Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101821\
Data File : BG050620.D
Acq On : 18 Oct 2021 16:49
Operator : CG/JU
Sample : M4249-04MSD
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
TP1-(D)MSD

**Manual Integrations APPROVED**
mohammad
10/19/2021 12:09:06 PM

Quant Time: Oct 18 17:28:45 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100621.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 14 10:56:22 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 8.253 | 152 | 43965 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 11.079 | 136 | 195247 | 20.00 | ng | | # 0.00 |
| 39) Acenaphthene-d10 | 14.875 | 164 | 133691 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.619 | 188 | 293810 | 20.00 | ng | | # 0.00 |
| 76) Chrysene-d12 | 21.920 | 240 | 250040 | 20.00 | ng | | # 0.00 |
| 86) Perylene-d12 | 25.333 | 264 | 250667 | 20.00 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.792 | 112 | 349976 | 119.05 | ng | | 0.00 |
| 7) Phenol-d6 | 7.401 | 99 | 472064 | 110.91 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.428 | 82 | 326242 | 69.17 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.356 | 330 | 132173 | 103.65 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.500 | 172 | 593215 | 66.78 | ng | | 0.00 |
| 79) Terphenyl-d14 | 20.204 | 244 | 911016 | 71.01 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.653 | 88 | 55712 | 36.59 | ng | | 91 |
| 3) Pyridine | 4.058 | 79 | 126503 | 30.41 | ng | # | 92 |
| 4) n-Nitrosodimethylamine | 3.976 | 42 | 84224 | 42.97 | ng | # | 52 |
| 6) Aniline | 7.572 | 93 | 159084 | 32.17 | ng | # | 90 |
| 8) 2-Chlorophenol | 7.813 | 128 | 142323 | 50.28 | ng | | 89 |
| 9) Benzaldehyde | 7.384 | 77 | 106320 | 39.57 | ng | | 93 |
| 10) Phenol | 7.425 | 94 | 205023 | 49.54 | ng | | 86 |
| 11) bis(2-Chloroethyl)ether | 7.666 | 93 | 144856 | 44.85 | ng | | 86 |
| 12) 1,3-Dichlorobenzene | 8.142 | 146 | 144778 | 44.31 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 8.289 | 146 | 147860 | 44.89 | ng | | 94 |
| 14) 1,2-Dichlorobenzene | 8.612 | 146 | 141563 | 44.99 | ng | | 97 |
| 15) Benzyl Alcohol | 8.488 | 79 | 161128 | 47.90 | ng | | 91 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.776 | 45 | 237105 | 45.01 | ng | | 87 |
| 17) 2-Methylphenol | 8.688 | 107 | 135113 | 49.62 | ng | | 92 |
| 18) Hexachloroethane | 9.346 | 117 | 57477 | 46.10 | ng | | 95 |
| 19) n-Nitroso-di-n-propyla... | 9.058 | 70 | 137090 | 44.19 | ng | # | 88 |
| 20) 3+4-Methylphenols | 9.017 | 107 | 186256 | 48.60 | ng | | 94 |
| 22) Acetophenone | 9.082 | 105 | 226611 | 40.82 | ng | # | 96 |
| 24) Nitrobenzene | 9.470 | 77 | 201710 | 43.01 | ng | | 96 |
| 25) Isophorone | 9.992 | 82 | 347381 | 41.52 | ng | # | 95 |
| 26) 2-Nitrophenol | 10.180 | 139 | 79367 | 46.09 | ng | # | 92 |
| 27) 2,4-Dimethylphenol | 10.227 | 122 | 146551 | 49.26 | ng | | 95 |
| 28) bis(2-Chloroethoxy)met... | 10.468 | 93 | 197840 | 41.36 | ng | | 94 |
| 29) 2,4-Dichlorophenol | 10.721 | 162 | 141009 | 46.50 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 10.938 | 180 | 140525 | 40.80 | ng | | 98 |
| 31) Naphthalene | 11.132 | 128 | 441206 | 42.22 | ng | | 99 |
| 32) Benzoic acid | 10.368 | 122 | 85062 | 38.52 | ng | # | 73 |
| 33) 4-Chloroaniline | 11.232 | 127 | 65934 | 15.04 | ng | | 97 |
| 34) Hexachlorobutadiene | 11.403 | 225 | 86411 | 39.96 | ng | | 93 |
| 35) Caprolactam | 12.008 | 113 | 53992m | 46.52 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.337 | 107 | 172782 | 45.59 | ng | # | 89 |
| 37) 2-Methylnaphthalene | 12.719 | 142 | 313016 | 43.41 | ng | | 94 |
| 38) 1-Methylnaphthalene | 12.936 | 142 | 292660 | 41.85 | ng | | 94 |
| 40) 1,2,4,5-Tetrachloroben... | 13.077 | 216 | 157620 | 39.92 | ng | | 97 |
| 41) Hexachlorocyclopentadiene | 13.054 | 237 | 199217 | 87.31 | ng | | 92 |
| 43) 2,4,6-Trichlorophenol | 13.312 | 196 | 117163 | 42.11 | ng | | 91 |

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|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 13.383 | 196 | 127627 | 43.88 | ng | | 92 |
| 46) 1,1'-Biphenyl | 13.712 | 154 | 389471 | 39.94 | ng | | 93 |
| 47) 2-Chloronaphthalene | 13.759 | 162 | 311314 | 41.58 | ng | | 99 |
| 48) 2-Nitroaniline | 13.958 | 65 | 130430 | 43.79 | ng | | 94 |
| 49) Acenaphthylene | 14.599 | 152 | 511335 | 41.68 | ng | | 97 |
| 50) Dimethylphthalate | 14.317 | 163 | 417873 | 41.35 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 14.446 | 165 | 91091 | 45.00 | ng | | 89 |
| 52) Acenaphthene | 14.940 | 154 | 360650m | 45.75 | ng | | |
| 53) 3-Nitroaniline | 14.775 | 138 | 54438 | 22.74 | ng | | 87 |
| 54) 2,4-Dinitrophenol | 14.981 | 184 | 102336 | 81.50 | ng | | 87 |
| 55) Dibenzofuran | 15.269 | 168 | 485341 | 39.80 | ng | | 98 |
| 56) 4-Nitrophenol | 15.075 | 139 | 162457 | 84.36 | ng | # | 80 |
| 57) 2,4-Dinitrotoluene | 15.227 | 165 | 126950 | 44.50 | ng | | 93 |
| 58) Fluorene | 15.921 | 166 | 387316 | 41.35 | ng | | 96 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.492 | 232 | 102843 | 40.59 | ng | | 94 |
| 60) Diethylphthalate | 15.668 | 149 | 436568 | 41.12 | ng | | 96 |
| 61) 4-Chlorophenyl-phenyle... | 15.903 | 204 | 206498 | 40.30 | ng | | 98 |
| 62) 4-Nitroaniline | 15.938 | 138 | 99080 | 39.78 | ng | # | 68 |
| 63) Azobenzene | 16.197 | 77 | 491901 | 40.02 | ng | | 82 |
| 65) 4,6-Dinitro-2-methylph... | 15.985 | 198 | 69406 | 39.33 | ng | | 82 |
| 66) n-Nitrosodiphenylamine | 16.115 | 169 | 346888 | 41.55 | ng | | 96 |
| 67) 4-Bromophenyl-phenylether | 16.796 | 248 | 122986 | 41.54 | ng | | 97 |
| 68) Hexachlorobenzene | 16.920 | 284 | 127155 | 43.21 | ng | # | 93 |
| 69) Atrazine | 17.055 | 200 | 141669 | 43.08 | ng | | 98 |
| 70) Pentachlorophenol | 17.260 | 266 | 154922 | 77.34 | ng | | 97 |
| 71) Phenanthrene | 17.660 | 178 | 656027 | 42.37 | ng | | 97 |
| 72) Anthracene | 17.754 | 178 | 659724 | 42.88 | ng | | 98 |
| 73) Carbazole | 18.018 | 167 | 606648 | 39.56 | ng | | 98 |
| 74) Di-n-butylphthalate | 18.553 | 149 | 757061 | 42.07 | ng | # | 97 |
| 75) Fluoranthene | 19.658 | 202 | 778259 | 40.89 | ng | | 96 |
| 77) Benzidine | 19.828 | 184 | 243549 | 30.05 | ng | | 97 |
| 78) Pyrene | 20.016 | 202 | 784638 | 44.23 | ng | | 98 |
| 80) Butylbenzylphthalate | 20.886 | 149 | 331897 | 44.23 | ng | | 95 |
| 81) Benzo(a)anthracene | 21.896 | 228 | 700548 | 42.34 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.802 | 252 | 151552 | 27.64 | ng | # | 98 |
| 83) Chrysene | 21.967 | 228 | 672929 | 43.24 | ng | | 96 |
| 84) Bis(2-ethylhexyl)phtha... | 21.773 | 149 | 477959 | 44.83 | ng | # | 96 |
| 85) Di-n-octyl phthalate | 23.048 | 149 | 808848 | 45.48 | ng | | 97 |
| 87) Indeno(1,2,3-cd)pyrene | 29.258 | 276 | 773123 | 44.28 | ng | # | 89 |
| 88) Benzo(b)fluoranthene | 24.240 | 252 | 704426 | 45.89 | ng | # | 93 |
| 89) Benzo(k)fluoranthene | 24.311 | 252 | 671665 | 44.47 | ng | # | 98 |
| 90) Benzo(a)pyrene | 25.175 | 252 | 686412 | 52.59 | ng | # | 94 |
| 91) Dibenzo(a,h)anthracene | 29.329 | 278 | 646015 | 44.74 | ng | # | 91 |
| 92) Benzo(g,h,i)perylene | 30.486 | 276 | 639804 | 45.24 | ng | # | 91 |

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

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