Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020419\
Data File : BF112378.D
Acq On : 4 Feb 2019 14:17
Operator : JU/SJ
Sample : PB116785BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** PB116785BS

**Manual Integrations APPROVED**
mohammad
2/5/2019 8:42:45 AM

Quant Time: Feb 04 16:03:10 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 28 10:38:18 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.83 | 152 | 161808 | 20.00 | ng | | -0.01 |
| 21) Naphthalene-d8 | 8.12 | 136 | 630313 | 20.00 | ng | | -0.01 |
| 39) Acenaphthene-d10 | 9.87 | 164 | 323674 | 20.00 | ng | | -0.01 |
| 64) Phenanthrene-d10 | 11.36 | 188 | 637471 | 20.00 | ng | | -0.01 |
| 76) Chrysene-d12 | 14.00 | 240 | 541767 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 15.47 | 264 | 494548 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.48 | 112 | 1162062 | 152.54 | ng | | 0.00 |
| 7) Phenol-d6 | 6.49 | 99 | 1465748 | 138.47 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.40 | 82 | 843995 | 77.15 | ng | | -0.01 |
| 42) 2,4,6-Tribromophenol | 10.67 | 330 | 498846 | 132.41 | ng | | -0.01 |
| 45) 2-Fluorobiphenyl | 9.19 | 172 | 1752230 | 76.57 | ng | | -0.01 |
| 79) Terphenyl-d14 | 12.94 | 244 | 2053257 | 71.38 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.70 | 88 | 147627 | 48.647 | ng | | 95 |
| 3) Pyridine | 3.45 | 79 | 381425 | 49.411 | ng | | 97 |
| 4) n-Nitrosodimethylamine | 3.39 | 42 | 176679 | 54.477 | ng | # | 90 |
| 6) Aniline | 6.50 | 93 | 363554 | 28.872 | ng | # | 35 |
| 8) 2-Chlorophenol | 6.63 | 128 | 414293 | 40.427 | ng | | 98 |
| 9) Benzaldehyde | 6.38 | 77 | 80024 | 14.464 | ng | | 98 |
| 10) Phenol | 6.50 | 94 | 474375 | 40.847 | ng | | 95 |
| 11) bis(2-Chloroethyl)ether | 6.57 | 93 | 361479 | 39.536 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 6.77 | 146 | 458299 | 38.400 | ng | | 100 |
| 13) 1,4-Dichlorobenzene | 6.85 | 146 | 474225 | 38.609 | ng | | 100 |
| 14) 1,2-Dichlorobenzene | 7.00 | 146 | 441947 | 38.430 | ng | | 96 |
| 15) Benzyl Alcohol | 6.98 | 79 | 338235 | 37.905 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.10 | 45 | 450112 | 38.342 | ng | # | 38 |
| 17) 2-Methylphenol | 7.10 | 107 | 325107 | 40.019 | ng | # | 92 |
| 18) Hexachloroethane | 7.35 | 117 | 163489 | 37.904 | ng | | 94 |
| 19) n-Nitroso-di-n-propylamine | 7.25 | 70 | 272802 | 37.375 | ng | | 99 |
| 20) 3+4-Methylphenols | 7.25 | 107 | 423029 | 40.721 | ng | # | 76 |
| 22) Acetophenone | 7.24 | 105 | 559102 | 36.428 | ng | | 96 |
| 24) Nitrobenzene | 7.42 | 77 | 415996 | 38.077 | ng | | 96 |
| 25) Isophorone | 7.66 | 82 | 738256 | 43.019 | ng | | 98 |
| 26) 2-Nitrophenol | 7.73 | 139 | 227118 | 38.900 | ng | | 93 |
| 27) 2,4-Dimethylphenol | 7.77 | 122 | 358511 | 44.568 | ng | | 95 |
| 28) bis(2-Chloroethoxy)methane | 7.86 | 93 | 463123 | 39.633 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.98 | 162 | 360480 | 40.045 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 8.06 | 180 | 397686 | 38.433 | ng | | 99 |
| 31) Naphthalene | 8.14 | 128 | 1221150 | 41.428 | ng | | 99 |
| 32) Benzoic acid | 7.92 | 122 | 188941 | 41.177 | ng | | 98 |
| 33) 4-Chloroaniline | 8.19 | 127 | 295201 | 23.000 | ng | | 97 |
| 34) Hexachlorobutadiene | 8.25 | 225 | 220132 | 36.253 | ng | | 99 |
| 35) Caprolactam | 8.56 | 113 | 107062m | 33.714 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.69 | 107 | 368334 | 38.652 | ng | | 98 |
| 37) 2-Methylnaphthalene | 8.83 | 142 | 861657 | 42.701 | ng | | 98 |
| 38) 1-Methylnaphthalene | 8.93 | 142 | 806558 | 41.702 | ng | | 98 |
| 40) 1,2,4,5-Tetrachlorobenzene | 9.00 | 216 | 392768 | 36.958 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 8.98 | 237 | 242780 | 62.621 | ng | | 100 |
| 43) 2,4,6-Trichlorophenol | 9.12 | 196 | 242413 | 37.005 | ng | | 100 |
| 44) 2,4,5-Trichlorophenol | 9.16 | 196 | 257366 | 37.591 | ng | | 98 |
| 46) 1,1'-Biphenyl | 9.29 | 154 | 1044848 | 36.925 | ng | | 98 |
| 47) 2-Chloronaphthalene | 9.32 | 162 | 805235 | 36.696 | ng | | 98 |
| 48) 2-Nitroaniline | 9.42 | 65 | 224303 | 37.504 | ng | | 89 |
| 49) Acenaphthylene | 9.73 | 152 | 1282743 | 39.883 | ng | | 99 |
| 50) Dimethylphthalate | 9.59 | 163 | 935933 | 37.217 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 9.66 | 165 | 215527 | 38.267 | ng | # | 85 |
| 52) Acenaphthene | 9.90 | 154 | 744857 | 38.769 | ng | | 99 |
| 53) 3-Nitroaniline | 9.83 | 138 | 151172 | 24.775 | ng | | 88 |
| 54) 2,4-Dinitrophenol | 9.95 | 184 | 152002 | 84.095 | ng | | 95 |
| 55) Dibenzofuran | 10.08 | 168 | 1112443 | 37.889 | ng | | 97 |
| 56) 4-Nitrophenol | 10.02 | 139 | 242442 | 75.154 | ng | | 97 |
| 57) 2,4-Dinitrotoluene | 10.07 | 165 | 280904 | 39.177 | ng | # | 86 |
| 58) Fluorene | 10.42 | 166 | 897608 | 40.854 | ng | | 98 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.20 | 232 | 207395 | 40.085 | ng | | 96 |
| 60) Diethylphthalate | 10.29 | 149 | 936096 | 37.509 | ng | | 100 |
| 61) 4-Chlorophenyl-phenylether | 10.41 | 204 | 429942 | 35.974 | ng | | 96 |
| 62) 4-Nitroaniline | 10.45 | 138 | 224332 | 37.483 | ng | | 95 |
| 63) Azobenzene | 10.57 | 77 | 818417 | 37.288 | ng | | 99 |
| 65) 4,6-Dinitro-2-methylphenol | 10.49 | 198 | 121873 | 34.099 | ng | | 97 |
| 66) n-Nitrosodiphenylamine | 10.53 | 169 | 794371 | 36.974 | ng | | 100 |
| 67) 4-Bromophenyl-phenylether | 10.90 | 248 | 270401 | 36.065 | ng | | 97 |
| 68) Hexachlorobenzene | 10.97 | 284 | 296500 | 36.860 | ng | | 96 |
| 69) Atrazine | 11.06 | 200 | 261921 | 37.782 | ng | | 96 |
| 70) Pentachlorophenol | 11.17 | 266 | 218606 | 69.843 | ng | | 98 |
| 71) Phenanthrene | 11.39 | 178 | 1313334 | 39.628 | ng | | 98 |
| 72) Anthracene | 11.44 | 178 | 1373667 | 41.610 | ng | | 99 |
| 73) Carbazole | 11.59 | 167 | 1230385 | 37.783 | ng | | 99 |
| 74) Di-n-butylphthalate | 11.91 | 149 | 1460953 | 36.144 | ng | | 99 |
| 75) Fluoranthene | 12.57 | 202 | 1409137 | 39.643 | ng | | 98 |
| 77) Benzidine | 12.69 | 184 | 533614 | 35.786 | ng | | 95 |
| 78) Pyrene | 12.80 | 202 | 1437512 | 38.325 | ng | | 99 |
| 80) Butylbenzylphthalate | 13.41 | 149 | 641876 | 35.370 | ng | | 96 |
| 81) Benzo(a)anthracene | 13.99 | 228 | 1271231 | 39.916 | ng | | 100 |
| 82) 3,3'-Dichlorobenzidine | 13.95 | 252 | 307554 | 25.804 | ng | | 98 |
| 83) Chrysene | 14.03 | 228 | 1195420 | 39.322 | ng | | 98 |
| 84) Bis(2-ethylhexyl)phthalate | 13.97 | 149 | 888721 | 34.500 | ng | | 98 |
| 85) Di-n-octyl phthalate | 14.57 | 149 | 1441340 | 36.367 | ng | | 98 |
| 86) Indeno(1,2,3-cd)pyrene | 16.95 | 276 | 1050349 | 43.603 | ng | | 97 |
| 88) Benzo(b)fluoranthene | 15.04 | 252 | 1199287 | 40.549 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 15.07 | 252 | 1117522 | 39.447 | ng | | 98 |
| 90) Benzo(a)pyrene | 15.41 | 252 | 1102887 | 41.442 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 16.96 | 278 | 876463 | 40.864 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 17.39 | 276 | 838236 | 41.424 | ng | | 98 |

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

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