

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP092121\  
 Data File : BP007088.D  
 Acq On : 21 Sep 2021 20:45  
 Operator : CG/JU  
 Sample : PB139165BSD  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 PB139165BSD

Manual Integrations  
 APPROVED

mohammad  
 9/22/2021 4:42:50 PM

Quant Time: Sep 22 03:14:32 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP092121.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 21 16:50:24 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.905  | 152  | 315873   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.704 | 136  | 1331091  | 20.000  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.534 | 164  | 865016   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.281 | 188  | 1760275  | 20.000  | ng    | # 0.00   |
| 76) Chrysene-d12              | 21.363 | 240  | 1694866  | 20.000  | ng    | # 0.00   |
| 86) Perylene-d12              | 23.774 | 264  | 1705985  | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.475  | 112  | 2447821  | 129.720 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.069  | 99   | 3074507  | 119.210 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.063  | 82   | 1738541  | 76.062  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.022 | 330  | 1307689  | 116.607 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.157 | 172  | 4443143  | 73.587  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.833 | 244  | 6706651  | 75.827  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.364  | 88   | 256006   | 33.549  | ng    | # 87     |
| 3) Pyridine                   | 3.770  | 79   | 676872   | 32.415  | ng    | # 87     |
| 4) n-Nitrosodimethylamine     | 3.675  | 42   | 306755   | 42.851  | ng    | # 77     |
| 6) Aniline                    | 7.228  | 93   | 1173937  | 41.294  | ng    | 99       |
| 8) 2-Chlorophenol             | 7.463  | 128  | 928262   | 45.263  | ng    | 97       |
| 9) Benzaldehyde               | 7.040  | 77   | 525382m  | 36.163  | ng    |          |
| 10) Phenol                    | 7.099  | 94   | 1144878  | 46.043  | ng    | 90       |
| 11) bis(2-Chloroethyl)ether   | 7.328  | 93   | 831483   | 42.363  | ng    | 95       |
| 12) 1,3-Dichlorobenzene       | 7.793  | 146  | 948720   | 41.012  | ng    | 96       |
| 13) 1,4-Dichlorobenzene       | 7.940  | 146  | 963939   | 40.874  | ng    | 97       |
| 14) 1,2-Dichlorobenzene       | 8.252  | 146  | 940513   | 41.155  | ng    | 98       |
| 15) Benzyl Alcohol            | 8.146  | 79   | 750222   | 45.417  | ng    | 95       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.440  | 45   | 977727   | 43.505  | ng    | 90       |
| 17) 2-Methylphenol            | 8.346  | 107  | 770216   | 45.949  | ng    | 93       |
| 18) Hexachloroethane          | 8.981  | 117  | 336481   | 42.496  | ng    | 98       |
| 19) n-Nitroso-di-n-propyla... | 8.716  | 70   | 595490   | 42.453  | ng    | 97       |
| 20) 3+4-Methylphenols         | 8.675  | 107  | 1047869  | 45.210  | ng    | 95       |
| 22) Acetophenone              | 8.728  | 105  | 1293690  | 40.336  | ng    | # 98     |
| 24) Nitrobenzene              | 9.105  | 77   | 895885   | 41.111  | ng    | 97       |
| 25) Isophorone                | 9.640  | 82   | 1652267  | 41.456  | ng    | 97       |
| 26) 2-Nitrophenol             | 9.816  | 139  | 475916   | 41.882  | ng    | # 89     |
| 27) 2,4-Dimethylphenol        | 9.881  | 122  | 865548   | 48.377  | ng    | 96       |
| 28) bis(2-Chloroethoxy)met... | 10.116 | 93   | 1109579  | 39.460  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 10.352 | 162  | 905300   | 43.376  | ng    | 98       |
| 30) 1,2,4-Trichlorobenzene    | 10.569 | 180  | 917610   | 38.593  | ng    | 99       |
| 31) Naphthalene               | 10.752 | 128  | 2708313  | 39.867  | ng    | 100      |
| 32) Benzoic acid              | 10.028 | 122  | 578994   | 42.105  | ng    | 94       |
| 33) 4-Chloroaniline           | 10.863 | 127  | 861075   | 30.680  | ng    | 98       |
| 34) Hexachlorobutadiene       | 11.040 | 225  | 546564   | 38.392  | ng    | 99       |
| 35) Caprolactam               | 11.663 | 113  | 281916m  | 43.906  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 11.987 | 107  | 914584   | 43.111  | ng    | 97       |
| 37) 2-Methylnaphthalene       | 12.363 | 142  | 2004459  | 42.139  | ng    | 95       |
| 38) 1-Methylnaphthalene       | 12.581 | 142  | 1855663  | 39.925  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 12.728 | 216  | 1053404  | 39.766  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 12.710 | 237  | 1349521  | 91.920  | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 12.969 | 196  | 734549   | 40.639  | ng    | 98       |

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|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 13.034 | 196  | 800442   | 41.124 | ng    | 96       |
| 46) 1,1'-Biphenyl             | 13.369 | 154  | 2462535  | 38.273 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 13.410 | 162  | 1964281  | 39.411 | ng    | 98       |
| 48) 2-Nitroaniline            | 13.610 | 65   | 531269   | 43.720 | ng    | 97       |
| 49) Acenaphthylene            | 14.251 | 152  | 3145664  | 40.978 | ng    | 100      |
| 50) Dimethylphthalate         | 13.993 | 163  | 2493083  | 40.073 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 14.110 | 165  | 548041   | 43.124 | ng    | 89       |
| 52) Acenaphthene              | 14.598 | 154  | 1862602  | 40.048 | ng    | 100      |
| 53) 3-Nitroaniline            | 14.440 | 138  | 484517   | 35.261 | ng    | 96       |
| 54) 2,4-Dinitrophenol         | 14.645 | 184  | 679075   | 92.761 | ng    | 87       |
| 55) Dibenzofuran              | 14.928 | 168  | 3003223  | 38.702 | ng    | 95       |
| 56) 4-Nitrophenol             | 14.745 | 139  | 1014926  | 90.980 | ng    | # 81     |
| 57) 2,4-Dinitrotoluene        | 14.892 | 165  | 757315   | 45.158 | ng    | 93       |
| 58) Fluorene                  | 15.581 | 166  | 2403528  | 40.094 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.157 | 232  | 675792m  | 39.539 | ng    |          |
| 60) Diethylphthalate          | 15.357 | 149  | 2423053  | 40.193 | ng    | 98       |
| 61) 4-Chlorophenyl-phenyle... | 15.575 | 204  | 1237953  | 39.078 | ng    | 92       |
| 62) 4-Nitroaniline            | 15.598 | 138  | 587487   | 42.512 | ng    | # 79     |
| 63) Azobenzene                | 15.863 | 77   | 2110612  | 40.402 | ng    | 94       |
| 65) 4,6-Dinitro-2-methylph... | 15.657 | 198  | 416535   | 39.432 | ng    | 98       |
| 66) n-Nitrosodiphenylamine    | 15.787 | 169  | 2133858  | 40.741 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 16.469 | 248  | 771831   | 40.007 | ng    | 93       |
| 68) Hexachlorobenzene         | 16.586 | 284  | 869938   | 40.801 | ng    | 97       |
| 69) Atrazine                  | 16.745 | 200  | 782392   | 42.379 | ng    | 97       |
| 70) Pentachlorophenol         | 16.928 | 266  | 1162024  | 87.757 | ng    | 99       |
| 71) Phenanthrene              | 17.322 | 178  | 3816474  | 40.435 | ng    | 99       |
| 72) Anthracene                | 17.416 | 178  | 3877235  | 41.993 | ng    | 99       |
| 73) Carbazole                 | 17.681 | 167  | 3533572  | 39.055 | ng    | 98       |
| 74) Di-n-butylphthalate       | 18.239 | 149  | 4087384  | 40.764 | ng    | 98       |
| 75) Fluoranthene              | 19.286 | 202  | 4416641  | 40.615 | ng    | 97       |
| 77) Benzidine                 | 19.463 | 184  | 2945260  | 56.546 | ng    | 99       |
| 78) Pyrene                    | 19.639 | 202  | 4584177  | 41.225 | ng    | 99       |
| 80) Butylbenzylphthalate      | 20.510 | 149  | 1849159  | 41.525 | ng    | 98       |
| 81) Benzo(a)anthracene        | 21.345 | 228  | 4392862  | 39.930 | ng    | 98       |
| 82) 3,3'-Dichlorobenzidine    | 21.280 | 252  | 1474995  | 39.040 | ng    | 97       |
| 83) Chrysene                  | 21.398 | 228  | 4277631  | 40.684 | ng    | 98       |
| 84) Bis(2-ethylhexyl)phtha... | 21.274 | 149  | 2692328  | 42.053 | ng    | 97       |
| 85) Di-n-octyl phthalate      | 22.198 | 149  | 4666337  | 42.810 | ng    | 100      |
| 87) Indeno(1,2,3-cd)pyrene    | 26.310 | 276  | 5260836  | 42.910 | ng    | # 94     |
| 88) Benzo(b)fluoranthene      | 23.039 | 252  | 4595078  | 45.071 | ng    | # 98     |
| 89) Benzo(k)fluoranthene      | 23.086 | 252  | 4457953  | 43.187 | ng    | # 97     |
| 90) Benzo(a)pyrene            | 23.668 | 252  | 4426897  | 51.109 | ng    | # 97     |
| 91) Dibenzo(a,h)anthracene    | 26.321 | 278  | 4502101  | 43.819 | ng    | # 95     |
| 92) Benzo(g,h,i)perylene      | 27.086 | 276  | 4392405  | 43.808 | ng    | # 94     |

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

