

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP060424\  
 Data File : BP020506.D  
 Acq On : 04 Jun 2024 21:55  
 Operator : MA/JU  
 Sample : P2687-01MSD  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

## Instrument :

BNA\_P

## ClientSampleId :

VNJ-223MSD

## Manual Integrations

## APPROVED

Reviewed By :Jagrut  
Upadhyay

06/05/2024

Supervised By :mohammad  
ahmed

06/06/2024

Quant Time: Jun 05 01:26:01 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP052924.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu May 30 03:41:03 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.763  | 152  | 291626   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.540 | 136  | 1178721  | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.387 | 164  | 738075   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.198 | 188  | 1561255  | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.657 | 240  | 1331634  | 20.000  | ng    | -0.01    |
| 86) Perylene-d12              | 25.004 | 264  | 1561409  | 20.000  | ng    | -0.02    |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.381  | 112  | 1440282  | 88.427  | ng    | 0.00     |
| 7) Phenol-d6                  | 6.934  | 99   | 1962068  | 85.419  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 8.910  | 82   | 1176443  | 54.634  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 15.898 | 330  | 757709   | 98.920  | ng    | -0.01    |
| 45) 2-Fluorobiphenyl          | 13.004 | 172  | 2750666  | 55.557  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.933 | 244  | 4357345  | 54.473  | ng    | -0.01    |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.328  | 88   | 266835   | 40.545  | ng    | 97       |
| 3) Pyridine                   | 3.716  | 79   | 712375   | 38.499  | ng    | 97       |
| 4) n-Nitrosodimethylamine     | 3.634  | 42   | 393110   | 43.739  | ng    | 98       |
| 6) Aniline                    | 7.105  | 93   | 759513   | 32.632  | ng    | 99       |
| 8) 2-Chlorophenol             | 7.334  | 128  | 937112   | 51.324  | ng    | 98       |
| 9) Benzaldehyde               | 6.916  | 77   | 112039m  | 7.604   | ng    |          |
| 10) Phenol                    | 6.957  | 94   | 1174781  | 49.930  | ng    | 98       |
| 11) bis(2-Chloroethyl)ether   | 7.193  | 93   | 857065   | 44.170  | ng    | 98       |
| 12) 1,3-Dichlorobenzene       | 7.652  | 146  | 987285   | 45.894  | ng    | 97       |
| 13) 1,4-Dichlorobenzene       | 7.799  | 146  | 1005517  | 45.989  | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 8.116  | 146  | 963861   | 45.678  | ng    | 99       |
| 15) Benzyl Alcohol            | 7.999  | 79   | 820340   | 48.349  | ng    | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.275  | 45   | 1231517  | 42.511  | ng    | 100      |
| 17) 2-Methylphenol            | 8.193  | 107  | 774920   | 48.533  | ng    | 100      |
| 18) Hexachloroethane          | 8.834  | 117  | 362575   | 45.414  | ng    | 96       |
| 19) n-Nitroso-di-n-propyla... | 8.557  | 70   | 664481   | 42.375  | ng    | 97       |
| 20) 3+4-Methylphenols         | 8.516  | 107  | 1047904  | 48.253  | ng    | 99       |
| 22) Acetophenone              | 8.575  | 105  | 1335293  | 45.638  | ng    | # 99     |
| 24) Nitrobenzene              | 8.946  | 77   | 966617   | 44.232  | ng    | 99       |
| 25) Isophorone                | 9.475  | 82   | 1854592  | 44.329  | ng    | 99       |
| 26) 2-Nitrophenol             | 9.651  | 139  | 443494   | 51.041  | ng    | 98       |
| 27) 2,4-Dimethylphenol        | 9.704  | 122  | 655909   | 51.894  | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 9.951  | 93   | 1133303  | 44.072  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 10.181 | 162  | 875771   | 51.647  | ng    | 98       |
| 30) 1,2,4-Trichlorobenzene    | 10.393 | 180  | 929949   | 46.195  | ng    | 98       |
| 31) Naphthalene               | 10.587 | 128  | 2711240  | 44.994  | ng    | 99       |
| 32) Benzoic acid              | 9.851  | 122  | 593407   | 49.216  | ng    | 97       |
| 33) 4-Chloroaniline           | 10.687 | 127  | 521876   | 22.388  | ng    | 99       |
| 34) Hexachlorobutadiene       | 10.863 | 225  | 574223   | 45.283  | ng    | 99       |
| 35) Caprolactam               | 11.469 | 113  | 294063m  | 47.322  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 11.804 | 107  | 948691   | 47.784  | ng    | 100      |
| 37) 2-Methylnaphthalene       | 12.181 | 142  | 1904068  | 44.098  | ng    | 99       |
| 38) 1-Methylnaphthalene       | 12.422 | 142  | 1782258  | 41.639  | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 12.551 | 216  | 1065529  | 49.896  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 12.528 | 237  | 982167   | 130.866 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 12.792 | 196  | 705189   | 54.630  | ng    | 98       |

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|-------------------------------|--------|------|----------|---------|-------|----------|-----|
| 44) 2,4,5-Trichlorophenol     | 12.863 | 196  | 756956   | 50.829  | ng    | #        | 97  |
| 46) 1,1'-Biphenyl             | 13.204 | 154  | 2478455  | 47.582  | ng    |          | 100 |
| 47) 2-Chloronaphthalene       | 13.245 | 162  | 1932296  | 46.664  | ng    |          | 99  |
| 48) 2-Nitroaniline            | 13.451 | 65   | 580825   | 51.764  | ng    |          | 99  |
| 49) Acenaphthylene            | 14.110 | 152  | 3188621  | 51.895  | ng    |          | 100 |
| 50) Dimethylphthalate         | 13.851 | 163  | 2382318  | 45.791  | ng    |          | 100 |
| 51) 2,6-Dinitrotoluene        | 13.957 | 165  | 528897   | 47.561  | ng    |          | 98  |
| 52) Acenaphthene              | 14.451 | 154  | 1847567  | 47.669  | ng    |          | 100 |
| 53) 3-Nitroaniline            | 14.292 | 138  | 423119   | 37.932  | ng    |          | 98  |
| 54) 2,4-Dinitrophenol         | 14.504 | 184  | 474157   | 90.540  | ng    |          | 96  |
| 55) Dibenzofuran              | 14.792 | 168  | 2949209  | 48.035  | ng    |          | 98  |
| 56) 4-Nitrophenol             | 14.604 | 139  | 970708   | 112.499 | ng    |          | 94  |
| 57) 2,4-Dinitrotoluene        | 14.751 | 165  | 733561   | 50.195  | ng    |          | 98  |
| 58) Fluorene                  | 15.451 | 166  | 2329448  | 47.261  | ng    |          | 99  |
| 59) 2,3,4,6-Tetrachlorophenol | 15.016 | 232  | 658593   | 54.040  | ng    |          | 98  |
| 60) Diethylphthalate          | 15.239 | 149  | 2414254  | 45.650  | ng    |          | 99  |
| 61) 4-Chlorophenyl-phenyle... | 15.451 | 204  | 1154547  | 45.393  | ng    |          | 98  |
| 62) 4-Nitroaniline            | 15.475 | 138  | 561054   | 48.828  | ng    |          | 99  |
| 63) Azobenzene                | 15.751 | 77   | 2222345  | 45.002  | ng    |          | 96  |
| 65) 4,6-Dinitro-2-methylph... | 15.528 | 198  | 343514   | 49.368  | ng    |          | 100 |
| 66) n-Nitrosodiphenylamine    | 15.675 | 169  | 2063650  | 48.077  | ng    |          | 99  |
| 67) 4-Bromophenyl-phenylether | 16.369 | 248  | 755414   | 47.294  | ng    |          | 98  |
| 68) Hexachlorobenzene         | 16.469 | 284  | 873965   | 46.492  | ng    |          | 98  |
| 69) Atrazine                  | 16.663 | 200  | 780660   | 51.695  | ng    |          | 99  |
| 70) Pentachlorophenol         | 16.828 | 266  | 1122257  | 98.296  | ng    |          | 100 |
| 71) Phenanthrene              | 17.239 | 178  | 4890299  | 63.720  | ng    |          | 99  |
| 72) Anthracene                | 17.333 | 178  | 3816089  | 50.673  | ng    |          | 100 |
| 73) Carbazole                 | 17.616 | 167  | 3612576  | 49.592  | ng    |          | 100 |
| 74) Di-n-butylphthalate       | 18.222 | 149  | 4205843  | 47.677  | ng    |          | 100 |
| 75) Fluoranthene              | 19.333 | 202  | 6653016  | 73.275  | ng    |          | 99  |
| 77) Benzidine                 | 19.527 | 184  | 1678608  | 37.017  | ng    |          | 99  |
| 78) Pyrene                    | 19.710 | 202  | 6375055  | 63.647  | ng    |          | 99  |
| 80) Butylbenzylphthalate      | 20.674 | 149  | 1821653  | 45.304  | ng    |          | 95  |
| 81) Benzo(a)anthracene        | 21.639 | 228  | 5318035  | 60.653  | ng    |          | 99  |
| 82) 3,3'-Dichlorobenzidine    | 21.563 | 252  | 1106630  | 42.458  | ng    |          | 99  |
| 83) Chrysene                  | 21.710 | 228  | 5099448  | 61.722  | ng    |          | 99  |
| 84) Bis(2-ethylhexyl)phtha... | 21.592 | 149  | 2737227  | 48.017  | ng    |          | 98  |
| 85) Di-n-octyl phthalate      | 22.892 | 149  | 4785227  | 57.755  | ng    |          | 98  |
| 87) Indeno(1,2,3-cd)pyrene    | 28.833 | 276  | 6004417m | 63.239  | ng    |          |     |
| 88) Benzo(b)fluoranthene      | 23.957 | 252  | 5945120  | 61.118  | ng    |          | 99  |
| 89) Benzo(k)fluoranthene      | 24.027 | 252  | 4830616  | 50.917  | ng    |          | 99  |
| 90) Benzo(a)pyrene            | 24.845 | 252  | 5122528  | 63.587  | ng    |          | 99  |
| 91) Dibenzo(a,h)anthracene    | 28.915 | 278  | 4368315  | 55.159  | ng    |          | 98  |
| 92) Benzo(g,h,i)perylene      | 29.992 | 276  | 4762143  | 60.159  | ng    |          | 97  |

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

