

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP111121\  
 Data File : BP007950.D  
 Acq On : 11 Nov 2021 17:48  
 Operator : CG/JU  
 Sample : M4630-12MSD  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SB-13W-5.0MSD

Manual Integrations  
 APPROVED

Reviewed By :Jagrut  
 Upadhyay

Quant Time: Nov 12 00:28:06 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP110221.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Nov 11 13:53:53 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.846  | 152  | 161534   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.646 | 136  | 609884   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.487 | 164  | 384008   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.245 | 188  | 857848   | 20.000  | ng    | # 0.00   |
| 76) Chrysene-d12              | 21.339 | 240  | 1010166  | 20.000  | ng    | # 0.00   |
| 86) Perylene-d12              | 23.745 | 264  | 1058111  | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.434  | 112  | 1162404  | 122.040 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.028  | 99   | 1434198  | 104.032 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.011  | 82   | 892446   | 78.605  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 15.987 | 330  | 747773   | 136.446 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.110 | 172  | 2125611  | 80.610  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.810 | 244  | 3646248  | 73.501  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.340  | 88   | 161043   | 49.441  | ng    | 97       |
| 3) Pyridine                   | 3.740  | 79   | 408844   | 38.687  | ng    | 95       |
| 4) n-Nitrosodimethylamine     | 3.646  | 42   | 209085   | 46.262  | ng    | # 96     |
| 6) Aniline                    | 7.175  | 93   | 585780   | 37.724  | ng    | 97       |
| 8) 2-Chlorophenol             | 7.417  | 128  | 521188   | 49.654  | ng    | 96       |
| 9) Benzaldehyde               | 6.987  | 77   | 288520   | 38.488  | ng    | 96       |
| 10) Phenol                    | 7.058  | 94   | 632618   | 48.054  | ng    | 94       |
| 11) bis(2-Chloroethyl)ether   | 7.275  | 93   | 446714   | 42.511  | ng    | 96       |
| 12) 1,3-Dichlorobenzene       | 7.740  | 146  | 555329   | 47.571  | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 7.881  | 146  | 564182   | 47.300  | ng    | 100      |
| 14) 1,2-Dichlorobenzene       | 8.199  | 146  | 538703   | 46.735  | ng    | 98       |
| 15) Benzyl Alcohol            | 8.093  | 79   | 472451   | 45.265  | ng    | 98       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.381  | 45   | 512085   | 41.573  | ng    | 95       |
| 17) 2-Methylphenol            | 8.305  | 107  | 426297   | 46.827  | ng    | 98       |
| 18) Hexachloroethane          | 8.928  | 117  | 198889   | 48.219  | ng    | 90       |
| 19) n-Nitroso-di-n-propyla... | 8.664  | 70   | 346142   | 41.026  | ng    | 93       |
| 20) 3+4-Methylphenols         | 8.628  | 107  | 583064   | 45.531  | ng    | 97       |
| 22) Acetophenone              | 8.675  | 105  | 708363   | 46.096  | ng    | # 98     |
| 24) Nitrobenzene              | 9.052  | 77   | 528191   | 48.888  | ng    | 95       |
| 25) Isophorone                | 9.587  | 82   | 956891   | 46.375  | ng    | 96       |
| 26) 2-Nitrophenol             | 9.763  | 139  | 281102   | 51.375  | ng    | # 95     |
| 27) 2,4-Dimethylphenol        | 9.834  | 122  | 481430   | 57.255  | ng    | 95       |
| 28) bis(2-Chloroethoxy)met... | 10.063 | 93   | 591616   | 43.451  | ng    | 100      |
| 29) 2,4-Dichlorophenol        | 10.299 | 162  | 531895   | 52.613  | ng    | 98       |
| 30) 1,2,4-Trichlorobenzene    | 10.510 | 180  | 547912   | 48.730  | ng    | 97       |
| 31) Naphthalene               | 10.699 | 128  | 1471698  | 47.703  | ng    | 99       |
| 32) Benzoic acid              | 10.011 | 122  | 382660   | 52.793  | ng    | 99       |
| 33) 4-Chloroaniline           | 10.810 | 127  | 227714   | 16.756  | ng    | 98       |
| 34) Hexachlorobutadiene       | 10.987 | 225  | 380337   | 51.521  | ng    | 98       |
| 35) Caprolactam               | 11.616 | 113  | 162528m  | 46.056  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 11.946 | 107  | 564029   | 49.388  | ng    | 98       |
| 37) 2-Methylnaphthalene       | 12.310 | 142  | 1095279  | 48.130  | ng    | 97       |
| 38) 1-Methylnaphthalene       | 12.528 | 142  | 1020137  | 45.752  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 12.681 | 216  | 649638   | 53.965  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 12.663 | 237  | 805572   | 124.947 | ng    | 98       |
| 43) 2,4,6-Trichlorophenol     | 12.922 | 196  | 455989   | 54.231  | ng    | 100      |

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 QLast Update : Thu Nov 11 13:53:53 2021  
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|-------------------------------|--------|------|----------|---------|-------|----------|----------------------------------|
| 44) 2,4,5-Trichlorophenol     | 12.999 | 196  | 501308   | 55.039  | ng    | 95       | 11/12/2021                       |
| 46) 1,1'-Biphenyl             | 13.322 | 154  | 1374839  | 49.586  | ng    | 98       | Supervised By :mohammad<br>ahmed |
| 47) 2-Chloronaphthalene       | 13.363 | 162  | 1100327  | 51.069  | ng    | 99       |                                  |
| 48) 2-Nitroaniline            | 13.569 | 65   | 307171   | 49.546  | ng    | 97       |                                  |
| 49) Acenaphthylene            | 14.210 | 152  | 1640228  | 48.474  | ng    | 99       |                                  |
| 50) Dimethylphthalate         | 13.951 | 163  | 1388299  | 46.840  | ng    | 100      |                                  |
| 51) 2,6-Dinitrotoluene        | 14.069 | 165  | 308750   | 50.371  | ng    | 96       | 11/17/2021                       |
| 52) Acenaphthene              | 14.551 | 154  | 969490   | 47.440  | ng    | 99       |                                  |
| 53) 3-Nitroaniline            | 14.393 | 138  | 186506   | 28.521  | ng    | # 98     |                                  |
| 54) 2,4-Dinitrophenol         | 14.610 | 184  | 399718   | 106.081 | ng    | # 87     |                                  |
| 55) Dibenzofuran              | 14.887 | 168  | 1594393  | 46.121  | ng    | 98       |                                  |
| 56) 4-Nitrophenol             | 14.722 | 139  | 520100   | 93.641  | ng    | 90       |                                  |
| 57) 2,4-Dinitrotoluene        | 14.857 | 165  | 430916   | 51.067  | ng    | 92       |                                  |
| 58) Fluorene                  | 15.540 | 166  | 1258815  | 48.007  | ng    | 100      |                                  |
| 59) 2,3,4,6-Tetrachlorophenol | 15.122 | 232  | 419654m  | 51.183  | ng    |          |                                  |
| 60) Diethylphthalate          | 15.322 | 149  | 1409841  | 48.995  | ng    | 99       |                                  |
| 61) 4-Chlorophenyl-phenyle... | 15.534 | 204  | 697890   | 48.728  | ng    | 99       |                                  |
| 62) 4-Nitroaniline            | 15.563 | 138  | 306732   | 46.184  | ng    | 87       |                                  |
| 63) Azobenzene                | 15.828 | 77   | 1155220  | 47.566  | ng    | 96       |                                  |
| 65) 4,6-Dinitro-2-methylph... | 15.628 | 198  | 257195   | 45.788  | ng    | 88       |                                  |
| 66) n-Nitrosodiphenylamine    | 15.751 | 169  | 1162090  | 47.584  | ng    | 99       |                                  |
| 67) 4-Bromophenyl-phenylether | 16.434 | 248  | 473689   | 49.878  | ng    | 97       |                                  |
| 68) Hexachlorobenzene         | 16.551 | 284  | 549138   | 51.820  | ng    | 92       |                                  |
| 69) Atrazine                  | 16.716 | 200  | 491210   | 52.526  | ng    | 98       |                                  |
| 70) Pentachlorophenol         | 16.898 | 266  | 722979   | 106.075 | ng    | 97       |                                  |
| 71) Phenanthrene              | 17.287 | 178  | 2133445  | 47.308  | ng    | 100      |                                  |
| 72) Anthracene                | 17.381 | 178  | 2184257  | 49.217  | ng    | 100      |                                  |
| 73) Carbazole                 | 17.651 | 167  | 1972618  | 44.715  | ng    | 100      |                                  |
| 74) Di-n-butylphthalate       | 18.210 | 149  | 2496795  | 49.695  | ng    | 99       |                                  |
| 75) Fluoranthene              | 19.257 | 202  | 2771997  | 48.727  | ng    | 97       |                                  |
| 77) Benzidine                 | 19.434 | 184  | 1646761  | 64.683  | ng    | 99       |                                  |
| 78) Pyrene                    | 19.610 | 202  | 2853427  | 46.055  | ng    | 99       |                                  |
| 80) Butylbenzylphthalate      | 20.486 | 149  | 1239553  | 47.603  | ng    | 95       |                                  |
| 81) Benzo(a)anthracene        | 21.322 | 228  | 3038155  | 45.652  | ng    | 99       |                                  |
| 82) 3,3'-Dichlorobenzidine    | 21.257 | 252  | 814541   | 36.449  | ng    | # 98     |                                  |
| 83) Chrysene                  | 21.375 | 228  | 2937949  | 46.633  | ng    | 99       |                                  |
| 84) Bis(2-ethylhexyl)phtha... | 21.251 | 149  | 1855222  | 49.677  | ng    | # 97     |                                  |
| 85) Di-n-octyl phthalate      | 22.180 | 149  | 3422001  | 50.938  | ng    | 96       |                                  |
| 87) Indeno(1,2,3-cd)pyrene    | 26.263 | 276  | 3299153  | 41.830  | ng    | # 93     |                                  |
| 88) Benzo(b)fluoranthene      | 23.016 | 252  | 3293463  | 52.803  | ng    | # 97     |                                  |
| 89) Benzo(k)fluoranthene      | 23.063 | 252  | 3090651  | 49.926  | ng    | # 98     |                                  |
| 90) Benzo(a)pyrene            | 23.645 | 252  | 3083503  | 57.094  | ng    | # 97     |                                  |
| 91) Dibenzo(a,h)anthracene    | 26.280 | 278  | 2804116  | 42.895  | ng    | # 96     |                                  |
| 92) Benzo(g,h,i)perylene      | 27.033 | 276  | 2694716  | 41.552  | ng    | # 95     |                                  |

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

