

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP020822\  
 Data File : BP009052.D  
 Acq On : 08 Feb 2022 11:35  
 Operator : CG/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SSTDCCC040

Manual Integrations  
 APPROVED

Reviewed By : Christian Giraldo 02/09/2022  
 Supervised By : mohammad ahmed 02/15/2022

Quant Time: Feb 08 12:51:50 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP020722.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Feb 07 15:13:17 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.810  | 152  | 197072   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.610 | 136  | 794316   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.451 | 164  | 638186   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.210 | 188  | 1384582  | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 21.310 | 240  | 1172088  | 20.000 | ng    | 0.01     |
| 86) Perylene-d12              | 23.704 | 264  | 1101800  | 20.000 | ng    | 0.01     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.399  | 112  | 894907   | 81.003 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.993  | 99   | 1248104  | 85.737 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 8.975  | 82   | 1200315  | 85.218 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 15.951 | 330  | 802013   | 94.123 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.075 | 172  | 3513400  | 77.068 | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.774 | 244  | 5711808  | 87.636 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.305  | 88   | 160507   | 44.114 | ng    | 98       |
| 3) Pyridine                   | 3.705  | 79   | 454420   | 42.753 | ng    | 96       |
| 4) n-Nitrosodimethylamine     | 3.617  | 42   | 169974   | 41.744 | ng    | 85       |
| 6) Aniline                    | 7.140  | 93   | 712666   | 43.130 | ng    | 96       |
| 8) 2-Chlorophenol             | 7.375  | 128  | 528883   | 42.418 | ng    | 98       |
| 9) Benzaldehyde               | 6.952  | 77   | 305842   | 41.477 | ng    | 98       |
| 10) Phenol                    | 7.022  | 94   | 619935   | 42.356 | ng    | 94       |
| 11) bis(2-Chloroethyl)ether   | 7.234  | 93   | 475209   | 41.814 | ng    | 98       |
| 12) 1,3-Dichlorobenzene       | 7.699  | 146  | 600832   | 41.667 | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 7.846  | 146  | 614445   | 41.741 | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 8.163  | 146  | 598477   | 41.952 | ng    | 99       |
| 15) Benzyl Alcohol            | 8.057  | 79   | 462641   | 49.924 | ng    | 94       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.334  | 45   | 524403   | 40.939 | ng    | 98       |
| 17) 2-Methylphenol            | 8.263  | 107  | 439849   | 44.826 | ng    | 97       |
| 18) Hexachloroethane          | 8.881  | 117  | 204582   | 41.954 | ng    | 96       |
| 19) n-Nitroso-di-n-propyla... | 8.622  | 70   | 400403   | 48.038 | ng    | 98       |
| 20) 3+4-Methylphenols         | 8.599  | 107  | 620881   | 46.234 | ng    | 98       |
| 22) Acetophenone              | 8.634  | 105  | 804834   | 43.344 | ng    | # 96     |
| 24) Nitrobenzene              | 9.016  | 77   | 556570   | 41.800 | ng    | 98       |
| 25) Isophorone                | 9.546  | 82   | 1084249  | 46.331 | ng    | 98       |
| 26) 2-Nitrophenol             | 9.728  | 139  | 323946   | 47.040 | ng    | 91       |
| 27) 2,4-Dimethylphenol        | 9.799  | 122  | 454182   | 44.107 | ng    | 98       |
| 28) bis(2-Chloroethoxy)met... | 10.022 | 93   | 688027   | 43.314 | ng    | 100      |
| 29) 2,4-Dichlorophenol        | 10.269 | 162  | 586120   | 45.551 | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 10.475 | 180  | 652815   | 43.149 | ng    | 98       |
| 31) Naphthalene               | 10.657 | 128  | 1713514  | 42.295 | ng    | 100      |
| 32) Benzoic acid              | 9.993  | 122  | 411927   | 48.172 | ng    | 95       |
| 33) 4-Chloroaniline           | 10.775 | 127  | 742967   | 45.417 | ng    | 98       |
| 34) Hexachlorobutadiene       | 10.946 | 225  | 416495   | 44.751 | ng    | 99       |
| 35) Caprolactam               | 11.587 | 113  | 195209   | 51.738 | ng    | 97       |
| 36) 4-Chloro-3-methylphenol   | 11.916 | 107  | 601701   | 49.022 | ng    | 99       |
| 37) 2-Methylnaphthalene       | 12.275 | 142  | 1288103  | 44.930 | ng    | 98       |
| 38) 1-Methylnaphthalene       | 12.493 | 142  | 1249105  | 44.589 | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 12.645 | 216  | 775297   | 38.167 | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 12.622 | 237  | 251221   | 38.142 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 12.893 | 196  | 575129   | 42.695 | ng    | 98       |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP020822\  
 Data File : BP009052.D  
 Acq On : 08 Feb 2022 11:35  
 Operator : CG/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SSTDCCC040

Quant Time: Feb 08 12:51:50 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP020722.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Feb 07 15:13:17 2022  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By : Christian Giraldo 02/09/2022  
 Supervised By : mohammad ahmed 02/15/2022

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 12.975 | 196  | 669926   | 46.376 | ng    | 98       |
| 46) 1,1'-Biphenyl             | 13.287 | 154  | 1816939  | 38.750 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 13.328 | 162  | 1470360  | 39.464 | ng    | 99       |
| 48) 2-Nitroaniline            | 13.540 | 65   | 403444   | 46.731 | ng    | 96       |
| 49) Acenaphthylene            | 14.175 | 152  | 2403672  | 42.791 | ng    | 99       |
| 50) Dimethylphthalate         | 13.916 | 163  | 1984538  | 43.625 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 14.040 | 165  | 443587   | 46.754 | ng    | 98       |
| 52) Acenaphthene              | 14.516 | 154  | 1353195  | 39.593 | ng    | 98       |
| 53) 3-Nitroaniline            | 14.369 | 138  | 466277   | 48.049 | ng    | 97       |
| 54) 2,4-Dinitrophenol         | 14.592 | 184  | 261984   | 49.057 | ng    | 93       |
| 55) Dibenzofuran              | 14.851 | 168  | 2472438  | 42.938 | ng    | 98       |
| 56) 4-Nitrophenol             | 14.704 | 139  | 350161   | 48.082 | ng    | 90       |
| 57) 2,4-Dinitrotoluene        | 14.834 | 165  | 617110   | 49.805 | ng    | # 90     |
| 58) Fluorene                  | 15.504 | 166  | 1825681  | 41.270 | ng    | 98       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.092 | 232  | 592911m  | 46.901 | ng    |          |
| 60) Diethylphthalate          | 15.281 | 149  | 2015497  | 46.857 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 15.498 | 204  | 1008364  | 41.952 | ng    | 96       |
| 62) 4-Nitroaniline            | 15.539 | 138  | 483911   | 49.595 | ng    | 90       |
| 63) Azobenzene                | 15.792 | 77   | 1579647  | 42.445 | ng    | 96       |
| 65) 4,6-Dinitro-2-methylph... | 15.610 | 198  | 403424   | 47.478 | ng    | 97       |
| 66) n-Nitrosodiphenylamine    | 15.716 | 169  | 1671598  | 39.809 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 16.398 | 248  | 710248   | 44.266 | ng    | 98       |
| 68) Hexachlorobenzene         | 16.522 | 284  | 777305   | 43.249 | ng    | 100      |
| 69) Atrazine                  | 16.681 | 200  | 663871   | 47.679 | ng    | 99       |
| 70) Pentachlorophenol         | 16.869 | 266  | 476394   | 50.340 | ng    | 99       |
| 71) Phenanthrene              | 17.257 | 178  | 3217576  | 42.918 | ng    | 99       |
| 72) Anthracene                | 17.345 | 178  | 3128997  | 42.659 | ng    | 98       |
| 73) Carbazole                 | 17.622 | 167  | 3029022  | 43.081 | ng    | 100      |
| 74) Di-n-butylphthalate       | 18.169 | 149  | 3411059  | 47.882 | ng    | 99       |
| 75) Fluoranthene              | 19.227 | 202  | 3747119  | 44.595 | ng    | 97       |
| 77) Benzidine                 | 19.404 | 184  | 1466333  | 59.870 | ng    | 98       |
| 78) Pyrene                    | 19.580 | 202  | 3734864  | 44.794 | ng    | 97       |
| 80) Butylbenzylphthalate      | 20.451 | 149  | 1504498  | 52.477 | ng    | 95       |
| 81) Benzo(a)anthracene        | 21.292 | 228  | 3276209  | 43.375 | ng    | 98       |
| 82) 3,3'-Dichlorobenzidine    | 21.221 | 252  | 1228465  | 46.908 | ng    | 98       |
| 83) Chrysene                  | 21.345 | 228  | 3094550  | 42.499 | ng    | 97       |
| 84) Bis(2-ethylhexyl)phtha... | 21.216 | 149  | 1901835  | 50.149 | ng    | 98       |
| 85) Di-n-octyl phthalate      | 22.133 | 149  | 3238410  | 53.383 | ng    | 100      |
| 87) Indeno(1,2,3-cd)pyrene    | 26.221 | 276  | 2912706  | 35.579 | ng    | 96       |
| 88) Benzo(b)fluoranthene      | 22.974 | 252  | 2923868  | 43.107 | ng    | 98       |
| 89) Benzo(k)fluoranthene      | 23.027 | 252  | 3023849  | 44.684 | ng    | 98       |
| 90) Benzo(a)pyrene            | 23.604 | 252  | 2445546  | 43.246 | ng    | 98       |
| 91) Dibenzo(a,h)anthracene    | 26.227 | 278  | 2428839  | 36.102 | ng    | 97       |
| 92) Benzo(g,h,i)perylene      | 26.986 | 276  | 2326768  | 34.736 | ng    | 98       |

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

