

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP020322\  
 Data File : BP009021.D  
 Acq On : 03 Feb 2022 10:30  
 Operator : CG/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SSTDCCC040

Manual Integrations  
 APPROVED

Reviewed By : Christian  
 Giraldo

Quant Time: Feb 03 13:29:18 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP011422.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Feb 03 06:20:22 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.822  | 152  | 308562   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.622 | 136  | 1204357  | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.463 | 164  | 774766   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.222 | 188  | 1533171  | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 21.316 | 240  | 1169659  | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 23.716 | 264  | 1056747  | 20.000 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.411  | 112  | 1561249  | 78.245 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.011  | 99   | 1970877  | 81.568 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 8.987  | 82   | 1756100  | 82.783 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 15.963 | 330  | 942868   | 83.606 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.087 | 172  | 4331187  | 73.722 | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.781 | 244  | 6104036  | 88.088 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.323  | 88   | 230154   | 28.498 | ng    | 95       |
| 3) Pyridine                   | 3.723  | 79   | 560426   | 33.132 | ng    | 97       |
| 4) n-Nitrosodimethylamine     | 3.634  | 42   | 266891   | 33.630 | ng    | 89       |
| 6) Aniline                    | 7.152  | 93   | 1240574  | 41.136 | ng    | 98       |
| 8) 2-Chlorophenol             | 7.393  | 128  | 867908   | 40.841 | ng    | 99       |
| 9) Benzaldehyde               | 6.964  | 77   | 610066   | 37.777 | ng    | 97       |
| 10) Phenol                    | 7.034  | 94   | 1003892  | 40.754 | ng    | 96       |
| 11) bis(2-Chloroethyl)ether   | 7.246  | 93   | 800238   | 40.830 | ng    | 97       |
| 12) 1,3-Dichlorobenzene       | 7.711  | 146  | 987466   | 39.020 | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 7.858  | 146  | 993718   | 38.744 | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 8.175  | 146  | 967625   | 39.566 | ng    | 99       |
| 15) Benzyl Alcohol            | 8.069  | 79   | 714963   | 42.178 | ng    | 97       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.352  | 45   | 912624   | 41.638 | ng    | 99       |
| 17) 2-Methylphenol            | 8.281  | 107  | 680494   | 41.235 | ng    | 97       |
| 18) Hexachloroethane          | 8.899  | 117  | 347817   | 39.955 | ng    | 97       |
| 19) n-Nitroso-di-n-propyla... | 8.634  | 70   | 597684   | 42.316 | ng    | 96       |
| 20) 3+4-Methylphenols         | 8.611  | 107  | 924773   | 42.212 | ng    | 98       |
| 22) Acetophenone              | 8.652  | 105  | 1230552  | 40.109 | ng    | # 96     |
| 24) Nitrobenzene              | 9.028  | 77   | 888228   | 41.452 | ng    | 97       |
| 25) Isophorone                | 9.558  | 82   | 1639391  | 42.763 | ng    | 98       |
| 26) 2-Nitrophenol             | 9.740  | 139  | 487583   | 43.283 | ng    | 95       |
| 27) 2,4-Dimethylphenol        | 9.810  | 122  | 793200   | 41.297 | ng    | 98       |
| 28) bis(2-Chloroethoxy)met... | 10.034 | 93   | 1039256  | 41.543 | ng    | 100      |
| 29) 2,4-Dichlorophenol        | 10.281 | 162  | 855291   | 40.806 | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 10.487 | 180  | 967987   | 39.427 | ng    | 98       |
| 31) Naphthalene               | 10.669 | 128  | 2597960  | 39.716 | ng    | 100      |
| 32) Benzoic acid              | 10.005 | 122  | 485283   | 44.025 | ng    | 99       |
| 33) 4-Chloroaniline           | 10.787 | 127  | 1105379  | 41.468 | ng    | 99       |
| 34) Hexachlorobutadiene       | 10.957 | 225  | 603285   | 39.329 | ng    | 99       |
| 35) Caprolactam               | 11.610 | 113  | 260393   | 45.067 | ng    | 94       |
| 36) 4-Chloro-3-methylphenol   | 11.928 | 107  | 809691   | 42.820 | ng    | 97       |
| 37) 2-Methylnaphthalene       | 12.287 | 142  | 1923815  | 40.231 | ng    | 97       |
| 38) 1-Methylnaphthalene       | 12.504 | 142  | 1764030  | 40.190 | ng    | 98       |
| 40) 1,2,4,5-Tetrachloroben... | 12.657 | 216  | 1080364  | 38.245 | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 12.634 | 237  | 537996   | 37.220 | ng    | 100      |
| 43) 2,4,6-Trichlorophenol     | 12.904 | 196  | 710360   | 40.671 | ng    | 98       |

02/04/2022  
 Supervised By : mohammad  
 Ghamed

02/10/2022

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Reviewed By : Christian  
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 QLast Update : Thu Feb 03 06:20:22 2022  
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| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |                         |
|-------------------------------|--------|------|----------|--------|-------|----------|-------------------------|
| 44) 2,4,5-Trichlorophenol     | 12.987 | 196  | 773911   | 41.169 | ng    | 97       | 02/04/2022              |
| 46) 1,1'-Biphenyl             | 13.299 | 154  | 2441296  | 38.729 | ng    | 97       | Supervised By :mohammad |
| 47) 2-Chloronaphthalene       | 13.340 | 162  | 1886308  | 38.809 | ng    | 98       | ahmed                   |
| 48) 2-Nitroaniline            | 13.551 | 65   | 478413   | 44.330 | ng    | 95       |                         |
| 49) Acenaphthylene            | 14.187 | 152  | 2947280  | 40.136 | ng    | 100      |                         |
| 50) Dimethylphthalate         | 13.928 | 163  | 2333410  | 40.552 | ng    | 99       |                         |
| 51) 2,6-Dinitrotoluene        | 14.046 | 165  | 522792   | 42.839 | ng    | 90       | 02/10/2022              |
| 52) Acenaphthene              | 14.528 | 154  | 1743231  | 40.025 | ng    | 98       |                         |
| 53) 3-Nitroaniline            | 14.381 | 138  | 522457   | 43.531 | ng    | 99       |                         |
| 54) 2,4-Dinitrophenol         | 14.604 | 184  | 193711   | 39.249 | ng    | 94       |                         |
| 55) Dibenzofuran              | 14.863 | 168  | 2773419  | 39.079 | ng    | 98       |                         |
| 56) 4-Nitrophenol             | 14.716 | 139  | 334583   | 38.714 | ng    | 88       |                         |
| 57) 2,4-Dinitrotoluene        | 14.845 | 165  | 696668   | 44.382 | ng    | # 91     |                         |
| 58) Fluorene                  | 15.516 | 166  | 2210921  | 39.442 | ng    | 100      |                         |
| 59) 2,3,4,6-Tetrachlorophenol | 15.098 | 232  | 651561m  | 42.077 | ng    |          |                         |
| 60) Diethylphthalate          | 15.293 | 149  | 2240924  | 41.045 | ng    | 100      |                         |
| 61) 4-Chlorophenyl-phenyle... | 15.510 | 204  | 1206647  | 39.516 | ng    | 100      |                         |
| 62) 4-Nitroaniline            | 15.545 | 138  | 499629   | 42.984 | ng    | 89       |                         |
| 63) Azobenzene                | 15.804 | 77   | 1958918  | 43.216 | ng    | 95       |                         |
| 65) 4,6-Dinitro-2-methylph... | 15.616 | 198  | 327258   | 42.724 | ng    | 96       |                         |
| 66) n-Nitrosodiphenylamine    | 15.728 | 169  | 1981852  | 40.164 | ng    | 99       |                         |
| 67) 4-Bromophenyl-phenylether | 16.404 | 248  | 763121   | 39.861 | ng    | 97       |                         |
| 68) Hexachlorobenzene         | 16.528 | 284  | 871780   | 39.738 | ng    | 98       |                         |
| 69) Atrazine                  | 16.687 | 200  | 772814   | 42.145 | ng    | 99       |                         |
| 70) Pentachlorophenol         | 16.881 | 266  | 471073   | 40.312 | ng    | 99       |                         |
| 71) Phenanthrene              | 17.263 | 178  | 3348873  | 38.795 | ng    | 100      |                         |
| 72) Anthracene                | 17.357 | 178  | 3511079  | 40.546 | ng    | 99       |                         |
| 73) Carbazole                 | 17.628 | 167  | 3034133  | 40.749 | ng    | 99       |                         |
| 74) Di-n-butylphthalate       | 18.181 | 149  | 3635422  | 40.571 | ng    | 99       |                         |
| 75) Fluoranthene              | 19.233 | 202  | 3736194  | 38.921 | ng    | 96       |                         |
| 77) Benzidine                 | 19.416 | 184  | 1818074  | 43.998 | ng    | 99       |                         |
| 78) Pyrene                    | 19.586 | 202  | 3834565  | 46.984 | ng    | 99       |                         |
| 80) Butylbenzylphthalate      | 20.457 | 149  | 1495809  | 45.571 | ng    | 97       |                         |
| 81) Benzo(a)anthracene        | 21.298 | 228  | 3279783  | 41.680 | ng    | 98       |                         |
| 82) 3,3'-Dichlorobenzidine    | 21.228 | 252  | 1324447  | 38.959 | ng    | 97       |                         |
| 83) Chrysene                  | 21.351 | 228  | 3039894  | 39.851 | ng    | 98       |                         |
| 84) Bis(2-ethylhexyl)phtha... | 21.222 | 149  | 2099395  | 41.301 | ng    | 98       |                         |
| 85) Di-n-octyl phthalate      | 22.145 | 149  | 3264065  | 37.959 | ng    | 99       |                         |
| 87) Indeno(1,2,3-cd)pyrene    | 26.233 | 276  | 3459318  | 39.727 | ng    | 97       |                         |
| 88) Benzo(b)fluoranthene      | 22.986 | 252  | 3087308  | 43.747 | ng    | 99       |                         |
| 89) Benzo(k)fluoranthene      | 23.033 | 252  | 2884799  | 42.229 | ng    | 97       |                         |
| 90) Benzo(a)pyrene            | 23.616 | 252  | 2871601  | 42.156 | ng    | 98       |                         |
| 91) Dibenzo(a,h)anthracene    | 26.245 | 278  | 2938400  | 39.684 | ng    | 98       |                         |
| 92) Benzo(g,h,i)perylene      | 27.004 | 276  | 2883063  | 39.880 | ng    | 97       |                         |

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

