

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP110321\  
 Data File : BP007819.D  
 Acq On : 03 Nov 2021 13:00  
 Operator : CG/JU  
 Sample : PB140433BSD  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 PB140433BSD

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 11/03/2021  
 Supervised By :mohammad ahmed 11/08/2021

Quant Time: Nov 03 13:40:50 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP110221.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Nov 02 19:18:55 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.922  | 152  | 155751   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.728 | 136  | 716653   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.569 | 164  | 518728   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.322 | 188  | 1167272  | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.421 | 240  | 1327284  | 20.00  | ng    | 0.00     |
| 86) Perylene-d12              | 23.857 | 264  | 1519925  | 20.00  | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.499  | 112  | 1297647  | 141.30 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.093  | 99   | 1725006  | 129.77 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.087  | 82   | 1064195  | 79.77  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.063 | 330  | 897680   | 121.26 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.193 | 172  | 2743094  | 77.01  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.886 | 244  | 5193761  | 79.68  | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.387  | 88   | 104555   | 32.17  | ng    | 99       |
| 3) Pyridine                   | 3.787  | 79   | 316192m  | 31.03  | ng    |          |
| 4) n-Nitrosodimethylamine     | 3.693  | 42   | 188167   | 43.18  | ng    | # 96     |
| 6) Aniline                    | 7.246  | 93   | 712411   | 47.58  | ng    | 99       |
| 8) 2-Chlorophenol             | 7.487  | 128  | 491966   | 48.61  | ng    | 98       |
| 9) Benzaldehyde               | 7.058  | 77   | 300557   | 41.58  | ng    | 97       |
| 10) Phenol                    | 7.122  | 94   | 638006   | 50.26  | ng    | 98       |
| 11) bis(2-Chloroethyl)ether   | 7.346  | 93   | 451660   | 44.58  | ng    | 97       |
| 12) 1,3-Dichlorobenzene       | 7.810  | 146  | 475833   | 42.27  | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 7.957  | 146  | 490017   | 42.61  | ng    | 100      |
| 14) 1,2-Dichlorobenzene       | 8.275  | 146  | 482842   | 43.44  | ng    | 97       |
| 15) Benzyl Alcohol            | 8.163  | 79   | 478307   | 47.53  | ng    | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.463  | 45   | 546509   | 46.01  | ng    | 96       |
| 17) 2-Methylphenol            | 8.369  | 107  | 440841   | 50.22  | ng    | 100      |
| 18) Hexachloroethane          | 9.010  | 117  | 175912   | 44.23  | ng    | 93       |
| 19) n-Nitroso-di-n-propyla... | 8.740  | 70   | 370611   | 45.56  | ng    | 95       |
| 20) 3+4-Methylphenols         | 8.699  | 107  | 606157   | 49.09  | ng    | 98       |
| 22) Acetophenone              | 8.752  | 105  | 750718   | 41.57  | ng    | # 97     |
| 24) Nitrobenzene              | 9.128  | 77   | 545205   | 42.94  | ng    | 96       |
| 25) Isophorone                | 9.663  | 82   | 1049806  | 43.30  | ng    | 98       |
| 26) 2-Nitrophenol             | 9.840  | 139  | 275481   | 42.85  | ng    | 96       |
| 27) 2,4-Dimethylphenol        | 9.904  | 122  | 495502   | 50.15  | ng    | 96       |
| 28) bis(2-Chloroethoxy)met... | 10.140 | 93   | 651728   | 40.73  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 10.381 | 162  | 540847   | 45.53  | ng    | 97       |
| 30) 1,2,4-Trichlorobenzene    | 10.593 | 180  | 525978   | 39.81  | ng    | 97       |
| 31) Naphthalene               | 10.781 | 128  | 1492229  | 41.16  | ng    | 99       |
| 32) Benzoic acid              | 10.057 | 122  | 372277   | 43.71  | ng    | 97       |
| 33) 4-Chloroaniline           | 10.887 | 127  | 666214   | 41.72  | ng    | 99       |
| 34) Hexachlorobutadiene       | 11.075 | 225  | 339157   | 39.10  | ng    | 99       |
| 35) Caprolactam               | 11.681 | 113  | 198256m  | 47.81  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 12.022 | 107  | 619373   | 46.15  | ng    | 99       |
| 37) 2-Methylnaphthalene       | 12.393 | 142  | 1169109  | 43.72  | ng    | 98       |
| 38) 1-Methylnaphthalene       | 12.610 | 142  | 1091834  | 41.67  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 12.763 | 216  | 647289   | 39.81  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 12.745 | 237  | 809907   | 92.99  | ng    | 98       |
| 43) 2,4,6-Trichlorophenol     | 12.998 | 196  | 477250   | 42.02  | ng    | 98       |

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|-------------------------------|--------|------|----------|-------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 13.069 | 196  | 539447   | 43.84 | ng    | 98       |
| 46) 1,1'-Biphenyl             | 13.398 | 154  | 1491335  | 39.82 | ng    | 98       |
| 47) 2-Chloronaphthalene       | 13.440 | 162  | 1192703  | 40.98 | ng    | 98       |
| 48) 2-Nitroaniline            | 13.645 | 65   | 392489   | 46.87 | ng    | 95       |
| 49) Acenaphthylene            | 14.287 | 152  | 1983623  | 43.40 | ng    | 98       |
| 50) Dimethylphthalate         | 14.028 | 163  | 1733046  | 43.29 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 14.140 | 165  | 382275   | 46.17 | ng    | 99       |
| 52) Acenaphthene              | 14.634 | 154  | 1145432  | 41.49 | ng    | 99       |
| 53) 3-Nitroaniline            | 14.469 | 138  | 380910   | 43.12 | ng    | # 96     |
| 54) 2,4-Dinitrophenol         | 14.681 | 184  | 473133   | 92.95 | ng    | 92       |
| 55) Dibenzofuran              | 14.969 | 168  | 1855913  | 39.74 | ng    | 99       |
| 56) 4-Nitrophenol             | 14.787 | 139  | 667884   | 89.02 | ng    | 93       |
| 57) 2,4-Dinitrotoluene        | 14.934 | 165  | 524599   | 46.02 | ng    | 88       |
| 58) Fluorene                  | 15.622 | 166  | 1489361  | 42.05 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.198 | 232  | 468931m  | 42.34 | ng    |          |
| 60) Diethylphthalate          | 15.398 | 149  | 1680582  | 43.24 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 15.616 | 204  | 783599   | 40.50 | ng    | 97       |
| 62) 4-Nitroaniline            | 15.639 | 138  | 401289   | 44.73 | ng    | 96       |
| 63) Azobenzene                | 15.910 | 77   | 1428201  | 43.53 | ng    | 98       |
| 65) 4,6-Dinitro-2-methylph... | 15.698 | 198  | 305050   | 39.91 | ng    | 94       |
| 66) n-Nitrosodiphenylamine    | 15.828 | 169  | 1378360  | 41.48 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 16.510 | 248  | 526378   | 40.73 | ng    | 99       |
| 68) Hexachlorobenzene         | 16.634 | 284  | 594823   | 41.25 | ng    | 94       |
| 69) Atrazine                  | 16.792 | 200  | 588123   | 46.22 | ng    | 98       |
| 70) Pentachlorophenol         | 16.975 | 266  | 830821   | 89.58 | ng    | 98       |
| 71) Phenanthrene              | 17.369 | 178  | 2596382  | 42.31 | ng    | 100      |
| 72) Anthracene                | 17.457 | 178  | 2658615  | 44.03 | ng    | 99       |
| 73) Carbazole                 | 17.728 | 167  | 2480198  | 41.32 | ng    | 99       |
| 74) Di-n-butylphthalate       | 18.286 | 149  | 3006691  | 43.98 | ng    | 100      |
| 75) Fluoranthene              | 19.333 | 202  | 3375774  | 43.61 | ng    | 98       |
| 77) Benzidine                 | 19.516 | 184  | 3088253  | 92.32 | ng    | 98       |
| 78) Pyrene                    | 19.686 | 202  | 3477785  | 42.72 | ng    | 99       |
| 80) Butylbenzylphthalate      | 20.563 | 149  | 1508180  | 44.08 | ng    | 99       |
| 81) Benzo(a)anthracene        | 21.404 | 228  | 3653604  | 41.78 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 21.333 | 252  | 1401045  | 47.71 | ng    | 98       |
| 83) Chrysene                  | 21.457 | 228  | 3567186  | 43.09 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 21.333 | 149  | 2184956  | 44.53 | ng    | # 97     |
| 85) Di-n-octyl phthalate      | 22.274 | 149  | 4095101  | 46.39 | ng    | 97       |
| 87) Indeno(1,2,3-cd)pyrene    | 26.421 | 276  | 5151491  | 45.47 | ng    | 96       |
| 88) Benzo(b)fluoranthene      | 23.116 | 252  | 4170011  | 46.54 | ng    | 98       |
| 89) Benzo(k)fluoranthene      | 23.168 | 252  | 4024160  | 45.25 | ng    | 98       |
| 90) Benzo(a)pyrene            | 23.757 | 252  | 4111454  | 53.00 | ng    | 98       |
| 91) Dibenzo(a,h)anthracene    | 26.439 | 278  | 4338677  | 46.20 | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 27.209 | 276  | 4361624  | 46.82 | ng    | 97       |

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

