

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP110321\  
 Data File : BP007825.D  
 Acq On : 03 Nov 2021 16:30  
 Operator : CG/JU  
 Sample : M4427-01MS  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 FDR-BH-6-20211029-7.5-8MS

Quant Time: Nov 04 07:27:53 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

### Manual Integrations APPROVED

Reviewed By : Christian Giraldo 11/04/2021  
 Supervised By : mohammad ahmed 11/08/2021

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.916  | 152  | 126840   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.722 | 136  | 584615   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.557 | 164  | 455855   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.316 | 188  | 1043543  | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.410 | 240  | 1294562  | 20.00  | ng    | 0.00     |
| 86) Perylene-d12              | 23.845 | 264  | 1568690  | 20.00  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.493  | 112  | 945899   | 126.47 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.093  | 99   | 1277208  | 117.99 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.075  | 82   | 745544   | 68.50  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 16.051 | 330  | 679661   | 104.47 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.187 | 172  | 1904616  | 60.84  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.875 | 244  | 3521337  | 55.39  | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.381  | 88   | 105717   | 40.77  | ng    | 97       |
| 3) Pyridine                   | 3.787  | 79   | 340053m  | 40.98  | ng    |          |
| 4) n-Nitrosodimethylamine     | 3.693  | 42   | 155270   | 43.75  | ng    | 93       |
| 6) Aniline                    | 7.240  | 93   | 441383   | 36.20  | ng    | 98       |
| 8) 2-Chlorophenol             | 7.481  | 128  | 442904   | 53.74  | ng    | 99       |
| 9) Benzaldehyde               | 7.052  | 77   | 258477   | 43.91  | ng    | 99       |
| 10) Phenol                    | 7.116  | 94   | 591588   | 57.23  | ng    | 98       |
| 11) bis(2-Chloroethyl)ether   | 7.340  | 93   | 386320   | 46.82  | ng    | 98       |
| 12) 1,3-Dichlorobenzene       | 7.810  | 146  | 424443   | 46.30  | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 7.952  | 146  | 437371   | 46.70  | ng    | 100      |
| 14) 1,2-Dichlorobenzene       | 8.269  | 146  | 428823   | 47.38  | ng    | 98       |
| 15) Benzyl Alcohol            | 8.158  | 79   | 428168   | 52.24  | ng    | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.457  | 45   | 455273   | 47.07  | ng    | 97       |
| 17) 2-Methylphenol            | 8.369  | 107  | 403091   | 56.39  | ng    | 99       |
| 18) Hexachloroethane          | 9.005  | 117  | 153734   | 47.47  | ng    | 90       |
| 19) n-Nitroso-di-n-propyla... | 8.728  | 70   | 309715   | 46.75  | ng    | 94       |
| 20) 3+4-Methylphenols         | 8.693  | 107  | 577952   | 57.48  | ng    | 99       |
| 22) Acetophenone              | 8.740  | 105  | 647219   | 43.94  | ng    | 98       |
| 24) Nitrobenzene              | 9.122  | 77   | 472250   | 45.60  | ng    | 95       |
| 25) Isophorone                | 9.652  | 82   | 901025   | 45.56  | ng    | 98       |
| 26) 2-Nitrophenol             | 9.834  | 139  | 250073   | 47.68  | ng    | 96       |
| 27) 2,4-Dimethylphenol        | 9.899  | 122  | 466953   | 57.93  | ng    | 95       |
| 28) bis(2-Chloroethoxy)met... | 10.134 | 93   | 559663   | 42.88  | ng    | 98       |
| 29) 2,4-Dichlorophenol        | 10.369 | 162  | 500514   | 51.65  | ng    | 100      |
| 30) 1,2,4-Trichlorobenzene    | 10.587 | 180  | 458939   | 42.58  | ng    | 99       |
| 31) Naphthalene               | 10.775 | 128  | 1379339  | 46.64  | ng    | 99       |
| 32) Benzoic acid              | 10.046 | 122  | 384574   | 55.35  | ng    | 99       |
| 33) 4-Chloroaniline           | 10.881 | 127  | 262140   | 20.12  | ng    | 98       |
| 34) Hexachlorobutadiene       | 11.069 | 225  | 290050   | 40.99  | ng    | 100      |
| 35) Caprolactam               | 11.675 | 113  | 187557m  | 55.45  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 12.016 | 107  | 578871   | 52.88  | ng    | 100      |
| 37) 2-Methylnaphthalene       | 12.381 | 142  | 1065688  | 48.85  | ng    | 99       |
| 38) 1-Methylnaphthalene       | 12.604 | 142  | 999789   | 46.78  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 12.751 | 216  | 578244   | 40.46  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 12.734 | 237  | 383403   | 50.09  | ng    | 97       |
| 43) 2,4,6-Trichlorophenol     | 12.993 | 196  | 455467   | 45.63  | ng    | 100      |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP110321\  
 Data File : BP007825.D  
 Acq On : 03 Nov 2021 16:30  
 Operator : CG/JU  
 Sample : M4427-01MS  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 FDR-BH-6-20211029-7.5-8MS

Quant Time: Nov 04 07:27:53 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

Manual Integrations  
 APPROVED

Reviewed By :Christian Giraldo 11/04/2021  
 Supervised By :mohammad ahmed 11/08/2021

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 13.063 | 196  | 510871   | 47.25  | ng    | 97       |
| 46) 1,1'-Biphenyl             | 13.393 | 154  | 1375981  | 41.81  | ng    | 99       |
| 47) 2-Chloronaphthalene       | 13.434 | 162  | 1093503  | 42.75  | ng    | 99       |
| 48) 2-Nitroaniline            | 13.634 | 65   | 366372   | 49.78  | ng    | 98       |
| 49) Acenaphthylene            | 14.281 | 152  | 1846678  | 45.97  | ng    | 99       |
| 50) Dimethylphthalate         | 14.022 | 163  | 1557744  | 44.27  | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 14.134 | 165  | 346115   | 47.57  | ng    | 96       |
| 52) Acenaphthene              | 14.622 | 154  | 1101526  | 45.41  | ng    | 100      |
| 53) 3-Nitroaniline            | 14.463 | 138  | 277483   | 35.75  | ng    | # 95     |
| 54) 2,4-Dinitrophenol         | 14.669 | 184  | 444687   | 99.42  | ng    | 91       |
| 55) Dibenzofuran              | 14.957 | 168  | 1730295  | 42.16  | ng    | 99       |
| 56) 4-Nitrophenol             | 14.781 | 139  | 693700   | 105.21 | ng    | 94       |
| 57) 2,4-Dinitrotoluene        | 14.922 | 165  | 482908   | 48.21  | ng    | 92       |
| 58) Fluorene                  | 15.610 | 166  | 1404677  | 45.13  | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.187 | 232  | 441892   | 45.40  | ng    | # 91     |
| 60) Diethylphthalate          | 15.387 | 149  | 1556429  | 45.56  | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 15.604 | 204  | 713832   | 41.99  | ng    | 99       |
| 62) 4-Nitroaniline            | 15.628 | 138  | 370115   | 46.94  | ng    | 97       |
| 63) Azobenzene                | 15.898 | 77   | 1302563  | 45.18  | ng    | 98       |
| 65) 4,6-Dinitro-2-methylph... | 15.692 | 198  | 276999   | 40.54  | ng    | 88       |
| 66) n-Nitrosodiphenylamine    | 15.822 | 169  | 1292403  | 43.50  | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 16.504 | 248  | 490885   | 42.49  | ng    | 97       |
| 68) Hexachlorobenzene         | 16.622 | 284  | 557524   | 43.25  | ng    | 95       |
| 69) Atrazine                  | 16.781 | 200  | 523517   | 46.02  | ng    | 99       |
| 70) Pentachlorophenol         | 16.969 | 266  | 780287   | 94.11  | ng    | 96       |
| 71) Phenanthrene              | 17.357 | 178  | 2560440  | 46.67  | ng    | 99       |
| 72) Anthracene                | 17.451 | 178  | 2552229  | 47.27  | ng    | 99       |
| 73) Carbazole                 | 17.722 | 167  | 2407893  | 44.87  | ng    | 99       |
| 74) Di-n-butylphthalate       | 18.281 | 149  | 2890886  | 47.30  | ng    | 99       |
| 75) Fluoranthene              | 19.328 | 202  | 3371344  | 48.72  | ng    | 98       |
| 77) Benzidine                 | 19.504 | 184  | 908036   | 27.83  | ng    | 99       |
| 78) Pyrene                    | 19.680 | 202  | 3552217  | 44.74  | ng    | 99       |
| 80) Butylbenzylphthalate      | 20.557 | 149  | 1503650  | 45.06  | ng    | 95       |
| 81) Benzo(a)anthracene        | 21.392 | 228  | 3898723  | 45.71  | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 21.322 | 252  | 1043382  | 36.43  | ng    | 98       |
| 83) Chrysene                  | 21.451 | 228  | 3750201  | 46.45  | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 21.322 | 149  | 2212572  | 46.23  | ng    | 99       |
| 85) Di-n-octyl phthalate      | 22.263 | 149  | 4204968  | 48.84  | ng    | 97       |
| 87) Indeno(1,2,3-cd)pyrene    | 26.410 | 276  | 5155699  | 44.09  | ng    | 96       |
| 88) Benzo(b)fluoranthene      | 23.104 | 252  | 4583918  | 49.57  | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 23.157 | 252  | 4361524  | 47.52  | ng    | 98       |
| 90) Benzo(a)pyrene            | 23.739 | 252  | 4511780  | 56.35  | ng    | 98       |
| 91) Dibenzo(a,h)anthracene    | 26.421 | 278  | 4309756  | 44.47  | ng    | 97       |
| 92) Benzo(g,h,i)perylene      | 27.186 | 276  | 4215716  | 43.85  | ng    | 97       |

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

