Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062718\
Data File : BF106864.D
Acq On : 27 Jun 2018 11:53
Operator : JU/SJ
Sample : PB110600BS
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB110600BS

**Manual Integrations APPROVED**
Sohil
6/28/2018 2:21:27 PM

Quant Time: Jun 27 14:09:35 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 25 18:50:17 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.95 | 152 | 46164 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.24 | 136 | 182722 | 20.00 | ng | | -0.01 |
| 38) Acenaphthene-d10 | 10.00 | 164 | 99211 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.49 | 188 | 203403 | 20.00 | ng | | -0.01 |
| 75) Chrysene-d12 | 14.15 | 240 | 148902 | 20.00 | ng | | -0.02 |
| 86) Perylene-d12 | 15.69 | 264 | 144294 | 20.00 | ng | | -0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.61 | 112 | 276678 | 101.49 | ng | | 0.00 |
| 7) Phenol-d6 | 6.60 | 99 | 344985 | 101.33 | ng | | -0.01 |
| 23) Nitrobenzene-d5 | 7.52 | 82 | 220378 | 67.03 | ng | | -0.02 |
| 41) 2,4,6-Tribromophenol | 10.80 | 330 | 129550 | 112.66 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.31 | 172 | 440268 | 73.04 | ng | | -0.01 |
| 78) Terphenyl-d14 | 13.08 | 244 | 533388 | 86.77 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.87 | 88 | 37515 | 26.766 | ng | | 98 |
| 3) Pyridine | 3.65 | 79 | 111050 | 29.214 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 3.61 | 42 | 43882 | 27.180 | ng | | 80 |
| 6) Aniline | 6.62 | 93 | 93143 | 20.169 | ng | | 95 |
| 8) 2-Chlorophenol | 6.75 | 128 | 103738 | 34.693 | ng | | 97 |
| 9) Benzaldehyde | 6.51 | 77 | 64839 | 25.312 | ng | | 93 |
| 10) Phenol | 6.62 | 94 | 124786 | 32.117 | ng | | 78 |
| 11) bis(2-Chloroethyl)ether | 6.69 | 93 | 101776 | 31.730 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 6.90 | 146 | 122200 | 34.893 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 6.97 | 146 | 122403 | 34.570 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 7.12 | 146 | 114294 | 35.222 | ng | | 98 |
| 15) Benzyl Alcohol | 7.10 | 79 | 89433 | 32.715 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.22 | 45 | 145040 | 34.464 | ng | | 75 |
| 17) 2-Methylphenol | 7.21 | 107 | 86870 | 33.948 | ng | # | 93 |
| 18) Hexachloroethane | 7.47 | 117 | 41713 | 33.501 | ng | # | 83 |
| 19) n-Nitroso-di-n-propylamine | 7.37 | 70 | 70504 | 31.416 | ng | | 93 |
| 20) 3+4-Methylphenols | 7.37 | 107 | 108777 | 37.616 | ng | # | 69 |
| 22) Acetophenone | 7.36 | 105 | 140748 | 34.430 | ng | # | 97 |
| 24) Nitrobenzene | 7.54 | 77 | 109179 | 32.524 | ng | | 98 |
| 25) Isophorone | 7.78 | 82 | 201301 | 34.744 | ng | | 99 |
| 26) 2-Nitrophenol | 7.85 | 139 | 58415 | 36.863 | ng | | 97 |
| 27) 2,4-Dimethylphenol | 7.89 | 122 | 94440 | 38.557 | ng | | 99 |
| 28) bis(2-Chloroethoxy)methane | 7.98 | 93 | 128448 | 33.019 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 8.10 | 162 | 95552 | 37.263 | ng | | 94 |
| 30) 1,2,4-Trichlorobenzene | 8.18 | 180 | 106571 | 37.726 | ng | | 98 |
| 31) Naphthalene | 8.26 | 128 | 304536 | 35.648 | ng | | 99 |
| 32) Benzoic acid | 8.02 | 122 | 55720 | 33.272 | ng | | 99 |
| 33) 4-Chloroaniline | 8.31 | 127 | 32979 | 9.200 | ng | | 97 |
| 34) Hexachlorobutadiene | 8.37 | 225 | 69537 | 37.778 | ng | | 98 |
| 35) Caprolactam | 8.69 | 113 | 29075m | 34.784 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.80 | 107 | 97187 | 36.007 | ng | | 99 |
| 37) 2-Methylnaphthalene | 8.95 | 142 | 226069 | 39.925 | ng | | 96 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.12 | 216 | 116944 | 35.001 | ng | # | 95 |
| 40) Hexachlorocyclopentadiene | 9.10 | 237 | 103663 | 60.304 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.24 | 196 | 71947 | 32.395 | ng | | 92 |
| 43) 2,4,5-Trichlorophenol | 9.28 | 196 | 73661m | 31.786 | ng | | |
| 45) 1,1'-Biphenyl | 9.42 | 154 | 274950 | 34.775 | ng | | 96 |
| 46) 2-Chloronaphthalene | 9.44 | 162 | 199651 | 32.079 | ng | | 96 |
| 47) 2-Nitroaniline | 9.54 | 65 | 59953 | 28.647 | ng | | 94 |
| 48) Acenaphthylene | 9.87 | 152 | 322132 | 32.784 | ng | | 99 |
| 49) Dimethylphthalate | 9.71 | 163 | 237021 | 31.854 | ng | | 98 |
| 50) 2,6-Dinitrotoluene | 9.78 | 165 | 55456 | 35.196 | ng | # | 85 |
| 51) Acenaphthene | 10.04 | 154 | 193408 | 31.258 | ng | | 98 |
| 52) 3-Nitroaniline | 9.95 | 138 | 25623 | 14.132 | ng | | 96 |
| 53) 2,4-Dinitrophenol | 10.07 | 184 | 56875 | 70.133 | ng | # | 13 |
| 54) Dibenzofuran | 10.21 | 168 | 299158 | 35.309 | ng | | 95 |
| 55) 4-Nitrophenol | 10.14 | 139 | 60422 | 47.742 | ng | | 96 |
| 56) 2,4-Dinitrotoluene | 10.19 | 165 | 74052 | 36.006 | ng | | 90 |
| 57) Fluorene | 10.55 | 166 | 237491 | 35.324 | ng | | 98 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.32 | 232 | 70197 | 38.106 | ng | # | 78 |
| 59) Diethylphthalate | 10.41 | 149 | 225699 | 31.427 | ng | # | 93 |
| 60) 4-Chlorophenyl-phenylether | 10.54 | 204 | 120790 | 34.337 | ng | # | 86 |
| 61) 4-Nitroaniline | 10.58 | 138 | 53152 | 29.538 | ng | | 94 |
| 62) Azobenzene | 10.70 | 77 | 216662 | 30.635 | ng | | 95 |
| 64) 4,6-Dinitro-2-methylphenol | 10.60 | 198 | 42484 | 33.789 | ng | | 79 |
| 65) n-Nitrosodiphenylamine | 10.66 | 169 | 206242 | 30.146 | ng | | 100 |
| 66) 4-Bromophenyl-phenylether | 11.03 | 248 | 85541 | 35.238 | ng | # | 78 |
| 67) Hexachlorobenzene | 11.10 | 284 | 90605 | 35.661 | ng | # | 87 |
| 68) Atrazine | 11.18 | 200 | 71080 | 32.681 | ng | | 97 |
| 69) Pentachlorophenol | 11.30 | 266 | 72613 | 57.278 | ng | | 99 |
| 70) Phenanthrene | 11.52 | 178 | 349856 | 35.661 | ng | | 99 |
| 71) Anthracene | 11.57 | 178 | 362147 | 36.165 | ng | | 100 |
| 72) Carbazole | 11.72 | 167 | 306418 | 32.684 | ng | | 98 |
| 73) Di-n-butylphthalate | 12.04 | 149 | 355943 | 32.227 | ng | | 99 |
| 74) Fluoranthene | 12.71 | 202 | 381349 | 35.267 | ng | | 94 |
| 76) Benzidine | 12.83 | 184 | 67885 | 16.008 | ng | | 97 |
| 77) Pyrene | 12.94 | 202 | 377303 | 38.426 | ng | | 99 |
| 79) Butylbenzylphthalate | 13.54 | 149 | 130355 | 32.289 | ng | # | 96 |
| 80) Benzo(a)anthracene | 14.14 | 228 | 313926 | 34.592 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 14.09 | 252 | 58802 | 18.436 | ng | # | 97 |
| 82) Chrysene | 14.18 | 228 | 293684 | 35.176 | ng | | 98 |
| 83) Bis(2-ethylhexyl)phthalate | 14.10 | 149 | 166290 | 32.219 | ng | # | 97 |
| 84) Di-n-octyl phthalate | 14.74 | 149 | 252311 | 29.990 | ng | | 96 |
| 85) Indeno(1,2,3-cd)pyrene | 17.28 | 276 | 336969 | 47.559 | ng | # | 89 |
| 87) Benzo(b)fluoranthene | 15.24 | 252 | 272334 | 30.383 | ng | # | 95 |
| 88) Benzo(k)fluoranthene | 15.27 | 252 | 275806 | 32.311 | ng | # | 95 |
| 89) Benzo(a)pyrene | 15.63 | 252 | 272837 | 34.240 | ng | # | 97 |
| 90) Dibenzo(a,h)anthracene | 17.29 | 278 | 279828 | 41.437 | ng | # | 93 |
| 91) Benzo(g,h,i)perylene | 17.76 | 276 | 295600 | 44.784 | ng | # | 88 |

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

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