

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP082124\  
 Data File : BP021596.D  
 Acq On : 21 Aug 2024 13:52  
 Operator : RC/JU  
 Sample : PB162717BS  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 PB162717BS

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 08/22/2024  
 Supervised By :mohammad ahmed 08/22/2024

Quant Time: Aug 21 15:05:19 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP081324.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 14 00:00:30 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.805  | 152  | 382215   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.593 | 136  | 1575046  | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.451 | 164  | 1040134  | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.257 | 188  | 2287402  | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.733 | 240  | 2165693  | 20.000  | ng    | 0.04     |
| 86) Perylene-d12              | 25.180 | 264  | 2442992  | 20.000  | ng    | 0.08     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.399  | 112  | 3393745  | 131.843 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.969  | 99   | 4617277  | 122.964 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 8.952  | 82   | 2709858  | 88.803  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 15.969 | 330  | 1734110  | 149.799 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.063 | 172  | 5274621  | 77.393  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.986 | 244  | 9075459  | 81.411  | ng    | 0.01     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.317  | 88   | 332984   | 27.282  | ng    | 97       |
| 3) Pyridine                   | 3.711  | 79   | 930205   | 27.301  | ng    | 95       |
| 4) n-Nitrosodimethylamine     | 3.617  | 42   | 421867   | 41.193  | ng    | 92       |
| 6) Aniline                    | 7.128  | 93   | 1009293  | 26.886  | ng    | 97       |
| 8) 2-Chlorophenol             | 7.369  | 128  | 1182127  | 49.695  | ng    | 95       |
| 9) Benzaldehyde               | 6.940  | 77   | 438596m  | 18.243  | ng    |          |
| 10) Phenol                    | 6.999  | 94   | 1763452  | 45.352  | ng    | 96       |
| 11) bis(2-Chloroethyl)ether   | 7.222  | 93   | 1309449  | 39.798  | ng    | 96       |
| 12) 1,3-Dichlorobenzene       | 7.693  | 146  | 1173922  | 41.546  | ng    | 96       |
| 13) 1,4-Dichlorobenzene       | 7.840  | 146  | 1209567  | 42.394  | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 8.152  | 146  | 1159900  | 42.185  | ng    | 100      |
| 15) Benzyl Alcohol            | 8.034  | 79   | 1201796  | 44.606  | ng    | 96       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.316  | 45   | 1232878  | 40.689  | ng    | 96       |
| 17) 2-Methylphenol            | 8.240  | 107  | 1138874  | 46.330  | ng    | 97       |
| 18) Hexachloroethane          | 8.881  | 117  | 493810   | 43.160  | ng    | 99       |
| 19) n-Nitroso-di-n-propyla... | 8.605  | 70   | 929078   | 35.819  | ng    | 95       |
| 20) 3+4-Methylphenols         | 8.563  | 107  | 1570147  | 47.371  | ng    | 98       |
| 22) Acetophenone              | 8.616  | 105  | 1818142  | 37.575  | ng    | # 98     |
| 24) Nitrobenzene              | 8.993  | 77   | 1407014  | 42.453  | ng    | 93       |
| 25) Isophorone                | 9.522  | 82   | 2739777  | 38.005  | ng    | 97       |
| 26) 2-Nitrophenol             | 9.704  | 139  | 589121   | 61.505  | ng    | 93       |
| 27) 2,4-Dimethylphenol        | 9.769  | 122  | 895823   | 50.352  | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 9.999  | 93   | 1750150  | 39.771  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 10.240 | 162  | 1105942  | 52.612  | ng    | 98       |
| 30) 1,2,4-Trichlorobenzene    | 10.457 | 180  | 1117565  | 41.468  | ng    | 98       |
| 31) Naphthalene               | 10.646 | 128  | 3480847  | 42.304  | ng    | 99       |
| 32) Benzoic acid              | 9.904  | 122  | 859892   | 64.569  | ng    | 91       |
| 33) 4-Chloroaniline           | 10.740 | 127  | 776965   | 25.139  | ng    | 96       |
| 34) Hexachlorobutadiene       | 10.934 | 225  | 670956   | 39.541  | ng    | 99       |
| 35) Caprolactam               | 11.528 | 113  | 415006   | 47.432  | ng    | 90       |
| 36) 4-Chloro-3-methylphenol   | 11.875 | 107  | 1467905  | 50.341  | ng    | 96       |
| 37) 2-Methylnaphthalene       | 12.251 | 142  | 2392362  | 42.602  | ng    | 99       |
| 38) 1-Methylnaphthalene       | 12.475 | 142  | 2231693  | 40.294  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 12.628 | 216  | 1197272  | 39.286  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 12.610 | 237  | 1047493  | 108.447 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 12.863 | 196  | 925136   | 54.648  | ng    | 100      |

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|-------------------------------|--------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 12.945 | 196  | 1001252  | 53.233  | ng    | 95       |
| 46) 1,1'-Biphenyl             | 13.275 | 154  | 2928590  | 39.796  | ng    | 97       |
| 47) 2-Chloronaphthalene       | 13.316 | 162  | 2422354  | 42.280  | ng    | 99       |
| 48) 2-Nitroaniline            | 13.510 | 65   | 855436   | 52.708  | ng    | # 86     |
| 49) Acenaphthylene            | 14.169 | 152  | 4012822  | 47.645  | ng    | 99       |
| 50) Dimethylphthalate         | 13.904 | 163  | 3210075  | 46.084  | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 14.016 | 165  | 708246   | 50.199  | ng    | 91       |
| 52) Acenaphthene              | 14.516 | 154  | 2768369m | 50.095  | ng    |          |
| 53) 3-Nitroaniline            | 14.345 | 138  | 597584   | 43.648  | ng    | # 89     |
| 54) 2,4-Dinitrophenol         | 14.551 | 184  | 767324   | 122.237 | ng    | 90       |
| 55) Dibenzofuran              | 14.857 | 168  | 3801272  | 44.715  | ng    | 99       |
| 56) 4-Nitrophenol             | 14.663 | 139  | 1304945  | 110.865 | ng    | # 86     |
| 57) 2,4-Dinitrotoluene        | 14.810 | 165  | 1009571  | 55.596  | ng    | 88       |
| 58) Fluorene                  | 15.510 | 166  | 3022535  | 43.279  | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.081 | 232  | 909332   | 56.959  | ng    | 99       |
| 60) Diethylphthalate          | 15.292 | 149  | 3302718  | 46.211  | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 15.516 | 204  | 1533021  | 42.466  | ng    | 100      |
| 62) 4-Nitroaniline            | 15.528 | 138  | 734847   | 51.518  | ng    | 95       |
| 63) Azobenzene                | 15.810 | 77   | 3533192  | 40.216  | ng    | 96       |
| 65) 4,6-Dinitro-2-methylph... | 15.592 | 198  | 542870   | 68.095  | ng    | 95       |
| 66) n-Nitrosodiphenylamine    | 15.728 | 169  | 2701126  | 44.065  | ng    | 100      |
| 67) 4-Bromophenyl-phenylether | 16.428 | 248  | 1030332  | 42.560  | ng    | 97       |
| 68) Hexachlorobenzene         | 16.551 | 284  | 1207612  | 42.211  | ng    | 98       |
| 69) Atrazine                  | 16.710 | 200  | 854121   | 40.584  | ng    | 99       |
| 70) Pentachlorophenol         | 16.898 | 266  | 1601782  | 102.580 | ng    | 99       |
| 71) Phenanthrene              | 17.304 | 178  | 4932533  | 44.839  | ng    | 100      |
| 72) Anthracene                | 17.398 | 178  | 4842423  | 44.885  | ng    | 100      |
| 73) Carbazole                 | 17.675 | 167  | 4690439  | 45.113  | ng    | 99       |
| 74) Di-n-butylphthalate       | 18.280 | 149  | 5906986  | 46.261  | ng    | 100      |
| 75) Fluoranthene              | 19.392 | 202  | 5895234  | 43.676  | ng    | 100      |
| 77) Benzidine                 | 19.580 | 184  | 1160465  | 23.491  | ng    | 100      |
| 78) Pyrene                    | 19.769 | 202  | 6232922  | 44.032  | ng    | 100      |
| 80) Butylbenzylphthalate      | 20.722 | 149  | 2738466  | 50.749  | ng    | 90       |
| 81) Benzo(a)anthracene        | 21.710 | 228  | 6325234  | 46.525  | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 21.627 | 252  | 1898042  | 43.543  | ng    | 100      |
| 83) Chrysene                  | 21.780 | 228  | 5948120  | 46.339  | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 21.657 | 149  | 4155968  | 51.721  | ng    | 99       |
| 85) Di-n-octyl phthalate      | 22.986 | 149  | 7331332  | 51.543  | ng    | 97       |
| 87) Indeno(1,2,3-cd)pyrene    | 29.098 | 276  | 8344945m | 52.697  | ng    |          |
| 88) Benzo(b)fluoranthene      | 24.086 | 252  | 6859212  | 48.887  | ng    | 100      |
| 89) Benzo(k)fluoranthene      | 24.157 | 252  | 6722130  | 49.113  | ng    | 99       |
| 90) Benzo(a)pyrene            | 25.027 | 252  | 6384870  | 52.439  | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 29.186 | 278  | 6839639  | 51.982  | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 30.321 | 276  | 6566648  | 49.793  | ng    | 99       |

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

