Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062119\
Data File : BF115101.D
Acq On : 22 Jun 2019 1:50
Operator : HP/JU
Sample : PB120818BS
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** PB120818BS

**Manual Integrations APPROVED**
mohammad
6/25/2019 12:41:35 PM

Quant Time: Jun 22 05:38:31 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF062119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 21 17:55:32 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.61 | 152 | 282611 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 7.90 | 136 | 1123951 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.65 | 164 | 558476 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.12 | 188 | 1105002 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 13.74 | 240 | 769518 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 15.11 | 264 | 806977 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.22 | 112 | 2189694 | 119.57 | ng | | 0.02 |
| 7) Phenol-d6 | 6.26 | 99 | 2690828 | 121.05 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.18 | 82 | 1672716 | 91.55 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.44 | 330 | 755894 | 128.35 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 8.98 | 172 | 3022698 | 91.94 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.71 | 244 | 3211871 | 88.74 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.29 | 88 | 294212 | 34.040 | ng | | 99 |
| 3) Pyridine | 2.94 | 79 | 842497 | 34.584 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 2.89 | 42 | 368584 | 38.595 | ng | | 100 |
| 6) Aniline | 6.28 | 93 | 712701 | 23.329 | ng | # | 15 |
| 8) 2-Chlorophenol | 6.40 | 128 | 834452 | 40.522 | ng | | 99 |
| 9) Benzaldehyde | 6.15 | 77 | 227466 | 15.685 | ng | | 98 |
| 10) Phenol | 6.27 | 94 | 973815 | 37.400 | ng | | 96 |
| 11) bis(2-Chloroethyl)ether | 6.36 | 93 | 766973 | 39.960 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 6.55 | 146 | 897232 | 39.259 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 6.63 | 146 | 902115 | 39.364 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 6.79 | 146 | 830157 | 39.116 | ng | | 98 |
| 15) Benzyl Alcohol | 6.77 | 79 | 639356 | 39.501 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropropan | 6.90 | 45 | 1115536 | 40.073 | ng | | 99 |
| 17) 2-Methylphenol | 6.88 | 107 | 724943 | 42.649 | ng | | 100 |
| 18) Hexachloroethane | 7.13 | 117 | 329467 | 39.877 | ng | | 99 |
| 19) n-Nitroso-di-n-propylamine | 7.05 | 70 | 567256 | 39.861 | ng | | 98 |
| 20) 3+4-Methylphenols | 7.04 | 107 | 812052 | 41.374 | ng | # | 87 |
| 22) Acetophenone | 7.03 | 105 | 1122628 | 43.629 | ng | # | 99 |
| 24) Nitrobenzene | 7.20 | 77 | 864893 | 42.968 | ng | | 97 |
| 25) Isophorone | 7.44 | 82 | 1621076 | 43.311 | ng | | 100 |
| 26) 2-Nitrophenol | 7.51 | 139 | 466218 | 46.901 | ng | | 97 |
| 27) 2,4-Dimethylphenol | 7.57 | 122 | 794590 | 48.821 | ng | | 100 |
| 28) bis(2-Chloroethoxy)methane | 7.66 | 93 | 1007906 | 42.605 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.75 | 162 | 750972 | 44.711 | ng | | 96 |
| 30) 1,2,4-Trichlorobenzene | 7.84 | 180 | 794031 | 42.799 | ng | | 99 |
| 31) Naphthalene | 7.92 | 128 | 2386446 | 43.255 | ng | | 99 |
| 32) Benzoic acid | 7.71 | 122 | 614901 | 52.928 | ng | | 99 |
| 33) 4-Chloroaniline | 7.97 | 127 | 397056 | 15.747 | ng | | 99 |
| 34) Hexachlorobutadiene | 8.05 | 225 | 426278 | 41.928 | ng | | 99 |
| 35) Caprolactam | 8.35 | 113 | 248704m | 44.042 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.46 | 107 | 750531 | 44.123 | ng | | 99 |
| 37) 2-Methylnaphthalene | 8.61 | 142 | 1657948 | 44.569 | ng | | 99 |
| 38) 1-Methylnaphthalene | 8.71 | 142 | 1564158 | 44.026 | ng | | 99 |
| 40) 1,2,4,5-Tetrachlorobenzene | 8.78 | 216 | 665123 | 42.146 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 8.77 | 237 | 724239 | 77.393 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 8.89 | 196 | 552990 | 45.387 | ng | | 99 |
| 44) 2,4,5-Trichlorophenol | 8.93 | 196 | 555365 | 44.262 | ng | | 98 |
| 46) 1,1'-Biphenyl | 9.08 | 154 | 1875004 | 41.960 | ng | | 98 |
| 47) 2-Chloronaphthalene | 9.10 | 162 | 1529223 | 42.189 | ng | | 97 |
| 48) 2-Nitroaniline | 9.19 | 65 | 458036 | 43.343 | ng | | 95 |
| 49) Acenaphthylene | 9.51 | 152 | 2382251 | 42.183 | ng | | 99 |
| 50) Dimethylphthalate | 9.39 | 163 | 1756641 | 42.753 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 9.44 | 165 | 428482 | 45.170 | ng | | 99 |
| 52) Acenaphthene | 9.68 | 154 | 1648590 | 46.651 | ng | | 99 |
| 53) 3-Nitroaniline | 9.60 | 138 | 307745 | 26.585 | ng | | 92 |
| 54) 2,4-Dinitrophenol | 9.71 | 184 | 447282 | 90.566 | ng | | 97 |
| 55) Dibenzofuran | 9.85 | 168 | 2099463 | 41.393 | ng | | 98 |
| 56) 4-Nitrophenol | 9.77 | 139 | 789331 | 85.052 | ng | | 95 |
| 57) 2,4-Dinitrotoluene | 9.84 | 165 | 571988 | 46.699 | ng | # | 87 |
| 58) Fluorene | 10.20 | 166 | 1428420 | 41.836 | ng | | 98 |
| 59) 2,3,4,6-Tetrachlorophenol | 9.97 | 232 | 480752 | 45.694 | ng | | 99 |
| 60) Diethylphthalate | 10.09 | 149 | 1789128 | 43.318 | ng | | 98 |
| 61) 4-Chlorophenyl-phenylether | 10.19 | 204 | 688013 | 42.494 | ng | | 95 |
| 62) 4-Nitroaniline | 10.22 | 138 | 480638 | 41.388 | ng | | 99 |
| 63) Azobenzene | 10.35 | 77 | 1671122 | 43.318 | ng | | 97 |
| 65) 4,6-Dinitro-2-methylphenol | 10.24 | 198 | 269862 | 46.116 | ng | | 86 |
| 66) n-Nitrosodiphenylamine | 10.31 | 169 | 1487925 | 43.221 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 10.68 | 248 | 502154 | 41.914 | ng | | 96 |
| 68) Hexachlorobenzene | 10.74 | 284 | 550237 | 42.313 | ng | # | 92 |
| 69) Atrazine | 10.84 | 200 | 476295 | 43.009 | ng | | 99 |
| 70) Pentachlorophenol | 10.93 | 266 | 654011 | 78.944 | ng | | 97 |
| 71) Phenanthrene | 11.15 | 178 | 2344421 | 39.405 | ng | | 99 |
| 72) Anthracene | 11.20 | 178 | 2449045 | 40.779 | ng | | 98 |
| 73) Carbazole | 11.35 | 167 | 2239551 | 41.761 | ng | | 98 |
| 74) Di-n-butylphthalate | 11.70 | 149 | 2608776 | 42.097 | ng | | 98 |
| 75) Fluoranthene | 12.32 | 202 | 2470341 | 41.616 | ng | | 99 |
| 77) Benzidine | 12.44 | 184 | 521221 | 15.254 | ng | | 99 |
| 78) Pyrene | 12.55 | 202 | 2506916 | 42.391 | ng | | 98 |
| 80) Butylbenzylphthalate | 13.19 | 149 | 1179289 | 45.187 | ng | | 94 |
| 81) Benzo(a)anthracene | 13.73 | 228 | 2287771 | 41.434 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.70 | 252 | 575464 | 28.861 | ng | | 99 |
| 83) Chrysene | 13.77 | 228 | 2142752 | 42.365 | ng | | 98 |
| 84) Bis(2-ethylhexyl)phthalate | 13.75 | 149 | 1560718 | 45.639 | ng | | 100 |
| 85) Di-n-octyl phthalate | 14.37 | 149 | 2626706 | 45.716 | ng | | 100 |
| 86) Indeno(1,2,3-cd)pyrene | 16.39 | 276 | 2684613 | 44.856 | ng | | 99 |
| 88) Benzo(b)fluoranthene | 14.74 | 252 | 2413295 | 47.928 | ng | | 98 |
| 89) Benzo(k)fluoranthene | 14.77 | 252 | 2235391 | 49.504 | ng | | 100 |
| 90) Benzo(a)pyrene | 15.06 | 252 | 2301694 | 50.716 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 16.42 | 278 | 2202073 | 51.974 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 16.78 | 276 | 2261370 | 52.735 | ng | | 99 |

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

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