Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081519\
Data File : BF116275.D
Acq On : 15 Aug 2019 13:23
Operator : HP/JU
Sample : PB122172BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB122172BS

**Manual Integrations APPROVED**
Jagrut
8/16/2019 5:32:44 PM

Quant Time: Aug 15 15:09:43 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 07 11:13:18 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.82 | 152 | 147245 | 20.00 | ng | | -0.03 |
| 21) Naphthalene-d8 | 8.10 | 136 | 622467 | 20.00 | ng | | -0.03 |
| 39) Acenaphthene-d10 | 9.85 | 164 | 339158 | 20.00 | ng | | -0.04 |
| 64) Phenanthrene-d10 | 11.34 | 188 | 576808 | 20.00 | ng | | -0.03 |
| 76) Chrysene-d12 | 13.98 | 240 | 394130 | 20.00 | ng | | -0.03 |
| 87) Perylene-d12 | 15.44 | 264 | 345276 | 20.00 | ng | | -0.04 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.46 | 112 | 1018936 | 115.85 | ng | | -0.01 |
| 7) Phenol-d6 | 6.46 | 99 | 1264931 | 113.99 | ng | | -0.02 |
| 23) Nitrobenzene-d5 | 7.39 | 82 | 849867 | 78.81 | ng | | -0.03 |
| 42) 2,4,6-Tribromophenol | 10.65 | 330 | 365631 | 111.19 | ng | | -0.03 |
| 45) 2-Fluorobiphenyl | 9.17 | 172 | 1478721 | 81.67 | ng | | -0.03 |
| 79) Terphenyl-d14 | 12.92 | 244 | 1570904 | 83.99 | ng | | -0.03 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.69 | 88 | 177371 | 39.917 | ng | | 99 |
| 3) Pyridine | 3.43 | 79 | 416909 | 33.588 | ng | | 97 |
| 4) n-Nitrosodimethylamine | 3.39 | 42 | 189483 | 38.682 | ng | | 100 |
| 6) Aniline | 6.49 | 93 | 462283 | 29.088 | ng | # | 91 |
| 8) 2-Chlorophenol | 6.61 | 128 | 443997 | 45.649 | ng | | 100 |
| 9) Benzaldehyde | 6.37 | 77 | 161071 | 21.036 | ng | | 99 |
| 10) Phenol | 6.47 | 94 | 550598 | 42.133 | ng | | 89 |
| 11) bis(2-Chloroethyl)ether | 6.56 | 93 | 426920 | 44.434 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 6.76 | 146 | 464557 | 41.329 | ng | | 100 |
| 13) 1,4-Dichlorobenzene | 6.83 | 146 | 475854 | 42.280 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 6.99 | 146 | 437341 | 42.201 | ng | | 99 |
| 15) Benzyl Alcohol | 6.97 | 79 | 349936 | 41.552 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.09 | 45 | 553623 | 42.245 | ng | | 90 |
| 17) 2-Methylphenol | 7.08 | 107 | 369319 | 44.844 | ng | | 98 |
| 18) Hexachloroethane | 7.32 | 117 | 175107 | 42.258 | ng | | 99 |
| 19) n-Nitroso-di-n-propylamine | 7.23 | 70 | 300852 | 43.749 | ng | | 99 |
| 20) 3+4-Methylphenols | 7.23 | 107 | 445033 | 45.664 | ng | | 99 |
| 22) Acetophenone | 7.23 | 105 | 592029 | 43.367 | ng | | 97 |
| 24) Nitrobenzene | 7.40 | 77 | 496486 | 42.639 | ng | | 98 |
| 25) Isophorone | 7.64 | 82 | 918092 | 44.524 | ng | | 99 |
| 26) 2-Nitrophenol | 7.72 | 139 | 247885 | 45.163 | ng | | 94 |
| 27) 2,4-Dimethylphenol | 7.76 | 122 | 401812 | 48.659 | ng | | 99 |
| 28) bis(2-Chloroethoxy)methane | 7.85 | 93 | 562667 | 44.025 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 7.96 | 162 | 397063 | 45.540 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 8.04 | 180 | 423296 | 42.590 | ng | | 99 |
| 31) Naphthalene | 8.12 | 128 | 1296935 | 44.276 | ng | | 99 |
| 32) Benzoic acid | 7.92 | 122 | 233422 | 40.094 | ng | | 99 |
| 33) 4-Chloroaniline | 8.17 | 127 | 356047 | 27.204 | ng | | 98 |
| 34) Hexachlorobutadiene | 8.23 | 225 | 235351 | 41.111 | ng | | 99 |
| 35) Caprolactam | 8.55 | 113 | 117112m | 41.530 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.66 | 107 | 413299 | 45.565 | ng | | 98 |
| 37) 2-Methylnaphthalene | 8.81 | 142 | 859335 | 44.545 | ng | | 100 |
| 38) 1-Methylnaphthalene | 8.91 | 142 | 804676 | 44.091 | ng | | 99 |
| 40) 1,2,4,5-Tetrachlorobenzene | 8.98 | 216 | 398576 | 43.959 | ng | | 100 |

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|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 8.96 | 237 | 174600 | 45.641 | ng | | 100 |
| 43) 2,4,6-Trichlorophenol | 9.10 | 196 | 256433 | 41.089 | ng | | 99 |
| 44) 2,4,5-Trichlorophenol | 9.15 | 196 | 269823 | 41.825 | ng | | 99 |
| 46) 1,1'-Biphenyl | 9.27 | 154 | 1056607 | 44.127 | ng | | 99 |
| 47) 2-Chloronaphthalene | 9.30 | 162 | 832839 | 41.791 | ng | | 97 |
| 48) 2-Nitroaniline | 9.40 | 65 | 258561 | 39.252 | ng | | 96 |
| 49) Acenaphthylene | 9.72 | 152 | 1221438 | 42.011 | ng | | 99 |
| 50) Dimethylphthalate | 9.57 | 163 | 991317 | 42.927 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 9.65 | 165 | 217212 | 43.282 | ng | | 94 |
| 52) Acenaphthene | 9.89 | 154 | 751168 | 42.114 | ng | | 99 |
| 53) 3-Nitroaniline | 9.82 | 138 | 169560 | 27.344 | ng | | 98 |
| 54) 2,4-Dinitrophenol | 9.94 | 184 | 182738 | 72.414 | ng | | 90 |
| 55) Dibenzofuran | 10.06 | 168 | 1051221 | 40.526 | ng | | 100 |
| 56) 4-Nitrophenol | 10.00 | 139 | 270542 | 68.106 | ng | | 90 |
| 57) 2,4-Dinitrotoluene | 10.06 | 165 | 257089 | 38.477 | ng | | 94 |
| 58) Fluorene | 10.40 | 166 | 851610 | 42.672 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.19 | 232 | 230295 | 42.431 | ng | | 99 |
| 60) Diethylphthalate | 10.27 | 149 | 936515 | 43.437 | ng | | 100 |
| 61) 4-Chlorophenyl-phenylether | 10.39 | 204 | 438558 | 43.391 | ng | | 97 |
| 62) 4-Nitroaniline | 10.44 | 138 | 212676 | 33.187 | ng | | 99 |
| 63) Azobenzene | 10.55 | 77 | 962470 | 43.402 | ng | | 99 |
| 65) 4,6-Dinitro-2-methylphenol | 10.47 | 198 | 142166 | 46.510 | ng | | 98 |
| 66) n-Nitrosodiphenylamine | 10.51 | 169 | 777041 | 44.757 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 10.88 | 248 | 270943 | 43.879 | ng | | 98 |
| 68) Hexachlorobenzene | 10.96 | 284 | 302659 | 42.389 | ng | | 99 |
| 69) Atrazine | 11.04 | 200 | 242449 | 42.449 | ng | | 99 |
| 70) Pentachlorophenol | 11.16 | 266 | 258550 | 74.586 | ng | | 97 |
| 71) Phenanthrene | 11.37 | 178 | 1240220 | 42.059 | ng | | 100 |
| 72) Anthracene | 11.42 | 178 | 1286574 | 43.112 | ng | | 99 |
| 73) Carbazole | 11.57 | 167 | 1163917 | 42.989 | ng | | 99 |
| 74) Di-n-butylphthalate | 11.89 | 149 | 1427566 | 45.199 | ng | | 99 |
| 75) Fluoranthene | 12.56 | 202 | 1293609 | 41.904 | ng | | 100 |
| 77) Benzidine | 12.67 | 184 | 420392 | 31.572 | ng | | 98 |
| 78) Pyrene | 12.79 | 202 | 1295135 | 43.592 | ng | | 99 |
| 80) Butylbenzylphthalate | 13.39 | 149 | 608117 | 48.388 | ng | | 97 |
| 81) Benzo(a)anthracene | 13.97 | 228 | 1082491 | 42.971 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.93 | 252 | 342051 | 39.083 | ng | | 99 |
| 83) Chrysene | 14.01 | 228 | 1084242 | 44.333 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 13.94 | 149 | 860925 | 52.716 | ng | # | 97 |
| 85) Di-n-octyl phthalate | 14.55 | 149 | 1376812 | 53.077 | ng | | 99 |
| 86) Indeno(1,2,3-cd)pyrene | 16.90 | 276 | 911616 | 44.380 | ng | | 100 |
| 88) Benzo(b)fluoranthene | 15.02 | 252 | 950981 | 47.634 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 15.04 | 252 | 977440 | 50.266 | ng | | 99 |
| 90) Benzo(a)pyrene | 15.38 | 252 | 907177 | 50.832 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 16.90 | 278 | 765285 | 49.539 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 17.34 | 276 | 762743 | 50.275 | ng | | 98 |

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

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