

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP091622\  
 Data File : BP011727.D  
 Acq On : 16 Sep 2022 13:37  
 Operator : CG/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SSTDCCC040EC

Manual Integrations  
 APPROVED

Reviewed By : Christian Giraldo 09/19/2022  
 Supervised By : Jagrut Upadhyay 09/19/2022

Quant Time: Sep 16 15:26:56 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP091422.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Sep 14 19:12:50 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.945  | 152  | 553879   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.757 | 136  | 2237582  | 20.000 | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.586 | 164  | 1279965  | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.339 | 188  | 2458519  | 20.000 | ng    | # 0.00   |
| 76) Chrysene-d12              | 21.421 | 240  | 2146177  | 20.000 | ng    | # 0.00   |
| 86) Perylene-d12              | 23.880 | 264  | 2029955  | 20.000 | ng    | 0.01     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.499  | 112  | 2473170  | 81.275 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.098  | 99   | 3353952  | 82.685 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.110  | 82   | 3118592  | 82.658 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.074 | 330  | 787859   | 78.779 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.210 | 172  | 6548008  | 79.521 | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.892 | 244  | 7950346  | 80.556 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.375  | 88   | 523568   | 39.070 | ng    | # 83     |
| 3) Pyridine                   | 3.787  | 79   | 1562531m | 40.445 | ng    |          |
| 4) n-Nitrosodimethylamine     | 3.693  | 42   | 615009   | 41.524 | ng    | # 45     |
| 6) Aniline                    | 7.269  | 93   | 2055434  | 41.136 | ng    | 90       |
| 8) 2-Chlorophenol             | 7.504  | 128  | 1468291  | 40.694 | ng    | 92       |
| 9) Benzaldehyde               | 7.081  | 77   | 1038942  | 40.015 | ng    | 91       |
| 10) Phenol                    | 7.128  | 94   | 1880580  | 41.220 | ng    | 81       |
| 11) bis(2-Chloroethyl)ether   | 7.363  | 93   | 1470247  | 40.454 | ng    | 93       |
| 12) 1,3-Dichlorobenzene       | 7.828  | 146  | 1573542m | 39.325 | ng    |          |
| 13) 1,4-Dichlorobenzene       | 7.975  | 146  | 1596338  | 39.229 | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 8.298  | 146  | 1517946  | 39.130 | ng    | 97       |
| 15) Benzyl Alcohol            | 8.187  | 79   | 1206444  | 41.663 | ng    | # 90     |
| 16) 2,2'-oxybis(1-Chloropr... | 8.475  | 45   | 1969959  | 40.580 | ng    | 93       |
| 17) 2-Methylphenol            | 8.387  | 107  | 1215171  | 41.022 | ng    | # 91     |
| 18) Hexachloroethane          | 9.028  | 117  | 566247   | 40.231 | ng    | 92       |
| 19) n-Nitroso-di-n-propyla... | 8.757  | 70   | 1087569  | 41.411 | ng    | # 83     |
| 20) 3+4-Methylphenols         | 8.716  | 107  | 1674162  | 41.152 | ng    | 92       |
| 22) Acetophenone              | 8.769  | 105  | 2119367  | 40.404 | ng    | # 87     |
| 24) Nitrobenzene              | 9.151  | 77   | 1608787  | 40.983 | ng    | 90       |
| 25) Isophorone                | 9.687  | 82   | 2777818  | 41.621 | ng    | 95       |
| 26) 2-Nitrophenol             | 9.863  | 139  | 676695   | 38.301 | ng    | # 84     |
| 27) 2,4-Dimethylphenol        | 9.922  | 122  | 1156592  | 41.450 | ng    | 88       |
| 28) bis(2-Chloroethoxy)met... | 10.163 | 93   | 1726567  | 40.455 | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 10.398 | 162  | 1263408  | 40.873 | ng    | 97       |
| 30) 1,2,4-Trichlorobenzene    | 10.616 | 180  | 1346855  | 39.358 | ng    | 98       |
| 31) Naphthalene               | 10.804 | 128  | 4589415  | 39.524 | ng    | 99       |
| 32) Benzoic acid              | 10.063 | 122  | 849317   | 37.857 | ng    | 89       |
| 33) 4-Chloroaniline           | 10.916 | 127  | 1848064  | 40.566 | ng    | # 92     |
| 34) Hexachlorobutadiene       | 11.092 | 225  | 732076   | 38.834 | ng    | 98       |
| 35) Caprolactam               | 11.716 | 113  | 407698   | 40.706 | ng    | # 75     |
| 36) 4-Chloro-3-methylphenol   | 12.033 | 107  | 1360044  | 40.913 | ng    | 94       |
| 37) 2-Methylnaphthalene       | 12.416 | 142  | 3108621  | 40.003 | ng    | 96       |
| 38) 1-Methylnaphthalene       | 12.633 | 142  | 3030762  | 39.891 | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 12.781 | 216  | 1337756  | 39.600 | ng    | 98       |
| 41) Hexachlorocyclopentadiene | 12.757 | 237  | 679048   | 40.271 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 13.016 | 196  | 941122   | 40.956 | ng    | 98       |

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|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 13.086 | 196  | 1044132  | 40.640 | ng    | 98       |
| 46) 1,1'-Biphenyl             | 13.422 | 154  | 3694370  | 39.676 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 13.463 | 162  | 2880626  | 39.320 | ng    | 100      |
| 48) 2-Nitroaniline            | 13.663 | 65   | 895250   | 43.574 | ng    | 87       |
| 49) Acenaphthylene            | 14.310 | 152  | 4624723  | 40.797 | ng    | 99       |
| 50) Dimethylphthalate         | 14.045 | 163  | 3552083  | 39.780 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 14.163 | 165  | 757237   | 41.819 | ng    | # 87     |
| 52) Acenaphthene              | 14.651 | 154  | 3012652m | 39.953 | ng    |          |
| 53) 3-Nitroaniline            | 14.492 | 138  | 889231   | 39.211 | ng    | 89       |
| 54) 2,4-Dinitrophenol         | 14.692 | 184  | 339145   | 36.335 | ng    | 87       |
| 55) Dibenzofuran              | 14.986 | 168  | 4282608  | 39.439 | ng    | 98       |
| 56) 4-Nitrophenol             | 14.792 | 139  | 711181   | 40.422 | ng    | # 72     |
| 57) 2,4-Dinitrotoluene        | 14.945 | 165  | 1005161  | 38.825 | ng    | # 89     |
| 58) Fluorene                  | 15.633 | 166  | 3550307  | 40.311 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.210 | 232  | 843972   | 39.985 | ng    | 93       |
| 60) Diethylphthalate          | 15.410 | 149  | 3616052  | 40.676 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 15.627 | 204  | 1612358  | 39.603 | ng    | 99       |
| 62) 4-Nitroaniline            | 15.657 | 138  | 917025   | 39.573 | ng    | # 79     |
| 63) Azobenzene                | 15.922 | 77   | 3574367  | 41.839 | ng    | 91       |
| 65) 4,6-Dinitro-2-methylph... | 15.710 | 198  | 477249   | 37.469 | ng    | 89       |
| 66) n-Nitrosodiphenylamine    | 15.845 | 169  | 2977719  | 40.707 | ng    | 98       |
| 67) 4-Bromophenyl-phenylether | 16.527 | 248  | 902857   | 39.230 | ng    | 97       |
| 68) Hexachlorobenzene         | 16.639 | 284  | 967080   | 39.017 | ng    | 94       |
| 69) Atrazine                  | 16.798 | 200  | 901741   | 40.384 | ng    | 95       |
| 70) Pentachlorophenol         | 16.986 | 266  | 617933   | 39.298 | ng    | 99       |
| 71) Phenanthrene              | 17.380 | 178  | 5334283  | 39.875 | ng    | 97       |
| 72) Anthracene                | 17.474 | 178  | 5145187  | 40.666 | ng    | 97       |
| 73) Carbazole                 | 17.745 | 167  | 4845602  | 40.596 | ng    | 99       |
| 74) Di-n-butylphthalate       | 18.292 | 149  | 5935106  | 41.254 | ng    | 99       |
| 75) Fluoranthene              | 19.345 | 202  | 5769157  | 39.987 | ng    | 95       |
| 77) Benzidine                 | 19.521 | 184  | 2322880  | 45.511 | ng    | 98       |
| 78) Pyrene                    | 19.698 | 202  | 5945930  | 41.076 | ng    | 97       |
| 80) Butylbenzylphthalate      | 20.568 | 149  | 2619119  | 43.178 | ng    | 93       |
| 81) Benzo(a)anthracene        | 21.404 | 228  | 5558713  | 40.184 | ng    | 96       |
| 82) 3,3'-Dichlorobenzidine    | 21.333 | 252  | 1750376  | 41.662 | ng    | # 98     |
| 83) Chrysene                  | 21.462 | 228  | 5229829  | 39.569 | ng    | 97       |
| 84) Bis(2-ethylhexyl)phtha... | 21.327 | 149  | 3794539  | 43.485 | ng    | # 99     |
| 85) Di-n-octyl phthalate      | 22.274 | 149  | 6175876  | 41.243 | ng    | # 93     |
| 87) Indeno(1,2,3-cd)pyrene    | 26.456 | 276  | 5921742  | 40.492 | ng    | # 90     |
| 88) Benzo(b)fluoranthene      | 23.127 | 252  | 5080958  | 40.470 | ng    | # 96     |
| 89) Benzo(k)fluoranthene      | 23.174 | 252  | 5215818  | 41.226 | ng    | # 95     |
| 90) Benzo(a)pyrene            | 23.768 | 252  | 4269055  | 41.161 | ng    | # 95     |
| 91) Dibenzo(a,h)anthracene    | 26.480 | 278  | 4913612  | 40.462 | ng    | # 94     |
| 92) Benzo(g,h,i)perylene      | 27.250 | 276  | 4732773  | 39.976 | ng    | # 91     |

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

