Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM052423\
Data File : BM039979.D
Acq On : 24 May 2023 11:58
Operator : CG/JU
Sample : PB152902BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 24 13:18:04 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM052323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 24 01:06:13 2023
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
PB152902BSD

**Manual Integrations APPROVED**

Reviewed By :Christian Giraldo 05/25/2023
Supervised By :Jagrut Upadhyay 05/25/2023

05/25/2023
Supervised By :Jagrut Upadhyay

05/25/2023

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 8.016 | 152 | 254454 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.833 | 136 | 985060 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.651 | 164 | 470358 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.398 | 188 | 816635 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.574 | 240 | 675316 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 24.027 | 264 | 746680 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.563 | 112 | 1623722 | 97.884 | ng | | 0.00 |
| 7) Phenol-d6 | 7.169 | 99 | 1874015 | 86.603 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.186 | 82 | 1652350 | 90.513 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.139 | 330 | 534440 | 87.543 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.286 | 172 | 3721842 | 93.330 | ng | | 0.00 |
| 79) Terphenyl-d14 | 20.015 | 244 | 4482695 | 103.067 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.422 | 88 | 288593 | 43.079 | ng | | 98 |
| 3) Pyridine | 3.828 | 79 | 749421 | 40.746 | ng | | 97 |
| 4) n-Nitrosodimethylamine | 3.740 | 42 | 356431 | 45.615 | ng | | 95 |
| 6) Aniline | 7.339 | 93 | 812942 | 30.362 | ng | | 99 |
| 8) 2-Chlorophenol | 7.575 | 128 | 847532 | 48.538 | ng | | 97 |
| 9) Benzaldehyde | 7.145 | 77 | 499506 | 47.751 | ng | | 99 |
| 10) Phenol | 7.198 | 94 | 1038107 | 47.860 | ng | | 99 |
| 11) bis(2-Chloroethyl)ether | 7.434 | 93 | 828896 | 46.396 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 7.904 | 146 | 947751 | 51.256 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 8.051 | 146 | 969061 | 51.509 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 8.375 | 146 | 919645 | 49.851 | ng | | 99 |
| 15) Benzyl Alcohol | 8.257 | 79 | 636914 | 45.661 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.557 | 45 | 1034038 | 45.120 | ng | | 100 |
| 17) 2-Methylphenol | 8.457 | 107 | 666458 | 42.946 | ng | | 98 |
| 18) Hexachloroethane | 9.110 | 117 | 352099 | 51.623 | ng | | 97 |
| 19) n-Nitroso-di-n-propyla... | 8.828 | 70 | 561135 | 44.772 | ng | | 97 |
| 20) 3+4-Methylphenols | 8.786 | 107 | 865266 | 42.253 | ng | | 98 |
| 22) Acetophenone | 8.845 | 105 | 1253135 | 47.132 | ng | # | 98 |
| 24) Nitrobenzene | 9.228 | 77 | 849431 | 45.872 | ng | | 98 |
| 25) Isophorone | 9.751 | 82 | 1496918 | 44.964 | ng | | 99 |
| 26) 2-Nitrophenol | 9.939 | 139 | 363280 | 55.442 | ng | | 96 |
| 27) 2,4-Dimethylphenol | 9.998 | 122 | 723396 | 48.471 | ng | | 99 |
| 28) bis(2-Chloroethoxy)met... | 10.239 | 93 | 1001757 | 45.896 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 10.475 | 162 | 673697 | 47.645 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 10.692 | 180 | 766315 | 49.503 | ng | | 99 |
| 31) Naphthalene | 10.886 | 128 | 2516124 | 46.294 | ng | | 100 |
| 32) Benzoic acid | 10.116 | 122 | 365775 | 38.259 | ng | | 93 |
| 33) 4-Chloroaniline | 10.986 | 127 | 283905 | 12.396 | ng | | 99 |
| 34) Hexachlorobutadiene | 11.174 | 225 | 420547 | 48.401 | ng | | 98 |
| 35) Caprolactam | 11.763 | 113 | 176857 | 44.294 | ng | | 88 |
| 36) 4-Chloro-3-methylphenol | 12.104 | 107 | 659431 | 45.120 | ng | | 99 |
| 37) 2-Methylnaphthalene | 12.486 | 142 | 1601091 | 44.195 | ng | | 99 |
| 38) 1-Methylnaphthalene | 12.704 | 142 | 1484881 | 43.786 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 12.851 | 216 | 780691 | 52.477 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 12.839 | 237 | 1096877 | 142.527 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 13.086 | 196 | 451136 | 49.962 | ng | | 99 |

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**Instrument :**
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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 13.157 | 196 | 490041 | 45.595 | ng | 99 |
| 46) 1,1'-Biphenyl | 13.492 | 154 | 2012779 | 49.983 | ng | 99 |
| 47) 2-Chloronaphthalene | 13.533 | 162 | 1535549 | 51.084 | ng | 100 |
| 48) 2-Nitroaniline | 13.733 | 65 | 357738 | 44.200 | ng | 95 |
| 49) Acenaphthylene | 14.374 | 152 | 2285399 | 48.566 | ng | 99 |
| 50) Dimethylphthalate | 14.110 | 163 | 1676508 | 47.282 | ng | 100 |
| 51) 2,6-Dinitrotoluene | 14.227 | 165 | 337915 | 49.818 | ng | 97 |
| 52) Acenaphthene | 14.715 | 154 | 1593761m | 51.835 | ng | |
| 53) 3-Nitroaniline | 14.551 | 138 | 169056 | 21.069 | ng | 100 |
| 54) 2,4-Dinitrophenol | 14.757 | 184 | 312622 | 82.534 | ng | 98 |
| 55) Dibenzofuran | 15.051 | 168 | 2136458 | 47.070 | ng | 99 |
| 56) 4-Nitrophenol | 14.851 | 139 | 661891 | 106.635 | ng | 94 |
| 57) 2,4-Dinitrotoluene | 15.010 | 165 | 439734 | 45.257 | ng | 94 |
| 58) Fluorene | 15.698 | 166 | 1761203 | 46.677 | ng | 98 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.274 | 232 | 387731 | 48.511 | ng | 100 |
| 60) Diethylphthalate | 15.468 | 149 | 1639964 | 46.793 | ng | 99 |
| 61) 4-Chlorophenyl-phenyle... | 15.692 | 204 | 856028 | 46.372 | ng | 100 |
| 62) 4-Nitroaniline | 15.715 | 138 | 375985 | 44.992 | ng | 96 |
| 63) Azobenzene | 15.986 | 77 | 1627174 | 46.568 | ng | 98 |
| 65) 4,6-Dinitro-2-methylph... | 15.768 | 198 | 195040 | 44.094 | ng | 96 |
| 66) n-Nitrosodiphenylamine | 15.904 | 169 | 1396956 | 49.743 | ng | 99 |
| 67) 4-Bromophenyl-phenylether | 16.586 | 248 | 439458 | 48.702 | ng | 98 |
| 68) Hexachlorobenzene | 16.698 | 284 | 530400 | 51.436 | ng | 98 |
| 69) Atrazine | 16.851 | 200 | 420269 | 60.163 | ng | 99 |
| 70) Pentachlorophenol | 17.039 | 266 | 630206 | 93.098 | ng | 99 |
| 71) Phenanthrene | 17.439 | 178 | 2340170 | 47.908 | ng | 100 |
| 72) Anthracene | 17.527 | 178 | 2354749 | 48.655 | ng | 100 |
| 73) Carbazole | 17.798 | 167 | 2166895 | 49.558 | ng | 99 |
| 74) Di-n-butylphthalate | 18.362 | 149 | 2396370 | 43.260 | ng | 100 |
| 75) Fluoranthene | 19.450 | 202 | 2266083 | 46.546 | ng | 100 |
| 77) Benzidine | 19.633 | 184 | 714690 | 68.151 | ng | 99 |
| 78) Pyrene | 19.809 | 202 | 2417369 | 48.782 | ng | 100 |
| 80) Butylbenzylphthalate | 20.709 | 149 | 918223 | 45.355 | ng | 92 |
| 81) Benzo(a)anthracene | 21.556 | 228 | 2289064 | 47.882 | ng | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.491 | 252 | 527034 | 36.905 | ng | 100 |
| 83) Chrysene | 21.615 | 228 | 2158095 | 47.048 | ng | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 21.486 | 149 | 1437286 | 44.543 | ng | 98 |
| 85) Di-n-octyl phthalate | 22.433 | 149 | 2365078 | 47.512 | ng | 98 |
| 87) Indeno(1,2,3-cd)pyrene | 26.591 | 276 | 3315672 | 55.839 | ng | 98 |
| 88) Benzo(b)fluoranthene | 23.280 | 252 | 2375688 | 49.695 | ng | 99 |
| 89) Benzo(k)fluoranthene | 23.327 | 252 | 2444812 | 46.769 | ng | 100 |
| 90) Benzo(a)pyrene | 23.915 | 252 | 2082806 | 45.430 | ng | 98 |
| 91) Dibenzo(a,h)anthracene | 26.603 | 278 | 2834853 | 55.299 | ng | 99 |
| 92) Benzo(g,h,i)perylene | 27.373 | 276 | 2527834 | 55.792 | ng | 99 |

05/25/2023 Supervised By :Jagrut Upadhyay

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

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