Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012622\
Data File : BP008936.D
Acq On : 26 Jan 2022 18:53
Operator : CG/JU
Sample : N1266-04MSD
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
RB-10-(5-6)MSD

**Manual Integrations APPROVED**

Reviewed By :Christian Giraldo 01/27/2022
Supervised By :mohammad ahmed 01/31/2022

Quant Time: Jan 27 05:23:34 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP011422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 26 01:52:51 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.834 | 152 | 212514 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.634 | 136 | 806451 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.475 | 164 | 507286 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.228 | 188 | 1041736 | 20.000 | ng | | -0.01 |
| 76) Chrysene-d12 | 21.322 | 240 | 1136473 | 20.000 | ng | | -0.01 |
| 86) Perylene-d12 | 23.733 | 264 | 1275340 | 20.000 | ng | | -0.02 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.422 | 112 | 1554919 | 113.148 | ng | | 0.00 |
| 7) Phenol-d6 | 7.016 | 99 | 1923856 | 115.608 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 8.993 | 82 | 1164785 | 82.000 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.969 | 330 | 850727 | 115.211 | ng | | -0.01 |
| 45) 2-Fluorobiphenyl | 13.099 | 172 | 2845999 | 73.984 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.792 | 244 | 4239777 | 62.971 | ng | | -0.01 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.328 | 88 | 211213 | 37.972 | ng | | 96 |
| 3) Pyridine | 3.723 | 79 | 561658 | 48.212 | ng | | 97 |
| 4) n-Nitrosodimethylamine | 3.634 | 42 | 254471 | 46.558 | ng | | 84 |
| 6) Aniline | 7.158 | 93 | 447904 | 21.565 | ng | | 97 |
| 8) 2-Chlorophenol | 7.399 | 128 | 703078 | 48.038 | ng | | 99 |
| 9) Benzaldehyde | 6.969 | 77 | 447056 | 40.195 | ng | | 98 |
| 10) Phenol | 7.040 | 94 | 870232 | 51.294 | ng | | 96 |
| 11) bis(2-Chloroethyl)ether | 7.258 | 93 | 613150 | 45.424 | ng | | 97 |
| 12) 1,3-Dichlorobenzene | 7.722 | 146 | 772033 | 44.295 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 7.869 | 146 | 787770 | 44.596 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 8.181 | 146 | 753956 | 44.762 | ng | | 99 |
| 15) Benzyl Alcohol | 8.075 | 79 | 562272 | 48.162 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.369 | 45 | 671062 | 44.455 | ng | | 99 |
| 17) 2-Methylphenol | 8.287 | 107 | 549231 | 48.323 | ng | | 97 |
| 18) Hexachloroethane | 8.911 | 117 | 265976 | 44.362 | ng | | 97 |
| 19) n-Nitroso-di-n-propyla... | 8.646 | 70 | 450669 | 46.328 | ng | | 96 |
| 20) 3+4-Methylphenols | 8.616 | 107 | 739840 | 49.034 | ng | | 99 |
| 22) Acetophenone | 8.658 | 105 | 951265 | 46.305 | ng | # | 97 |
| 24) Nitrobenzene | 9.034 | 77 | 687332 | 47.904 | ng | | 96 |
| 25) Isophorone | 9.563 | 82 | 1233344 | 48.045 | ng | | 97 |
| 26) 2-Nitrophenol | 9.746 | 139 | 368033 | 48.790 | ng | | 92 |
| 27) 2,4-Dimethylphenol | 9.816 | 122 | 615245 | 47.837 | ng | | 99 |
| 28) bis(2-Chloroethoxy)met... | 10.046 | 93 | 766740 | 45.772 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 10.293 | 162 | 670485 | 47.773 | ng | | 100 |
| 30) 1,2,4-Trichlorobenzene | 10.499 | 180 | 739260 | 44.967 | ng | | 99 |
| 31) Naphthalene | 10.681 | 128 | 2014152 | 45.984 | ng | | 99 |
| 32) Benzoic acid | 9.993 | 122 | 436055 | 59.078 | ng | | 98 |
| 33) 4-Chloroaniline | 10.799 | 127 | 214333 | 12.008 | ng | | 98 |
| 34) Hexachlorobutadiene | 10.969 | 225 | 450968 | 43.905 | ng | | 100 |
| 35) Caprolactam | 11.593 | 113 | 194796m | 50.348 | ng | | |
| 36) 4-Chloro-3-methylphenol | 11.940 | 107 | 631390 | 49.866 | ng | | 99 |
| 37) 2-Methylnaphthalene | 12.299 | 142 | 1452145 | 45.351 | ng | | 98 |
| 38) 1-Methylnaphthalene | 12.516 | 142 | 1368355 | 46.557 | ng | | 98 |
| 40) 1,2,4,5-Tetrachloroben... | 12.669 | 216 | 824270 | 44.564 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 12.646 | 237 | 649939 | 68.673 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 12.910 | 196 | 548392 | 47.953 | ng | | 98 |

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 26 01:52:51 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 12.993 | 196 | 587560 | 47.736 | ng | | 97 |
| 46) 1,1'-Biphenyl | 13.310 | 154 | 1879163 | 45.531 | ng | | 100 |
| 47) 2-Chloronaphthalene | 13.351 | 162 | 1466318 | 46.076 | ng | | 100 |
| 48) 2-Nitroaniline | 13.557 | 65 | 363523 | 51.446 | ng | | 98 |
| 49) Acenaphthylene | 14.198 | 152 | 2330094 | 48.462 | ng | | 100 |
| 50) Dimethylphthalate | 13.934 | 163 | 1765116 | 46.851 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 14.051 | 165 | 393151 | 49.202 | ng | | 90 |
| 52) Acenaphthene | 14.540 | 154 | 1351307 | 47.386 | ng | | 100 |
| 53) 3-Nitroaniline | 14.381 | 138 | 138519 | 17.627 | ng | | 98 |
| 54) 2,4-Dinitrophenol | 14.598 | 184 | 365232 | 113.021 | ng | | 93 |
| 55) Dibenzofuran | 14.875 | 168 | 2194549 | 47.227 | ng | | 99 |
| 56) 4-Nitrophenol | 14.716 | 139 | 661613 | 116.918 | ng | | 93 |
| 57) 2,4-Dinitrotoluene | 14.845 | 165 | 541300 | 52.667 | ng | # | 88 |
| 58) Fluorene | 15.528 | 166 | 1763789 | 48.056 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.110 | 232 | 505233 | 49.831 | ng | # | 88 |
| 60) Diethylphthalate | 15.304 | 149 | 1710709 | 47.855 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 15.522 | 204 | 937413 | 46.886 | ng | | 99 |
| 62) 4-Nitroaniline | 15.551 | 138 | 354098 | 46.526 | ng | | 91 |
| 63) Azobenzene | 15.810 | 77 | 1463276 | 49.303 | ng | | 93 |
| 65) 4,6-Dinitro-2-methylph... | 15.616 | 198 | 252262 | 48.469 | ng | | 92 |
| 66) n-Nitrosodiphenylamine | 15.734 | 169 | 1549467 | 46.215 | ng | | 98 |
| 67) 4-Bromophenyl-phenylether | 16.416 | 248 | 585612 | 45.019 | ng | | 98 |
| 68) Hexachlorobenzene | 16.540 | 284 | 670612 | 44.989 | ng | | 97 |
| 69) Atrazine | 16.698 | 200 | 578968 | 46.469 | ng | | 98 |
| 70) Pentachlorophenol | 16.887 | 266 | 843827 | 106.276 | ng | | 99 |
| 71) Phenanthrene | 17.275 | 178 | 2774642 | 47.306 | ng | | 99 |
| 72) Anthracene | 17.363 | 178 | 2843742 | 48.331 | ng | | 100 |
| 73) Carbazole | 17.639 | 167 | 2583386 | 51.063 | ng | | 99 |
| 74) Di-n-butylphthalate | 18.192 | 149 | 2983201 | 48.997 | ng | | 99 |
| 75) Fluoranthene | 19.245 | 202 | 3364124 | 51.577 | ng | | 96 |
| 77) Benzidine | 19.422 | 184 | 2089017 | 52.032 | ng | | 98 |
| 78) Pyrene | 19.598 | 202 | 3470332 | 43.763 | ng | | 98 |
| 80) Butylbenzylphthalate | 20.469 | 149 | 1386620 | 43.478 | ng | | 98 |
| 81) Benzo(a)anthracene | 21.310 | 228 | 3645077 | 47.675 | ng | | 98 |
| 82) 3,3'-Dichlorobenzidine | 21.239 | 252 | 934139 | 28.281 | ng | | 98 |
| 83) Chrysene | 21.363 | 228 | 3429289 | 46.269 | ng | | 98 |
| 84) Bis(2-ethylhexyl)phtha... | 21.233 | 149 | 2034025 | 41.184 | ng | | 97 |
| 85) Di-n-octyl phthalate | 22.157 | 149 | 3633313 | 43.487 | ng | | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 26.257 | 276 | 4773013 | 45.418 | ng | | 98 |
| 88) Benzo(b)fluoranthene | 22.998 | 252 | 4001258 | 46.979 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 23.045 | 252 | 3946003 | 47.863 | ng | | 99 |
| 90) Benzo(a)pyrene | 23.627 | 252 | 3939288 | 47.918 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 26.268 | 278 | 4106638 | 45.956 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 27.027 | 276 | 3957147 | 45.355 | ng | | 98 |

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

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