Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102121\
Data File : BG050665.D
Acq On : 21 Oct 2021 13:05
Operator : CG/JU
Sample : PB140074BSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
PB140074BSD

**Manual Integrations APPROVED**
mohammad
10/22/2021 2:54:11 PM

Quant Time: Oct 21 13:45:36 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 | 39394 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 11.079 | 136 | 176934 | 20.00 | ng | | # 0.00 |
| 39) Acenaphthene-d10 | 14.875 | 164 | 114523 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.619 | 188 | 251767 | 20.00 | ng | | # 0.00 |
| 76) Chrysene-d12 | 21.920 | 240 | 195124 | 20.00 | ng | | # 0.00 |
| 86) Perylene-d12 | 25.333 | 264 | 189927 | 20.00 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.792 | 112 | 340155 | 129.13 | ng | | 0.00 |
| 7) Phenol-d6 | 7.401 | 99 | 457195 | 119.88 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.428 | 82 | 325062 | 76.05 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.361 | 330 | 131438 | 120.33 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.500 | 172 | 598862 | 78.70 | ng | | 0.00 |
| 79) Terphenyl-d14 | 20.204 | 244 | 881214 | 88.01 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.647 | 88 | 36096 | 26.46 | ng | | 90 |
| 3) Pyridine | 4.058 | 79 | 96774 | 25.97 | ng | | 91 |
| 4) n-Nitrosodimethylamine | 3.970 | 42 | 72863 | 41.49 | ng | # | 52 |
| 6) Aniline | 7.572 | 93 | 202812 | 45.77 | ng | | 93 |
| 8) 2-Chlorophenol | 7.813 | 128 | 123796 | 48.81 | ng | | 89 |
| 9) Benzaldehyde | 7.384 | 77 | 101259 | 42.41 | ng | | 90 |
| 10) Phenol | 7.425 | 94 | 171834 | 46.34 | ng | | 86 |
| 11) bis(2-Chloroethyl)ether | 7.660 | 93 | 126023 | 43.54 | ng | | 85 |
| 12) 1,3-Dichlorobenzene | 8.142 | 146 | 125889 | 43.00 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 8.289 | 146 | 128558 | 43.56 | ng | | 95 |
| 14) 1,2-Dichlorobenzene | 8.612 | 146 | 125229 | 44.42 | ng | | 95 |
| 15) Benzyl Alcohol | 8.488 | 79 | 141668 | 47.01 | ng | | 92 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.770 | 45 | 208132 | 44.10 | ng | | 85 |
| 17) 2-Methylphenol | 8.688 | 107 | 115620 | 47.39 | ng | | 91 |
| 18) Hexachloroethane | 9.346 | 117 | 50514 | 45.22 | ng | | 95 |
| 19) n-Nitroso-di-n-propyla... | 9.058 | 70 | 121208 | 43.60 | ng | # | 88 |
| 20) 3+4-Methylphenols | 9.017 | 107 | 159906 | 46.56 | ng | | 97 |
| 22) Acetophenone | 9.082 | 105 | 201102 | 39.98 | ng | # | 97 |
| 24) Nitrobenzene | 9.470 | 77 | 173598 | 40.85 | ng | | 95 |
| 25) Isophorone | 9.987 | 82 | 308763 | 40.73 | ng | # | 95 |
| 26) 2-Nitrophenol | 10.186 | 139 | 71518 | 45.83 | ng | # | 93 |
| 27) 2,4-Dimethylphenol | 10.228 | 122 | 127078 | 47.13 | ng | | 94 |
| 28) bis(2-Chloroethoxy)met... | 10.468 | 93 | 173364 | 39.99 | ng | | 92 |
| 29) 2,4-Dichlorophenol | 10.715 | 162 | 121961 | 44.38 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 10.938 | 180 | 127065 | 40.71 | ng | | 93 |
| 31) Naphthalene | 11.132 | 128 | 391354 | 41.32 | ng | | 99 |
| 32) Benzoic acid | 10.374 | 122 | 66570 | 33.27 | ng | # | 77 |
| 33) 4-Chloroaniline | 11.232 | 127 | 161113 | 40.55 | ng | | 98 |
| 34) Hexachlorobutadiene | 11.403 | 225 | 78720 | 40.17 | ng | | 95 |
| 35) Caprolactam | 12.008 | 113 | 46098m | 43.83 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.331 | 107 | 149434 | 43.51 | ng | # | 89 |
| 37) 2-Methylnaphthalene | 12.719 | 142 | 279672 | 42.80 | ng | | 92 |
| 38) 1-Methylnaphthalene | 12.936 | 142 | 257313 | 40.61 | ng | | 93 |
| 40) 1,2,4,5-Tetrachloroben... | 13.077 | 216 | 139422 | 41.23 | ng | | 97 |
| 41) Hexachlorocyclopentadiene | 13.054 | 237 | 176285 | 90.19 | ng | | 93 |
| 43) 2,4,6-Trichlorophenol | 13.312 | 196 | 102378 | 42.96 | ng | | 95 |

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Quant Time: Oct 21 13:45:36 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100621.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 13.383 | 196 | 109411 | 43.91 | ng | | 93 |
| 46) 1,1'-Biphenyl | 13.712 | 154 | 338996 | 40.58 | ng | | 93 |
| 47) 2-Chloronaphthalene | 13.759 | 162 | 269332 | 41.99 | ng | | 98 |
| 48) 2-Nitroaniline | 13.958 | 65 | 118006 | 46.25 | ng | | 95 |
| 49) Acenaphthylene | 14.599 | 152 | 445911 | 42.43 | ng | | 97 |
| 50) Dimethylphthalate | 14.317 | 163 | 367116 | 42.41 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 14.446 | 165 | 80739 | 46.57 | ng | | 90 |
| 52) Acenaphthene | 14.940 | 154 | 316342m | 46.84 | ng | | |
| 53) 3-Nitroaniline | 14.775 | 138 | 81750 | 39.86 | ng | | 87 |
| 54) 2,4-Dinitrophenol | 14.981 | 184 | 86024 | 79.98 | ng | | 93 |
| 55) Dibenzofuran | 15.269 | 168 | 424062 | 40.60 | ng | | 97 |
| 56) 4-Nitrophenol | 15.075 | 139 | 139075 | 84.30 | ng | # | 79 |
| 57) 2,4-Dinitrotoluene | 15.228 | 165 | 114688 | 46.93 | ng | | 95 |
| 58) Fluorene | 15.921 | 166 | 340621 | 42.46 | ng | | 98 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.492 | 232 | 89696 | 41.33 | ng | | 97 |
| 60) Diethylphthalate | 15.668 | 149 | 383002 | 42.11 | ng | | 96 |
| 61) 4-Chlorophenyl-phenyle... | 15.903 | 204 | 182899 | 41.66 | ng | | 98 |
| 62) 4-Nitroaniline | 15.938 | 138 | 90259 | 42.30 | ng | # | 65 |
| 63) Azobenzene | 16.197 | 77 | 426317 | 40.49 | ng | | 82 |
| 65) 4,6-Dinitro-2-methylph... | 15.991 | 198 | 61256 | 40.51 | ng | | 86 |
| 66) n-Nitrosodiphenylamine | 16.121 | 169 | 305117 | 42.65 | ng | | 97 |
| 67) 4-Bromophenyl-phenylether | 16.796 | 248 | 109027 | 42.97 | ng | | 100 |
| 68) Hexachlorobenzene | 16.920 | 284 | 109039 | 43.24 | ng | # | 94 |
| 69) Atrazine | 17.055 | 200 | 124081 | 44.03 | ng | | 98 |
| 70) Pentachlorophenol | 17.260 | 266 | 129972 | 75.72 | ng | | 99 |
| 71) Phenanthrene | 17.666 | 178 | 555908 | 41.90 | ng | | 98 |
| 72) Anthracene | 17.754 | 178 | 566841 | 43.00 | ng | | 98 |
| 73) Carbazole | 18.018 | 167 | 525285 | 39.98 | ng | | 98 |
| 74) Di-n-butylphthalate | 18.553 | 149 | 651228 | 42.23 | ng | # | 97 |
| 75) Fluoranthene | 19.658 | 202 | 634677 | 38.92 | ng | | 96 |
| 77) Benzidine | 19.834 | 184 | 542766 | 85.82 | ng | | 97 |
| 78) Pyrene | 20.022 | 202 | 636274 | 45.96 | ng | | 97 |
| 80) Butylbenzylphthalate | 20.886 | 149 | 260180 | 44.43 | ng | | 94 |
| 81) Benzo(a)anthracene | 21.902 | 228 | 553393 | 42.86 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.808 | 252 | 191492 | 44.75 | ng | # | 96 |
| 83) Chrysene | 21.973 | 228 | 532322 | 43.83 | ng | | 96 |
| 84) Bis(2-ethylhexyl)phtha... | 21.773 | 149 | 365820 | 43.97 | ng | # | 96 |
| 85) Di-n-octyl phthalate | 23.048 | 149 | 621615 | 44.79 | ng | | 96 |
| 87) Indeno(1,2,3-cd)pyrene | 29.264 | 276 | 598698 | 45.26 | ng | # | 92 |
| 88) Benzo(b)fluoranthene | 24.246 | 252 | 549802 | 47.27 | ng | # | 95 |
| 89) Benzo(k)fluoranthene | 24.317 | 252 | 524158 | 45.81 | ng | # | 97 |
| 90) Benzo(a)pyrene | 25.181 | 252 | 529077 | 53.50 | ng | # | 95 |
| 91) Dibenzo(a,h)anthracene | 29.329 | 278 | 508619 | 46.48 | ng | # | 93 |
| 92) Benzo(g,h,i)perylene | 30.504 | 276 | 493519 | 46.05 | ng | # | 92 |

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

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