Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052822\
Data File : BP010590.D
Acq On : 28 May 2022 02:55
Operator : CG/JU
Sample : PB145173BS
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 28 04:17:09 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP052822.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat May 28 02:18:04 2022
Response via : Initial Calibration

**Instrument :**
BNA_P
**ClientSampleId :**
PB145173BS

**Manual Integrations APPROVED**

Reviewed By :Christian Giraldo 05/28/2022
Supervised By :Jagrut Upadhyay 05/31/2022

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.869 | 152 | 105939 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.669 | 136 | 435429 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.504 | 164 | 290051 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.257 | 188 | 599777 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.339 | 240 | 534039 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 23.751 | 264 | 492919 | 20.000 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.446 | 112 | 803898 | 138.434 | ng | | 0.00 |
| 7) Phenol-d6 | 7.040 | 99 | 1020608 | 123.799 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.028 | 82 | 750053 | 81.440 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.998 | 330 | 429886 | 130.933 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.128 | 172 | 1598338 | 78.208 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.816 | 244 | 2491962 | 87.647 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.352 | 88 | 76429 | 30.992 | ng | | 96 |
| 3) Pyridine | 3.758 | 79 | 196495 | 28.452 | ng | | 94 |
| 4) n-Nitrosodimethylamine | 3.664 | 42 | 184733 | 43.869 | ng | | 94 |
| 6) Aniline | 7.193 | 93 | 381454 | 39.328 | ng | | 98 |
| 8) 2-Chlorophenol | 7.434 | 128 | 281480 | 42.947 | ng | | 97 |
| 9) Benzaldehyde | 7.005 | 77 | 172014m | 31.707 | ng | | |
| 10) Phenol | 7.064 | 94 | 360761 | 42.317 | ng | | 94 |
| 11) bis(2-Chloroethyl)ether | 7.293 | 93 | 268721 | 39.771 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 7.758 | 146 | 307206 | 40.444 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 7.905 | 146 | 314311 | 40.383 | ng | | 100 |
| 14) 1,2-Dichlorobenzene | 8.222 | 146 | 301302 | 40.439 | ng | | 98 |
| 15) Benzyl Alcohol | 8.111 | 79 | 284977m | 43.121 | ng | | |
| 16) 2,2'-oxybis(1-Chloropr... | 8.399 | 45 | 502951 | 39.814 | ng | | 99 |
| 17) 2-Methylphenol | 8.316 | 107 | 239655 | 41.887 | ng | | 97 |
| 18) Hexachloroethane | 8.946 | 117 | 123985 | 41.182 | ng | | 99 |
| 19) n-Nitroso-di-n-propyla... | 8.681 | 70 | 234060 | 38.926 | ng | | 95 |
| 20) 3+4-Methylphenols | 8.646 | 107 | 325564 | 41.395 | ng | | 97 |
| 22) Acetophenone | 8.693 | 105 | 447700 | 39.426 | ng | # | 98 |
| 24) Nitrobenzene | 9.069 | 77 | 369254 | 39.685 | ng | | 98 |
| 25) Isophorone | 9.599 | 82 | 623704 | 40.538 | ng | | 99 |
| 26) 2-Nitrophenol | 9.781 | 139 | 149057 | 41.105 | ng | | 97 |
| 27) 2,4-Dimethylphenol | 9.846 | 122 | 255671 | 47.436 | ng | | 98 |
| 28) bis(2-Chloroethoxy)met... | 10.081 | 93 | 366061 | 43.069 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 10.316 | 162 | 273083 | 42.145 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 10.534 | 180 | 304235 | 39.916 | ng | | 100 |
| 31) Naphthalene | 10.716 | 128 | 890548 | 38.823 | ng | | 98 |
| 32) Benzoic acid | 9.993 | 122 | 156225 | 38.435 | ng | | 98 |
| 33) 4-Chloroaniline | 10.828 | 127 | 261783 | 29.542 | ng | | 97 |
| 34) Hexachlorobutadiene | 11.004 | 225 | 199419 | 38.753 | ng | | 99 |
| 35) Caprolactam | 11.622 | 113 | 83604 | 44.700 | ng | | 96 |
| 36) 4-Chloro-3-methylphenol | 11.957 | 107 | 318777 | 43.180 | ng | | 99 |
| 37) 2-Methylnaphthalene | 12.328 | 142 | 626919 | 39.168 | ng | | 97 |
| 38) 1-Methylnaphthalene | 12.546 | 142 | 604764 | 38.690 | ng | | 98 |
| 40) 1,2,4,5-Tetrachloroben... | 12.698 | 216 | 344762 | 38.209 | ng | | 98 |
| 41) Hexachlorocyclopentadiene | 12.681 | 237 | 420376 | 87.519 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 12.940 | 196 | 226944 | 40.289 | ng | | 98 |

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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 13.010 | 196 | 251086 | 39.409 | ng | 98 |
| 46) 1,1'-Biphenyl | 13.340 | 154 | 835410 | 38.615 | ng | 100 |
| 47) 2-Chloronaphthalene | 13.381 | 162 | 650605 | 38.260 | ng | 99 |
| 48) 2-Nitroaniline | 13.581 | 65 | 240513 | 40.808 | ng | 96 |
| 49) Acenaphthylene | 14.222 | 152 | 1075818 | 41.188 | ng | 100 |
| 50) Dimethylphthalate | 13.963 | 163 | 815775 | 39.072 | ng | 100 |
| 51) 2,6-Dinitrotoluene | 14.081 | 165 | 183943 | 41.428 | ng | 97 |
| 52) Acenaphthene | 14.569 | 154 | 614184 | 38.300 | ng | 97 |
| 53) 3-Nitroaniline | 14.410 | 138 | 145896 | 33.551 | ng | 97 |
| 54) 2,4-Dinitrophenol | 14.622 | 184 | 209478 | 76.747 | ng | 98 |
| 55) Dibenzofuran | 14.904 | 168 | 1007015 | 39.711 | ng | 98 |
| 56) 4-Nitrophenol | 14.722 | 139 | 308218 | 84.057 | ng | 97 |
| 57) 2,4-Dinitrotoluene | 14.869 | 165 | 251885 | 43.583 | ng | 99 |
| 58) Fluorene | 15.551 | 166 | 815406 | 39.332 | ng | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.134 | 232 | 220246 | 40.326 | ng | 98 |
| 60) Diethylphthalate | 15.328 | 149 | 849889 | 40.892 | ng | 99 |
| 61) 4-Chlorophenyl-phenyle... | 15.545 | 204 | 420749 | 40.379 | ng | 99 |
| 62) 4-Nitroaniline | 15.575 | 138 | 177909 | 38.865 | ng | 95 |
| 63) Azobenzene | 15.840 | 77 | 890861 | 40.585 | ng | 98 |
| 65) 4,6-Dinitro-2-methylph... | 15.640 | 198 | 136265 | 36.948 | ng | 99 |
| 66) n-Nitrosodiphenylamine | 15.763 | 169 | 714484 | 39.562 | ng | 99 |
| 67) 4-Bromophenyl-phenylether | 16.445 | 248 | 253776 | 38.894 | ng | 99 |
| 68) Hexachlorobenzene | 16.563 | 284 | 279449 | 38.774 | ng | 99 |
| 69) Atrazine | 16.722 | 200 | 257159 | 43.901 | ng | 98 |
| 70) Pentachlorophenol | 16.910 | 266 | 348483 | 84.233 | ng | 99 |
| 71) Phenanthrene | 17.298 | 178 | 1293058 | 39.313 | ng | 100 |
| 72) Anthracene | 17.392 | 178 | 1272125 | 40.391 | ng | 99 |
| 73) Carbazole | 17.663 | 167 | 1161428 | 43.389 | ng | 99 |
| 74) Di-n-butylphthalate | 18.210 | 149 | 1397577 | 41.069 | ng | 100 |
| 75) Fluoranthene | 19.263 | 202 | 1443197 | 40.397 | ng | 98 |
| 77) Benzidine | 19.445 | 184 | 554164 | 54.020 | ng | 98 |
| 78) Pyrene | 19.616 | 202 | 1494733 | 40.163 | ng | 100 |
| 80) Butylbenzylphthalate | 20.486 | 149 | 598187 | 40.810 | ng | 99 |
| 81) Benzo(a)anthracene | 21.327 | 228 | 1410763 | 40.263 | ng | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.257 | 252 | 460646 | 47.936 | ng | 99 |
| 83) Chrysene | 21.380 | 228 | 1330571 | 38.715 | ng | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 21.251 | 149 | 850278 | 41.153 | ng | 100 |
| 85) Di-n-octyl phthalate | 22.174 | 149 | 1392736 | 40.449 | ng | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 26.268 | 276 | 1565302 | 43.561 | ng | 100 |
| 88) Benzo(b)fluoranthene | 23.016 | 252 | 1417431 | 45.672 | ng | 99 |
| 89) Benzo(k)fluoranthene | 23.069 | 252 | 1326256 | 42.157 | ng | 98 |
| 90) Benzo(a)pyrene | 23.645 | 252 | 1322813 | 51.529 | ng | 99 |
| 91) Dibenzo(a,h)anthracene | 26.286 | 278 | 1388856 | 46.211 | ng | 98 |
| 92) Benzo(g,h,i)perylene | 27.039 | 276 | 1420719 | 47.549 | ng | 99 |

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

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