Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040221\
Data File : BG048565.D
Acq On : 2 Apr 2021 12:32
Operator : CG/JU
Sample : PB135464BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
PB135464BS

**Manual Integrations APPROVED**
mohammad
4/5/2021 11:54:34 AM

Quant Time: Apr 02 13:14:21 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG033021.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 02 10:20:56 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 8.093 | 152 | 22077 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.925 | 136 | 92834 | 20.00 | ng | | # 0.00 |
| 39) Acenaphthene-d10 | 14.750 | 164 | 65996 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.506 | 188 | 171856 | 20.00 | ng | | # 0.00 |
| 76) Chrysene-d12 | 21.801 | 240 | 158606 | 20.00 | ng | | # 0.00 |
| 86) Perylene-d12 | 25.144 | 264 | 125295 | 20.00 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.643 | 112 | 122541 | 98.00 | ng | | 0.00 |
| 7) Phenol-d6 | 7.247 | 99 | 160048 | 88.25 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.268 | 82 | 134788 | 70.30 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.243 | 330 | 76001 | 87.61 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.369 | 172 | 320958 | 72.28 | ng | | 0.00 |
| 79) Terphenyl-d14 | 20.114 | 244 | 574140 | 66.20 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.505 | 88 | 17914 | 35.61 | ng | # | 92 |
| 3) Pyridine | 3.910 | 79 | 49407 | 39.17 | ng | | 96 |
| 4) n-Nitrosodimethylamine | 3.816 | 42 | 37988 | 46.10 | ng | | 93 |
| 6) Aniline | 7.412 | 93 | 70396 | 33.80 | ng | # | 94 |
| 8) 2-Chlorophenol | 7.658 | 128 | 69278 | 49.02 | ng | | 94 |
| 9) Benzaldehyde | 7.224 | 77 | 9982 | 8.61 | ng | | 97 |
| 10) Phenol | 7.277 | 94 | 87404 | 48.14 | ng | | 98 |
| 11) bis(2-Chloroethyl)ether | 7.512 | 93 | 57283 | 45.47 | ng | | 94 |
| 12) 1,3-Dichlorobenzene | 7.987 | 146 | 73085 | 45.91 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 8.134 | 146 | 75249 | 46.88 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 8.458 | 146 | 70985 | 46.18 | ng | | 95 |
| 15) Benzyl Alcohol | 8.334 | 79 | 69296 | 46.65 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.628 | 45 | 52837 | 43.48 | ng | | 96 |
| 17) 2-Methylphenol | 8.534 | 107 | 59059 | 50.27 | ng | | 86 |
| 18) Hexachloroethane | 9.192 | 117 | 27540 | 46.18 | ng | # | 82 |
| 19) n-Nitroso-di-n-propyla... | 8.904 | 70 | 52428 | 41.94 | ng | | 99 |
| 20) 3+4-Methylphenols | 8.869 | 107 | 80670 | 49.47 | ng | | 96 |
| 22) Acetophenone | 8.922 | 105 | 103807 | 43.37 | ng | # | 97 |
| 24) Nitrobenzene | 9.309 | 77 | 83435 | 44.34 | ng | | 99 |
| 25) Isophorone | 9.832 | 82 | 147065 | 41.53 | ng | # | 97 |
| 26) 2-Nitrophenol | 10.026 | 139 | 39894 | 46.14 | ng | | 98 |
| 27) 2,4-Dimethylphenol | 10.079 | 122 | 70566 | 51.87 | ng | | 97 |
| 28) bis(2-Chloroethoxy)met... | 10.320 | 93 | 81494 | 50.21 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 10.567 | 162 | 71551 | 46.45 | ng | | 94 |
| 30) 1,2,4-Trichlorobenzene | 10.784 | 180 | 80657 | 45.56 | ng | | 95 |
| 31) Naphthalene | 10.978 | 128 | 212112 | 44.44 | ng | | 99 |
| 32) Benzoic acid | 10.214 | 122 | 46918 | 44.83 | ng | | 94 |
| 33) 4-Chloroaniline | 11.078 | 127 | 53081 | 26.35 | ng | | 95 |
| 34) Hexachlorobutadiene | 11.260 | 225 | 54738 | 42.34 | ng | | 94 |
| 35) Caprolactam | 11.854 | 113 | 25854m | 46.00 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.200 | 107 | 81284 | 46.99 | ng | | 99 |
| 37) 2-Methylnaphthalene | 12.582 | 142 | 164759 | 43.36 | ng | | 94 |
| 38) 1-Methylnaphthalene | 12.800 | 142 | 155712 | 42.97 | ng | | 98 |
| 40) 1,2,4,5-Tetrachloroben... | 12.946 | 216 | 92829 | 45.37 | ng | | 97 |
| 41) Hexachlorocyclopentadiene | 12.923 | 237 | 107062 | 90.34 | ng | | 93 |
| 43) 2,4,6-Trichlorophenol | 13.181 | 196 | 65755 | 46.76 | ng | | 94 |

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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 13.258 | 196 | 70723 | 47.01 | ng | | 94 |
| 46) 1,1'-Biphenyl | 13.581 | 154 | 215926 | 44.78 | ng | | 98 |
| 47) 2-Chloronaphthalene | 13.628 | 162 | 167125 | 45.49 | ng | | 96 |
| 48) 2-Nitroaniline | 13.828 | 65 | 57794 | 49.49 | ng | | 90 |
| 49) Acenaphthylene | 14.474 | 152 | 257413 | 44.70 | ng | | 98 |
| 50) Dimethylphthalate | 14.198 | 163 | 229972 | 46.95 | ng | # | 98 |
| 51) 2,6-Dinitrotoluene | 14.315 | 165 | 53023 | 47.32 | ng | | 96 |
| 52) Acenaphthene | 14.815 | 154 | 216855m | 52.05 | ng | | |
| 53) 3-Nitroaniline | 14.650 | 138 | 37741 | 34.34 | ng | | 81 |
| 54) 2,4-Dinitrophenol | 14.856 | 184 | 69802 | 110.77 | ng | | 98 |
| 55) Dibenzofuran | 15.150 | 168 | 270807 | 44.51 | ng | # | 94 |
| 56) 4-Nitrophenol | 14.956 | 139 | 91713 | 103.39 | ng | | 87 |
| 57) 2,4-Dinitrotoluene | 15.103 | 165 | 72626 | 45.81 | ng | | 91 |
| 58) Fluorene | 15.796 | 166 | 226887 | 44.55 | ng | | 96 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.373 | 232 | 70883 | 48.30 | ng | | 99 |
| 60) Diethylphthalate | 15.561 | 149 | 237136 | 47.11 | ng | | 97 |
| 61) 4-Chlorophenyl-phenyle... | 15.790 | 204 | 122341 | 44.65 | ng | | 96 |
| 62) 4-Nitroaniline | 15.814 | 138 | 53158 | 46.25 | ng | | 97 |
| 63) Azobenzene | 16.084 | 77 | 210322 | 42.48 | ng | | 97 |
| 65) 4,6-Dinitro-2-methylph... | 15.867 | 198 | 50384 | 48.79 | ng | | 90 |
| 66) n-Nitrosodiphenylamine | 16.002 | 169 | 204982 | 41.92 | ng | | 97 |
| 67) 4-Bromophenyl-phenylether | 16.683 | 248 | 82761 | 43.44 | ng | | 95 |
| 68) Hexachlorobenzene | 16.807 | 284 | 84767 | 42.61 | ng | | 96 |
| 69) Atrazine | 16.948 | 200 | 75159 | 37.69 | ng | | 90 |
| 70) Pentachlorophenol | 17.147 | 266 | 119321 | 96.51 | ng | | 91 |
| 71) Phenanthrene | 17.547 | 178 | 385645 | 43.23 | ng | | 98 |
| 72) Anthracene | 17.641 | 178 | 390480 | 43.92 | ng | | 99 |
| 73) Carbazole | 17.905 | 167 | 364802 | 43.27 | ng | | 98 |
| 74) Di-n-butylphthalate | 18.458 | 149 | 439472 | 46.66 | ng | | 99 |
| 75) Fluoranthene | 19.556 | 202 | 490372 | 44.34 | ng | | 99 |
| 77) Benzidine | 19.733 | 184 | 132391 | 24.65 | ng | | 97 |
| 78) Pyrene | 19.921 | 202 | 470580 | 43.15 | ng | | 99 |
| 80) Butylbenzylphthalate | 20.796 | 149 | 180695 | 44.61 | ng | | 90 |
| 81) Benzo(a)anthracene | 21.783 | 228 | 437020 | 41.24 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.695 | 252 | 136512 | 37.50 | ng | | 92 |
| 83) Chrysene | 21.848 | 228 | 420902 | 41.62 | ng | | 94 |
| 84) Bis(2-ethylhexyl)phtha... | 21.677 | 149 | 255076 | 45.21 | ng | | 100 |
| 85) Di-n-octyl phthalate | 22.935 | 149 | 426719 | 43.39 | ng | # | 97 |
| 87) Indeno(1,2,3-cd)pyrene | 28.986 | 276 | 491590 | 55.96 | ng | # | 92 |
| 88) Benzo(b)fluoranthene | 24.080 | 252 | 436722 | 53.67 | ng | # | 98 |
| 89) Benzo(k)fluoranthene | 24.157 | 252 | 435077 | 55.61 | ng | | 98 |
| 90) Benzo(a)pyrene | 24.991 | 252 | 396393 | 52.85 | ng | | 100 |
| 91) Dibenzo(a,h)anthracene | 29.063 | 278 | 420287 | 56.06 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 30.191 | 276 | 408785 | 55.67 | ng | # | 92 |

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

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