

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102523\  
 Data File : BF135946.D  
 Acq On : 25 Oct 2023 17:51  
 Operator : CG\JU  
 Sample : PB156430BS  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB156430BS

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 10/26/2023  
 Supervised By :mohammad ahmed 10/26/2023

Quant Time: Oct 26 04:30:31 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF102523.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Oct 26 03:58:01 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.822  | 152  | 180539   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.104  | 136  | 700629   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.863  | 164  | 350791   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.351 | 188  | 648344   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.010 | 240  | 407228   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.486 | 264  | 378847   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.469  | 112  | 1504177  | 128.654 | ng    | 0.02     |
| 7) Phenol-d6                  | 6.463  | 99   | 1880623  | 129.202 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.392  | 82   | 1023228  | 93.238  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.657 | 330  | 495807   | 161.476 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.186  | 172  | 1899423  | 86.703  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.951 | 244  | 2326967  | 95.471  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.722  | 88   | 190922   | 35.153  | ng    | 100      |
| 3) Pyridine                   | 3.463  | 79   | 495675   | 33.066  | ng    | 98       |
| 4) n-Nitrosodimethylamine     | 3.428  | 42   | 277918   | 42.519  | ng    | 98       |
| 6) Aniline                    | 6.487  | 93   | 645258   | 32.922  | ng    | 99       |
| 8) 2-Chlorophenol             | 6.610  | 128  | 572724   | 47.319  | ng    | 96       |
| 9) Benzaldehyde               | 6.375  | 77   | 89525    | 11.370  | ng    | 99       |
| 10) Phenol                    | 6.475  | 94   | 677003m  | 44.490  | ng    |          |
| 11) bis(2-Chloroethyl)ether   | 6.563  | 93   | 529889   | 44.737  | ng    | 97       |
| 12) 1,3-Dichlorobenzene       | 6.763  | 146  | 581701   | 45.247  | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 6.840  | 146  | 588753   | 45.598  | ng    | 97       |
| 14) 1,2-Dichlorobenzene       | 6.993  | 146  | 558760   | 46.602  | ng    | 99       |
| 15) Benzyl Alcohol            | 6.969  | 79   | 410928   | 39.936  | ng    | 98       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.104  | 45   | 776530   | 44.518  | ng    | 99       |
| 17) 2-Methylphenol            | 7.075  | 107  | 443485   | 41.573  | ng    | 98       |
| 18) Hexachloroethane          | 7.334  | 117  | 207026   | 47.154  | ng    | 97       |
| 19) n-Nitroso-di-n-propyla... | 7.245  | 70   | 363789   | 43.951  | ng    | 98       |
| 20) 3+4-Methylphenols         | 7.234  | 107  | 539521   | 41.905  | ng    | # 81     |
| 22) Acetophenone              | 7.240  | 105  | 730069   | 46.136  | ng    | # 91     |
| 24) Nitrobenzene              | 7.410  | 77   | 545005   | 47.027  | ng    | 99       |
| 25) Isophorone                | 7.645  | 82   | 1008137  | 45.522  | ng    | 99       |
| 26) 2-Nitrophenol             | 7.722  | 139  | 222729   | 52.599  | ng    | 99       |
| 27) 2,4-Dimethylphenol        | 7.757  | 122  | 429931   | 42.595  | ng    | 98       |
| 28) bis(2-Chloroethoxy)met... | 7.857  | 93   | 616842   | 45.358  | ng    | 100      |
| 29) 2,4-Dichlorophenol        | 7.957  | 162  | 444295   | 49.156  | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 8.045  | 180  | 487222   | 47.610  | ng    | 99       |
| 31) Naphthalene               | 8.128  | 128  | 1540514  | 45.478  | ng    | 99       |
| 32) Benzoic acid              | 7.887  | 122  | 254652   | 50.817  | ng    | 95       |
| 33) 4-Chloroaniline           | 8.175  | 127  | 292062   | 19.508  | ng    | 98       |
| 34) Hexachlorobutadiene       | 8.245  | 225  | 271351   | 47.043  | ng    | 99       |
| 35) Caprolactam               | 8.545  | 113  | 151433m  | 50.347  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.657  | 107  | 463566   | 48.262  | ng    | 97       |
| 37) 2-Methylnaphthalene       | 8.822  | 142  | 973611   | 43.441  | ng    | 99       |
| 38) 1-Methylnaphthalene       | 8.916  | 142  | 939958   | 44.884  | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 8.986  | 216  | 440892   | 44.500  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 8.975  | 237  | 500232   | 102.394 | ng    | 100      |
| 43) 2,4,6-Trichlorophenol     | 9.098  | 196  | 299064   | 51.573  | ng    | 97       |

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| 44) 2,4,5-Trichlorophenol     | 9.139  | 196  | 329443   | 47.849 | ng    | 96       |
| 46) 1,1'-Biphenyl             | 9.286  | 154  | 1211966  | 45.596 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.310  | 162  | 926497   | 47.124 | ng    | 98       |
| 48) 2-Nitroaniline            | 9.404  | 65   | 270452   | 49.919 | ng    | 97       |
| 49) Acenaphthylene            | 9.728  | 152  | 1480889  | 47.745 | ng    | 99       |
| 50) Dimethylphthalate         | 9.592  | 163  | 1044138  | 45.899 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.651  | 165  | 231479   | 48.973 | ng    | # 85     |
| 52) Acenaphthene              | 9.898  | 154  | 980065m  | 49.305 | ng    |          |
| 53) 3-Nitroaniline            | 9.816  | 138  | 191784   | 35.317 | ng    | 94       |
| 54) 2,4-Dinitrophenol         | 9.922  | 184  | 169735   | 87.532 | ng    | 97       |
| 55) Dibenzofuran              | 10.069 | 168  | 1300087  | 45.273 | ng    | 99       |
| 56) 4-Nitrophenol             | 9.981  | 139  | 439914   | 94.634 | ng    | 98       |
| 57) 2,4-Dinitrotoluene        | 10.057 | 165  | 308616   | 52.275 | ng    | 92       |
| 58) Fluorene                  | 10.416 | 166  | 978087   | 45.526 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 10.186 | 232  | 279332   | 53.915 | ng    | 99       |
| 60) Diethylphthalate          | 10.298 | 149  | 1009691  | 46.545 | ng    | 98       |
| 61) 4-Chlorophenyl-phenyle... | 10.410 | 204  | 461016   | 44.485 | ng    | 100      |
| 62) 4-Nitroaniline            | 10.439 | 138  | 260572   | 46.766 | ng    | 95       |
| 63) Azobenzene                | 10.569 | 77   | 999378   | 45.397 | ng    | 98       |
| 65) 4,6-Dinitro-2-methylph... | 10.457 | 198  | 117272   | 53.023 | ng    | 97       |
| 66) n-Nitrosodiphenylamine    | 10.528 | 169  | 904917   | 46.201 | ng    | 100      |
| 67) 4-Bromophenyl-phenylether | 10.898 | 248  | 311376   | 46.896 | ng    | 98       |
| 68) Hexachlorobenzene         | 10.957 | 284  | 356221   | 50.222 | ng    | 98       |
| 69) Atrazine                  | 11.063 | 200  | 303492   | 56.840 | ng    | 99       |
| 70) Pentachlorophenol         | 11.157 | 266  | 399737   | 88.419 | ng    | 99       |
| 71) Phenanthrene              | 11.380 | 178  | 1557927  | 47.496 | ng    | 100      |
| 72) Anthracene                | 11.433 | 178  | 1583097  | 47.135 | ng    | 99       |
| 73) Carbazole                 | 11.586 | 167  | 1424027  | 47.530 | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.927 | 149  | 1548877  | 48.582 | ng    | 100      |
| 75) Fluoranthene              | 12.569 | 202  | 1634768  | 47.373 | ng    | 97       |
| 77) Benzidine                 | 12.692 | 184  | 322636   | 41.088 | ng    | 98       |
| 78) Pyrene                    | 12.804 | 202  | 1699227  | 49.696 | ng    | 100      |
| 80) Butylbenzylphthalate      | 13.433 | 149  | 625198   | 48.351 | ng    | 94       |
| 81) Benzo(a)anthracene        | 13.998 | 228  | 1365520  | 49.316 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 13.963 | 252  | 354509   | 42.083 | ng    | 99       |
| 83) Chrysene                  | 14.033 | 228  | 1291088  | 47.875 | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 14.004 | 149  | 745173   | 52.998 | ng    | 99       |
| 85) Di-n-octyl phthalate      | 14.621 | 149  | 1192554  | 53.842 | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.992 | 276  | 1196789  | 55.711 | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 15.051 | 252  | 1168101  | 51.809 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.086 | 252  | 1048203  | 47.338 | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.427 | 252  | 971975   | 46.776 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 17.021 | 278  | 996264   | 54.219 | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 17.457 | 276  | 968939   | 46.506 | ng    | 99       |

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

