Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM022422\
Data File : BM034068.D
Acq On : 24 Feb 2022 15:34
Operator : CG/JU
Sample : PB142897BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 25 01:10:34 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM022222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 22 17:55:56 2022
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
PB142897BS

**Manual Integrations APPROVED**

Reviewed By :Christian Giraldo 02/25/2022
Supervised By :mohammad ahmed 02/28/2022

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 8.013 | 152 | 189555 | 20.000 | ng | | -0.01 |
| 21) Naphthalene-d8 | 10.830 | 136 | 760981 | 20.000 | ng | | # 0.00 |
| 39) Acenaphthene-d10 | 14.648 | 164 | 509521 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.389 | 188 | 1004272 | 20.000 | ng | | # 0.00 |
| 76) Chrysene-d12 | 21.559 | 240 | 838346 | 20.000 | ng | | # 0.00 |
| 86) Perylene-d12 | 24.018 | 264 | 792579 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.566 | 112 | 1525746 | 143.485 | ng | | 0.00 |
| 7) Phenol-d6 | 7.172 | 99 | 1844910 | 132.125 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.178 | 82 | 1234420 | 87.540 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.130 | 330 | 966238 | 156.250 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.283 | 172 | 3514015 | 91.885 | ng | | 0.00 |
| 79) Terphenyl-d14 | 20.006 | 244 | 4748889 | 98.640 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.425 | 88 | 134261 | 32.840 | ng | | 86 |
| 3) Pyridine | 3.831 | 79 | 356487 | 31.038 | ng | | 88 |
| 4) n-Nitrosodimethylamine | 3.737 | 42 | 270838 | 47.143 | ng | # | 87 |
| 6) Aniline | 7.331 | 93 | 577674 | 37.440 | ng | | 94 |
| 8) 2-Chlorophenol | 7.572 | 128 | 592471 | 49.803 | ng | | 83 |
| 9) Benzaldehyde | 7.137 | 77 | 303748 | 38.749 | ng | | 86 |
| 10) Phenol | 7.195 | 94 | 666918 | 48.559 | ng | | 95 |
| 11) bis(2-Chloroethyl)ether | 7.431 | 93 | 477576 | 43.579 | ng | | 89 |
| 12) 1,3-Dichlorobenzene | 7.901 | 146 | 655788 | 46.897 | ng | # | 94 |
| 13) 1,4-Dichlorobenzene | 8.048 | 146 | 669383 | 46.834 | ng | | 95 |
| 14) 1,2-Dichlorobenzene | 8.372 | 146 | 640919 | 45.946 | ng | | 95 |
| 15) Benzyl Alcohol | 8.248 | 79 | 506132 | 47.006 | ng | | 94 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.548 | 45 | 566717 | 38.893 | ng | | 92 |
| 17) 2-Methylphenol | 8.454 | 107 | 469283 | 48.510 | ng | | 96 |
| 18) Hexachloroethane | 9.107 | 117 | 234460 | 47.932 | ng | # | 85 |
| 19) n-Nitroso-di-n-propyla... | 8.825 | 70 | 398352 | 44.137 | ng | # | 94 |
| 20) 3+4-Methylphenols | 8.784 | 107 | 628784 | 47.073 | ng | | 95 |
| 22) Acetophenone | 8.836 | 105 | 834909 | 45.422 | ng | # | 92 |
| 24) Nitrobenzene | 9.219 | 77 | 614991 | 46.846 | ng | # | 89 |
| 25) Isophorone | 9.754 | 82 | 1059811 | 46.561 | ng | # | 91 |
| 26) 2-Nitrophenol | 9.936 | 139 | 322008 | 52.059 | ng | # | 76 |
| 27) 2,4-Dimethylphenol | 9.995 | 122 | 551393 | 55.176 | ng | | 92 |
| 28) bis(2-Chloroethoxy)met... | 10.230 | 93 | 657199 | 42.700 | ng | | 97 |
| 29) 2,4-Dichlorophenol | 10.472 | 162 | 633451 | 51.267 | ng | | 94 |
| 30) 1,2,4-Trichlorobenzene | 10.689 | 180 | 687863 | 47.421 | ng | | 97 |
| 31) Naphthalene | 10.878 | 128 | 1818062 | 46.501 | ng | | 99 |
| 32) Benzoic acid | 10.131 | 122 | 372299 | 49.191 | ng | # | 85 |
| 33) 4-Chloroaniline | 10.977 | 127 | 179703 | 11.226 | ng | # | 89 |
| 34) Hexachlorobutadiene | 11.177 | 225 | 449707 | 48.794 | ng | | 96 |
| 35) Caprolactam | 11.760 | 113 | 161116m | 64.686 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.101 | 107 | 594999 | 48.905 | ng | # | 84 |
| 37) 2-Methylnaphthalene | 12.483 | 142 | 1386500 | 48.608 | ng | | 98 |
| 38) 1-Methylnaphthalene | 12.701 | 142 | 1296026 | 46.600 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 12.854 | 216 | 829929 | 50.948 | ng | | 98 |
| 41) Hexachlorocyclopentadiene | 12.842 | 237 | 1181633 | 124.176 | ng | | 97 |
| 43) 2,4,6-Trichlorophenol | 13.083 | 196 | 544899 | 52.897 | ng | | 98 |

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| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 44) | 2,4,5-Trichlorophenol | 13.154 | 196 | 586861 | 56.080 | ng | # | 91 |
| 46) | 1,1'-Biphenyl | 13.489 | 154 | 1874870 | 48.161 | ng | | 97 |
| 47) | 2-Chloronaphthalene | 13.530 | 162 | 1453909 | 47.829 | ng | | 95 |
| 48) | 2-Nitroaniline | 13.719 | 65 | 363011 | 50.285 | ng | # | 78 |
| 49) | Acenaphthylene | 14.371 | 152 | 2288164 | 50.228 | ng | | 99 |
| 50) | Dimethylphthalate | 14.107 | 163 | 1795736 | 47.538 | ng | | 98 |
| 51) | 2,6-Dinitrotoluene | 14.218 | 165 | 392059 | 52.451 | ng | # | 79 |
| 52) | Acenaphthene | 14.713 | 154 | 1637322 | 54.392 | ng | | 99 |
| 53) | 3-Nitroaniline | 14.542 | 138 | 175894 | 23.526 | ng | | 83 |
| 54) | 2,4-Dinitrophenol | 14.748 | 184 | 464630 | 109.981 | ng | # | 78 |
| 55) | Dibenzofuran | 15.048 | 168 | 2204169 | 46.877 | ng | | 98 |
| 56) | 4-Nitrophenol | 14.848 | 139 | 613591 | 101.535 | ng | # | 78 |
| 57) | 2,4-Dinitrotoluene | 15.001 | 165 | 530375 | 54.564 | ng | # | 75 |
| 58) | Fluorene | 15.695 | 166 | 1843570 | 48.774 | ng | | 99 |
| 59) | 2,3,4,6-Tetrachlorophenol | 15.271 | 232 | 510947 | 49.846 | ng | | 89 |
| 60) | Diethylphthalate | 15.465 | 149 | 1779968 | 47.122 | ng | | 99 |
| 61) | 4-Chlorophenyl-phenyle... | 15.689 | 204 | 966555 | 47.751 | ng | | 94 |
| 62) | 4-Nitroaniline | 15.701 | 138 | 367929 | 47.419 | ng | | 87 |
| 63) | Azobenzene | 15.977 | 77 | 1480440 | 45.118 | ng | | 94 |
| 65) | 4,6-Dinitro-2-methylph... | 15.760 | 198 | 285126 | 48.438 | ng | # | 71 |
| 66) | n-Nitrosodiphenylamine | 15.901 | 169 | 1561817 | 49.675 | ng | | 99 |
| 67) | 4-Bromophenyl-phenylether | 16.577 | 248 | 586156 | 51.667 | ng | | 94 |
| 68) | Hexachlorobenzene | 16.701 | 284 | 671407 | 51.363 | ng | # | 89 |
| 69) | Atrazine | 16.848 | 200 | 568276 | 54.640 | ng | | 98 |
| 70) | Pentachlorophenol | 17.036 | 266 | 855213 | 108.297 | ng | | 98 |
| 71) | Phenanthrene | 17.430 | 178 | 2721756 | 48.859 | ng | | 99 |
| 72) | Anthracene | 17.524 | 178 | 2749716 | 50.723 | ng | | 100 |
| 73) | Carbazole | 17.783 | 167 | 2337801 | 45.800 | ng | | 99 |
| 74) | Di-n-butylphthalate | 18.359 | 149 | 2766778 | 47.650 | ng | | 99 |
| 75) | Fluoranthene | 19.442 | 202 | 2919750 | 47.707 | ng | | 96 |
| 77) | Benzidine | 19.612 | 184 | 1017997 | 65.203 | ng | | 100 |
| 78) | Pyrene | 19.800 | 202 | 2953253 | 51.293 | ng | | 99 |
| 80) | Butylbenzylphthalate | 20.695 | 149 | 1056529 | 48.189 | ng | | 89 |
| 81) | Benzo(a)anthracene | 21.542 | 228 | 2640812 | 48.413 | ng | | 98 |
| 82) | 3,3'-Dichlorobenzidine | 21.471 | 252 | 628457 | 34.114 | ng | # | 99 |
| 83) | Chrysene | 21.600 | 228 | 2503497 | 48.046 | ng | | 99 |
| 84) | Bis(2-ethylhexyl)phtha... | 21.477 | 149 | 1540377 | 45.992 | ng | # | 99 |
| 85) | Di-n-octyl phthalate | 22.424 | 149 | 2372271 | 44.690 | ng | # | 90 |
| 87) | Indeno(1,2,3-cd)pyrene | 26.594 | 276 | 2876878 | 51.055 | ng | # | 95 |
| 88) | Benzo(b)fluoranthene | 23.271 | 252 | 2599089 | 52.328 | ng | # | 97 |
| 89) | Benzo(k)fluoranthene | 23.318 | 252 | 2472838 | 49.907 | ng | # | 96 |
| 90) | Benzo(a)pyrene | 23.912 | 252 | 2456898 | 60.196 | ng | # | 98 |
| 91) | Dibenzo(a,h)anthracene | 26.612 | 278 | 2497394 | 52.699 | ng | | 96 |
| 92) | Benzo(g,h,i)perylene | 27.382 | 276 | 2467393 | 53.746 | ng | | 97 |

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

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