Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080222\
Data File : BG054479.D
Acq On : 2 Aug 2022 11:57
Operator : CG/JU
Sample : PB146540BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
PB146540BS

**Manual Integrations APPROVED**
Reviewed By :Christian Giraldo 08/03/2022
Supervised By :Jagrut Upadhyay 08/04/2022

Quant Time: Aug 03 04:13:09 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 28 04:30:50 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.985 | 152 | 18657 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 10.794 | 136 | 69173 | 20.000 | ng | # 0.00 |
| 39) Acenaphthene-d10 | 14.624 | 164 | 52783 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 17.368 | 188 | 143681 | 20.000 | ng | # 0.00 |
| 76) Chrysene-d12 | 21.640 | 240 | 177669 | 20.000 | ng | # 0.00 |
| 86) Perylene-d12 | 24.848 | 264 | 180800 | 20.000 | ng | 0.01 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.564 | 112 | 115557 | 129.319 | ng | 0.00 |
| 7) Phenol-d6 | 7.180 | 99 | 147012 | 120.066 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 9.148 | 82 | 95683 | 75.327 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.123 | 330 | 126582 | 114.218 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 13.244 | 172 | 285945 | 76.423 | ng | 0.00 |
| 79) Terphenyl-d14 | 19.977 | 244 | 738940 | 82.508 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.402 | 88 | 9704 | 27.297 | ng | # 94 |
| 3) Pyridine | 3.808 | 79 | 27159 | 30.115 | ng | 98 |
| 4) n-Nitrosodimethylamine | 3.725 | 42 | 21361 | 42.361 | ng | # 77 |
| 6) Aniline | 7.309 | 93 | 52834 | 37.382 | ng | 98 |
| 8) 2-Chlorophenol | 7.562 | 128 | 44312 | 43.151 | ng | 92 |
| 9) Benzaldehyde | 7.115 | 77 | 21956 | 33.987 | ng | 78 |
| 10) Phenol | 7.209 | 94 | 52690 | 43.312 | ng | 96 |
| 11) bis(2-Chloroethyl)ether | 7.397 | 93 | 37363 | 42.123 | ng | 90 |
| 12) 1,3-Dichlorobenzene | 7.873 | 146 | 51724 | 41.339 | ng | 90 |
| 13) 1,4-Dichlorobenzene | 8.020 | 146 | 52458 | 40.599 | ng | 96 |
| 14) 1,2-Dichlorobenzene | 8.338 | 146 | 51171 | 41.997 | ng | 98 |
| 15) Benzyl Alcohol | 8.232 | 79 | 42216m | 41.920 | ng | |
| 16) 2,2'-oxybis(1-Chloropr... | 8.508 | 45 | 48068 | 43.029 | ng | 93 |
| 17) 2-Methylphenol | 8.455 | 107 | 37101 | 42.312 | ng | 95 |
| 18) Hexachloroethane | 9.066 | 117 | 18086 | 42.273 | ng | # 66 |
| 19) n-Nitroso-di-n-propyla... | 8.790 | 70 | 32032 | 39.176 | ng | 98 |
| 20) 3+4-Methylphenols | 8.784 | 107 | 48717 | 39.432 | ng | 94 |
| 22) Acetophenone | 8.808 | 105 | 67079 | 40.319 | ng | # 98 |
| 24) Nitrobenzene | 9.195 | 77 | 49407 | 39.800 | ng | # 84 |
| 25) Isophorone | 9.718 | 82 | 88899 | 40.242 | ng | # 92 |
| 26) 2-Nitrophenol | 9.906 | 139 | 25871 | 41.345 | ng | # 86 |
| 27) 2,4-Dimethylphenol | 9.983 | 122 | 40346 | 46.675 | ng | 95 |
| 28) bis(2-Chloroethoxy)met... | 10.194 | 93 | 50038 | 44.910 | ng | 97 |
| 29) 2,4-Dichlorophenol | 10.464 | 162 | 52912 | 40.553 | ng | 88 |
| 30) 1,2,4-Trichlorobenzene | 10.658 | 180 | 61365 | 37.976 | ng | 92 |
| 31) Naphthalene | 10.846 | 128 | 132170 | 38.064 | ng | 97 |
| 32) Benzoic acid | 10.153 | 122 | 10509m | 33.405 | ng | |
| 33) 4-Chloroaniline | 10.958 | 127 | 52073 | 36.877 | ng | 94 |
| 34) Hexachlorobutadiene | 11.123 | 225 | 55528 | 38.883 | ng | 96 |
| 35) Caprolactam | 11.734 | 113 | 13638m | 41.513 | ng | |
| 36) 4-Chloro-3-methylphenol | 12.110 | 107 | 47800 | 40.270 | ng | # 84 |
| 37) 2-Methylnaphthalene | 12.450 | 142 | 101688 | 38.135 | ng | 98 |
| 38) 1-Methylnaphthalene | 12.674 | 142 | 97001 | 37.332 | ng | 98 |
| 40) 1,2,4,5-Tetrachloroben... | 12.826 | 216 | 92978 | 40.207 | ng | # 96 |
| 41) Hexachlorocyclopentadiene | 12.797 | 237 | 42210 | 58.731 | ng | 95 |
| 43) 2,4,6-Trichlorophenol | 13.073 | 196 | 50366 | 40.001 | ng | 95 |

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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 13.161 | 196 | 52097 | 36.619 | ng | # | 91 |
| 46) 1,1'-Biphenyl | 13.455 | 154 | 147216 | 40.768 | ng | | 96 |
| 47) 2-Chloronaphthalene | 13.502 | 162 | 120704 | 39.942 | ng | | 96 |
| 48) 2-Nitroaniline | 13.708 | 65 | 33805 | 42.863 | ng | | 93 |
| 49) Acenaphthylene | 14.348 | 152 | 177456 | 39.519 | ng | | 99 |
| 50) Dimethylphthalate | 14.078 | 163 | 166763 | 40.448 | ng | # | 99 |
| 51) 2,6-Dinitrotoluene | 14.201 | 165 | 37590 | 41.568 | ng | # | 76 |
| 52) Acenaphthene | 14.689 | 154 | 108530 | 39.913 | ng | | 98 |
| 53) 3-Nitroaniline | 14.536 | 138 | 28397 | 37.547 | ng | | 91 |
| 54) 2,4-Dinitrophenol | 14.759 | 184 | 38005 | 73.033 | ng | # | 78 |
| 55) Dibenzofuran | 15.024 | 168 | 193460 | 39.986 | ng | | 95 |
| 56) 4-Nitrophenol | 14.895 | 139 | 32998 | 65.396 | ng | | 97 |
| 57) 2,4-Dinitrotoluene | 15.000 | 165 | 54573 | 42.096 | ng | # | 85 |
| 58) Fluorene | 15.670 | 166 | 158934 | 39.954 | ng | | 95 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.265 | 232 | 48656 | 35.128 | ng | # | 87 |
| 60) Diethylphthalate | 15.435 | 149 | 162667 | 41.128 | ng | | 95 |
| 61) 4-Chlorophenyl-phenyle... | 15.658 | 204 | 107982 | 41.354 | ng | # | 87 |
| 62) 4-Nitroaniline | 15.700 | 138 | 33643 | 42.340 | ng | # | 82 |
| 63) Azobenzene | 15.952 | 77 | 117669 | 41.175 | ng | | 85 |
| 65) 4,6-Dinitro-2-methylph... | 15.770 | 198 | 32345 | 36.438 | ng | | 78 |
| 66) n-Nitrosodiphenylamine | 15.876 | 169 | 145243 | 40.489 | ng | | 96 |
| 67) 4-Bromophenyl-phenylether | 16.551 | 248 | 81009 | 40.145 | ng | # | 90 |
| 68) Hexachlorobenzene | 16.687 | 284 | 93595 | 40.558 | ng | # | 88 |
| 69) Atrazine | 16.828 | 200 | 77215 | 48.371 | ng | | 95 |
| 70) Pentachlorophenol | 17.039 | 266 | 46573 | 48.112 | ng | | 99 |
| 71) Phenanthrene | 17.415 | 178 | 287284 | 40.150 | ng | | 99 |
| 72) Anthracene | 17.503 | 178 | 291773 | 41.554 | ng | | 99 |
| 73) Carbazole | 17.779 | 167 | 253755 | 43.896 | ng | | 98 |
| 74) Di-n-butylphthalate | 18.320 | 149 | 299100 | 43.845 | ng | | 98 |
| 75) Fluoranthene | 19.425 | 202 | 405866 | 41.611 | ng | | 95 |
| 77) Benzidine | 19.601 | 184 | 202266 | 62.860 | ng | | 97 |
| 78) Pyrene | 19.789 | 202 | 412909 | 40.503 | ng | | 99 |
| 80) Butylbenzylphthalate | 20.664 | 149 | 134561 | 42.356 | ng | # | 82 |
| 81) Benzo(a)anthracene | 21.622 | 228 | 447448 | 39.673 | ng | | 100 |
| 82) 3,3'-Dichlorobenzidine | 21.528 | 252 | 141996 | 40.483 | ng | # | 97 |
| 83) Chrysene | 21.687 | 228 | 415702 | 39.013 | ng | | 97 |
| 84) Bis(2-ethylhexyl)phtha... | 21.510 | 149 | 188022 | 41.826 | ng | # | 92 |
| 85) Di-n-octyl phthalate | 22.703 | 149 | 314953 | 41.068 | ng | # | 93 |
| 87) Indeno(1,2,3-cd)pyrene | 28.537 | 276 | 547840 | 39.831 | ng | # | 98 |
| 88) Benzo(b)fluoranthene | 23.825 | 252 | 469053 | 43.868 | ng | # | 97 |
| 89) Benzo(k)fluoranthene | 23.896 | 252 | 459022 | 43.136 | ng | # | 98 |
| 90) Benzo(a)pyrene | 24.701 | 252 | 418352 | 45.815 | ng | # | 99 |
| 91) Dibenzo(a,h)anthracene | 28.584 | 278 | 481031 | 42.532 | ng | # | 98 |
| 92) Benzo(g,h,i)perylene | 29.689 | 276 | 471857 | 42.271 | ng | # | 93 |

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

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