Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060721\
Data File : BP005742.D
Acq On : 07 Jun 2021 14:56
Operator : CG/JU
Sample : M2580-18MSD
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
18-B1(0-2)MSD

**Manual Integrations APPROVED**
mohammad
6/8/2021 3:37:17 PM

Quant Time: Jun 07 16:31:51 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP052721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 07 12:13:53 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.975 | 152 | 156967 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.787 | 136 | 611599 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.604 | 164 | 390199 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.345 | 188 | 819920 | 20.000 | ng | # | 0.00 |
| 76) Chrysene-d12 | 21.416 | 240 | 888517 | 20.000 | ng | # | 0.00 |
| 86) Perylene-d12 | 23.845 | 264 | 1020622 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.546 | 112 | 1212190 | 120.065 | ng | | 0.01 |
| 7) Phenol-d6 | 7.152 | 99 | 1412732 | 102.644 | ng | | 0.01 |
| 23) Nitrobenzene-d5 | 9.146 | 82 | 1136483 | 103.342 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.093 | 330 | 877654 | 175.408 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.234 | 172 | 2511900 | 85.195 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.886 | 244 | 3993475 | 84.337 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.417 | 88 | 159304 | 34.476 | ng | # | 40 |
| 3) Pyridine | 3.834 | 79 | 310566 | 27.151 | ng | | 94 |
| 4) n-Nitrosodimethylamine | 3.728 | 42 | 208096 | 40.847 | ng | # | 25 |
| 6) Aniline | 7.305 | 93 | 294605 | 18.311 | ng | | 94 |
| 8) 2-Chlorophenol | 7.546 | 128 | 544042 | 48.125 | ng | | 97 |
| 9) Benzaldehyde | 7.117 | 77 | 239331 | 40.163 | ng | | 93 |
| 10) Phenol | 7.175 | 94 | 546630 | 38.899 | ng | | 97 |
| 11) bis(2-Chloroethyl)ether | 7.399 | 93 | 486672 | 44.856 | ng | | 97 |
| 12) 1,3-Dichlorobenzene | 7.869 | 146 | 547803 | 42.690 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 8.016 | 146 | 562264 | 43.235 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 8.334 | 146 | 541525 | 43.539 | ng | | 99 |
| 15) Benzyl Alcohol | 8.222 | 79 | 490697 | 49.702 | ng | # | 83 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.516 | 45 | 495960 | 39.932 | ng | | 86 |
| 17) 2-Methylphenol | 8.428 | 107 | 423696 | 46.316 | ng | | 97 |
| 18) Hexachloroethane | 9.058 | 117 | 202852 | 43.955 | ng | | 92 |
| 19) n-Nitroso-di-n-propyla... | 8.793 | 70 | 386114 | 44.103 | ng | | 98 |
| 20) 3+4-Methylphenols | 8.758 | 107 | 570499 | 46.812 | ng | | 95 |
| 22) Acetophenone | 8.805 | 105 | 790332 | 48.446 | ng | # | 98 |
| 24) Nitrobenzene | 9.187 | 77 | 584544 | 47.853 | ng | | 91 |
| 25) Isophorone | 9.716 | 82 | 1042284 | 42.689 | ng | | 98 |
| 26) 2-Nitrophenol | 9.899 | 139 | 294769 | 61.805 | ng | # | 81 |
| 27) 2,4-Dimethylphenol | 9.958 | 122 | 496873 | 53.020 | ng | | 98 |
| 28) bis(2-Chloroethoxy)met... | 10.193 | 93 | 628433 | 47.825 | ng | | 97 |
| 29) 2,4-Dichlorophenol | 10.434 | 162 | 526492 | 52.235 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 10.652 | 180 | 541583 | 45.365 | ng | | 99 |
| 31) Naphthalene | 10.834 | 128 | 1568904 | 43.077 | ng | | 98 |
| 32) Benzoic acid | 10.140 | 122 | 292708 | 55.762 | ng | | 96 |
| 33) 4-Chloroaniline | 10.952 | 127 | 140572 | 9.269 | ng | # | 90 |
| 34) Hexachlorobutadiene | 11.116 | 225 | 346526 | 46.473 | ng | | 98 |
| 35) Caprolactam | 11.752 | 113 | 128320m | 46.489 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.075 | 107 | 536334 | 50.552 | ng | | 93 |
| 37) 2-Methylnaphthalene | 12.440 | 142 | 1155806 | 44.787 | ng | # | 88 |
| 38) 1-Methylnaphthalene | 12.657 | 142 | 1075654 | 43.932 | ng | # | 95 |
| 40) 1,2,4,5-Tetrachloroben... | 12.810 | 216 | 635532 | 48.825 | ng | | 96 |
| 41) Hexachlorocyclopentadiene | 12.787 | 237 | 699153 | 96.480 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 13.046 | 196 | 436966 | 55.348 | ng | | 94 |

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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 13.122 | 196 | 475271 | 55.669 | ng | # | 93 |
| 46) 1,1'-Biphenyl | 13.440 | 154 | 1479343 | 46.691 | ng | | 99 |
| 47) 2-Chloronaphthalene | 13.487 | 162 | 1143964 | 44.419 | ng | | 99 |
| 48) 2-Nitroaniline | 13.687 | 65 | 344582 | 55.581 | ng | # | 76 |
| 49) Acenaphthylene | 14.328 | 152 | 1836674 | 45.753 | ng | | 99 |
| 50) Dimethylphthalate | 14.063 | 163 | 1625371 | 52.369 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 14.181 | 165 | 330721 | 48.220 | ng | # | 66 |
| 52) Acenaphthene | 14.669 | 154 | 1082818 | 41.495 | ng | | 97 |
| 53) 3-Nitroaniline | 14.510 | 138 | 224461 | 34.238 | ng | | 81 |
| 54) 2,4-Dinitrophenol | 14.722 | 184 | 399131 | 135.555 | ng | | 98 |
| 55) Dibenzofuran | 14.998 | 168 | 1729250 | 43.234 | ng | | 99 |
| 56) 4-Nitrophenol | 14.828 | 139 | 513646 | 88.315 | ng | # | 60 |
| 57) 2,4-Dinitrotoluene | 14.969 | 165 | 461859 | 53.890 | ng | # | 65 |
| 58) Fluorene | 15.645 | 166 | 1389649 | 43.455 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.228 | 232 | 420602m | 56.941 | ng | | |
| 60) Diethylphthalate | 15.416 | 149 | 1503484 | 48.281 | ng | | 98 |
| 61) 4-Chlorophenyl-phenyle... | 15.634 | 204 | 720672 | 45.075 | ng | | 95 |
| 62) 4-Nitroaniline | 15.669 | 138 | 345254 | 48.536 | ng | # | 51 |
| 63) Azobenzene | 15.934 | 77 | 1370772 | 42.036 | ng | | 95 |
| 65) 4,6-Dinitro-2-methylph... | 15.734 | 198 | 261469 | 57.851 | ng | | 90 |
| 66) n-Nitrosodiphenylamine | 15.851 | 169 | 1248618 | 44.692 | ng | # | 92 |
| 67) 4-Bromophenyl-phenylether | 16.534 | 248 | 488657 | 49.472 | ng | | 98 |
| 68) Hexachlorobenzene | 16.651 | 284 | 578367 | 49.177 | ng | # | 93 |
| 69) Atrazine | 16.804 | 200 | 489553 | 61.314 | ng | | 97 |
| 70) Pentachlorophenol | 16.998 | 266 | 676314 | 114.658 | ng | | 96 |
| 71) Phenanthrene | 17.387 | 178 | 2252497 | 44.096 | ng | | 99 |
| 72) Anthracene | 17.481 | 178 | 2308479 | 45.770 | ng | | 99 |
| 73) Carbazole | 17.745 | 167 | 2130702 | 42.924 | ng | | 99 |
| 74) Di-n-butylphthalate | 18.287 | 149 | 2598644 | 48.886 | ng | # | 92 |
| 75) Fluoranthene | 19.345 | 202 | 2759540 | 45.004 | ng | | 97 |
| 77) Benzidine | 19.516 | 184 | 150042 | 8.892 | ng | | 99 |
| 78) Pyrene | 19.698 | 202 | 2847464 | 45.418 | ng | | 99 |
| 80) Butylbenzylphthalate | 20.557 | 149 | 1228324 | 48.399 | ng | # | 90 |
| 81) Benzo(a)anthracene | 21.398 | 228 | 2864083 | 43.923 | ng | | 98 |
| 82) 3,3'-Dichlorobenzidine | 21.322 | 252 | 646411 | 30.691 | ng | # | 97 |
| 83) Chrysene | 21.451 | 228 | 2787731 | 44.150 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 21.310 | 149 | 1757504 | 49.623 | ng | # | 96 |
| 85) Di-n-octyl phthalate | 22.239 | 149 | 3210095 | 53.929 | ng | | 97 |
| 87) Indeno(1,2,3-cd)pyrene | 26.421 | 276 | 3636009 | 41.873 | ng | # | 93 |
| 88) Benzo(b)fluoranthene | 23.104 | 252 | 3218385 | 43.461 | ng | # | 98 |
| 89) Benzo(k)fluoranthene | 23.151 | 252 | 3052003 | 43.494 | ng | # | 96 |
| 90) Benzo(a)pyrene | 23.739 | 252 | 3053453 | 45.325 | ng | # | 96 |
| 91) Dibenzo(a,h)anthracene | 26.439 | 278 | 3097848 | 41.109 | ng | # | 95 |
| 92) Benzo(g,h,i)perylene | 27.215 | 276 | 2996490 | 41.226 | ng | # | 94 |

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

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