,2,3-cd)pyrene    | 17.239 | 276  | 2250837  | 46.204 | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 15.221 | 252  | 2089947  | 43.752 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.257 | 252  | 2042767  | 44.091 | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.609 | 252  | 1983170  | 50.928 | ng    | 97       |
| 91) Dibenzo(a,h)anthracene    | 17.262 | 278  | 1951238  | 49.135 | ng    | 97       |
| 92) Benzo(g,h,i)perylene      | 17.727 | 276  | 1989704  | 49.939 | ng    | 100      |

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

