

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG050422\  
 Data File : BG053430.D  
 Acq On : 4 May 2022 14:47  
 Operator : CG/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTDCCC040EC

Manual Integrations  
 APPROVED

Reviewed By :Christian  
 Giraldo

05/06/2022  
 Supervised By :mohammad  
 ahmed

Quant Time: May 04 18:10:04 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG040822.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed May 04 18:06:54 2022  
 Response via : Initial Calibration

| Compound                  | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|---------------------------|--------|------|----------|--------|-------|----------|
| -----                     |        |      |          |        |       |          |
| Internal Standards        |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4 | 8.099  | 152  | 34377    | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.913 | 136  | 138024   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 14.726 | 164  | 103439   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 17.469 | 188  | 252396   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12          | 21.757 | 240  | 258686   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12          | 25.047 | 264  | 276596   | 20.000 | ng    | 0.00     |

|                             |        |     |         |        |    |      |
|-----------------------------|--------|-----|---------|--------|----|------|
| System Monitoring Compounds |        |     |         |        |    |      |
| 5) 2-Fluorophenol           | 5.667  | 112 | 169926  | 84.732 | ng | 0.00 |
| 7) Phenol-d6                | 7.265  | 99  | 262626  | 84.921 | ng | 0.00 |
| 23) Nitrobenzene-d5         | 9.268  | 82  | 275587  | 81.071 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol    | 16.218 | 330 | 136271  | 82.806 | ng | 0.00 |
| 45) 2-Fluorobiphenyl        | 13.351 | 172 | 602243  | 80.283 | ng | 0.00 |
| 79) Terphenyl-d14           | 20.077 | 244 | 1174229 | 76.663 | ng | 0.00 |

|                               |        |     |         |        |    |        |
|-------------------------------|--------|-----|---------|--------|----|--------|
| Target Compounds              |        |     |         |        |    | Qvalue |
| 2) 1,4-Dioxane                | 3.552  | 88  | 42327   | 44.196 | ng | 96     |
| 3) Pyridine                   | 3.952  | 79  | 112626  | 44.588 | ng | # 88   |
| 4) n-Nitrosodimethylamine     | 3.864  | 42  | 56805   | 45.413 | ng | 91     |
| 6) Aniline                    | 7.424  | 93  | 147376  | 41.119 | ng | 96     |
| 8) 2-Chlorophenol             | 7.670  | 128 | 88837   | 41.032 | ng | 95     |
| 9) Benzaldehyde               | 7.236  | 77  | 73116m  | 39.552 | ng |        |
| 10) Phenol                    | 7.289  | 94  | 129677  | 42.125 | ng | 87     |
| 11) bis(2-Chloroethyl)ether   | 7.512  | 93  | 94358   | 42.522 | ng | 93     |
| 12) 1,3-Dichlorobenzene       | 7.993  | 146 | 103534m | 41.153 | ng |        |
| 13) 1,4-Dichlorobenzene       | 8.134  | 146 | 107440  | 41.890 | ng | 98     |
| 14) 1,2-Dichlorobenzene       | 8.458  | 146 | 100526  | 40.644 | ng | 98     |
| 15) Benzyl Alcohol            | 8.340  | 79  | 112405  | 40.891 | ng | 98     |
| 16) 2,2'-oxybis(1-Chloropr... | 8.628  | 45  | 154849  | 41.797 | ng | 97     |
| 17) 2-Methylphenol            | 8.546  | 107 | 87836   | 42.165 | ng | 94     |
| 18) Hexachloroethane          | 9.186  | 117 | 38426   | 39.952 | ng | 94     |
| 19) n-Nitroso-di-n-propyla... | 8.904  | 70  | 90938   | 40.165 | ng | # 96   |
| 20) 3+4-Methylphenols         | 8.875  | 107 | 124324  | 42.277 | ng | 95     |
| 22) Acetophenone              | 8.922  | 105 | 155925  | 40.720 | ng | 96     |
| 24) Nitrobenzene              | 9.309  | 77  | 135424  | 40.958 | ng | 91     |
| 25) Isophorone                | 9.826  | 82  | 237611  | 41.125 | ng | 97     |
| 26) 2-Nitrophenol             | 10.020 | 139 | 56310   | 40.727 | ng | # 88   |
| 27) 2,4-Dimethylphenol        | 10.079 | 122 | 82826   | 41.828 | ng | 92     |
| 28) bis(2-Chloroethoxy)met... | 10.308 | 93  | 134597  | 41.465 | ng | 99     |
| 29) 2,4-Dichlorophenol        | 10.561 | 162 | 105815  | 42.508 | ng | 94     |
| 30) 1,2,4-Trichlorobenzene    | 10.778 | 180 | 115822  | 41.110 | ng | 98     |
| 31) Naphthalene               | 10.966 | 128 | 302567  | 41.088 | ng | 99     |
| 32) Benzoic acid              | 10.249 | 122 | 53898   | 42.291 | ng | 92     |
| 33) 4-Chloroaniline           | 11.066 | 127 | 127605  | 40.465 | ng | 94     |
| 34) Hexachlorobutadiene       | 11.248 | 225 | 85586   | 40.895 | ng | 99     |
| 35) Caprolactam               | 11.853 | 113 | 37029   | 42.201 | ng | # 72   |
| 36) 4-Chloro-3-methylphenol   | 12.188 | 107 | 118806  | 40.995 | ng | 94     |
| 37) 2-Methylnaphthalene       | 12.564 | 142 | 218293  | 40.062 | ng | 97     |
| 38) 1-Methylnaphthalene       | 12.781 | 142 | 216374m | 40.681 | ng |        |
| 40) 1,2,4,5-Tetrachloroben... | 12.928 | 216 | 143800  | 40.932 | ng | 99     |
| 41) Hexachlorocyclopentadiene | 12.910 | 237 | 66753   | 36.808 | ng | 97     |
| 43) 2,4,6-Trichlorophenol     | 13.169 | 196 | 98338   | 40.599 | ng | 95     |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG050422\  
 Data File : BG053430.D  
 Acq On : 4 May 2022 14:47  
 Operator : CG/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTDCCC040EC

Manual Integrations  
 APPROVED

Reviewed By :Christian  
 Giraldo

05/06/2022  
 Supervised By :mohammad  
 ahmed

Quant Time: May 04 18:10:04 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG040822.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed May 04 18:06:54 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |    |
|-------------------------------|--------|------|----------|--------|-------|----------|----|
| 44) 2,4,5-Trichlorophenol     | 13.245 | 196  | 102838   | 39.842 | ng    | 98       |    |
| 46) 1,1'-Biphenyl             | 13.562 | 154  | 304608   | 40.892 | ng    | 97       |    |
| 47) 2-Chloronaphthalene       | 13.609 | 162  | 239577   | 40.313 | ng    | 97       |    |
| 48) 2-Nitroaniline            | 13.809 | 65   | 95077    | 42.156 | ng    | 92       |    |
| 49) Acenaphthylene            | 14.449 | 152  | 386443   | 41.539 | ng    | 99       |    |
| 50) Dimethylphthalate         | 14.173 | 163  | 339490   | 41.034 | ng    | 99       |    |
| 51) 2,6-Dinitrotoluene        | 14.297 | 165  | 70980    | 41.124 | ng    | #        | 86 |
| 52) Acenaphthene              | 14.790 | 154  | 261649m  | 41.473 | ng    |          |    |
| 53) 3-Nitroaniline            | 14.626 | 138  | 77870    | 42.667 | ng    | 91       |    |
| 54) 2,4-Dinitrophenol         | 14.843 | 184  | 43719    | 39.809 | ng    | 90       |    |
| 55) Dibenzofuran              | 15.125 | 168  | 405203   | 41.018 | ng    | 98       |    |
| 56) 4-Nitrophenol             | 14.943 | 139  | 58185    | 41.802 | ng    | #        | 76 |
| 57) 2,4-Dinitrotoluene        | 15.090 | 165  | 106445   | 43.318 | ng    | #        | 91 |
| 58) Fluorene                  | 15.771 | 166  | 325660   | 40.816 | ng    | 98       |    |
| 59) 2,3,4,6-Tetrachlorophenol | 15.354 | 232  | 102416   | 40.858 | ng    | 97       |    |
| 60) Diethylphthalate          | 15.530 | 149  | 352636   | 40.680 | ng    | 99       |    |
| 61) 4-Chlorophenyl-phenyle... | 15.759 | 204  | 183624   | 40.598 | ng    | 99       |    |
| 62) 4-Nitroaniline            | 15.795 | 138  | 84228    | 43.735 | ng    | #        | 78 |
| 63) Azobenzene                | 16.053 | 77   | 361518   | 41.365 | ng    | 98       |    |
| 65) 4,6-Dinitro-2-methylph... | 15.853 | 198  | 75075    | 42.635 | ng    | 95       |    |
| 66) n-Nitrosodiphenylamine    | 15.971 | 169  | 295030   | 40.649 | ng    | 99       |    |
| 67) 4-Bromophenyl-phenylether | 16.652 | 248  | 133142   | 41.169 | ng    | 95       |    |
| 68) Hexachlorobenzene         | 16.782 | 284  | 140981   | 40.253 | ng    | 94       |    |
| 69) Atrazine                  | 16.917 | 200  | 108669   | 38.329 | ng    | 95       |    |
| 70) Pentachlorophenol         | 17.128 | 266  | 75214    | 39.294 | ng    | 91       |    |
| 71) Phenanthrene              | 17.516 | 178  | 562147   | 40.776 | ng    | 97       |    |
| 72) Anthracene                | 17.604 | 178  | 551485   | 40.378 | ng    | 99       |    |
| 73) Carbazole                 | 17.874 | 167  | 548281   | 41.297 | ng    | 99       |    |
| 74) Di-n-butylphthalate       | 18.421 | 149  | 630975   | 41.905 | ng    | 98       |    |
| 75) Fluoranthene              | 19.519 | 202  | 725004   | 41.026 | ng    | 99       |    |
| 77) Benzidine                 | 19.695 | 184  | 282170   | 38.231 | ng    | 99       |    |
| 78) Pyrene                    | 19.883 | 202  | 715263   | 38.823 | ng    | 99       |    |
| 80) Butylbenzylphthalate      | 20.759 | 149  | 284125   | 41.366 | ng    | 99       |    |
| 81) Benzo(a)anthracene        | 21.740 | 228  | 723958   | 40.931 | ng    | 98       |    |
| 82) 3,3'-Dichlorobenzidine    | 21.646 | 252  | 263523   | 40.513 | ng    | 98       |    |
| 83) Chrysene                  | 21.804 | 228  | 679874   | 41.418 | ng    | 99       |    |
| 84) Bis(2-ethylhexyl)phtha... | 21.622 | 149  | 398495   | 42.921 | ng    | 99       |    |
| 85) Di-n-octyl phthalate      | 22.856 | 149  | 665387   | 42.852 | ng    | 96       |    |
| 87) Indeno(1,2,3-cd)pyrene    | 28.836 | 276  | 852493   | 41.485 | ng    | #        | 97 |
| 88) Benzo(b)fluoranthene      | 24.007 | 252  | 713282   | 40.872 | ng    | 98       |    |
| 89) Benzo(k)fluoranthene      | 24.078 | 252  | 697120   | 40.644 | ng    | 98       |    |
| 90) Benzo(a)pyrene            | 24.900 | 252  | 616089   | 41.440 | ng    | 98       |    |
| 91) Dibenzo(a,h)anthracene    | 28.895 | 278  | 691909   | 40.909 | ng    | 99       |    |
| 92) Benzo(g,h,i)perylene      | 30.011 | 276  | 688598   | 41.307 | ng    | 98       |    |

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

