Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082616\
Data File : BF089915.D
Acq On : 26 Aug 2016 18:44
Operator : UM/SJ
Sample : PB93122BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** PB93122BS

Quant Time: Aug 26 19:24:32 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 26 18:51:25 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.65 | 152 | 332167 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 7.94 | 136 | 1321874 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.68 | 164 | 607334 | 20.00 | ng | | -0.01 |
| 63) Phenanthrene-d10 | 11.15 | 188 | 1106585 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 13.78 | 240 | 800543 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.13 | 264 | 734703 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.24 | 112 | 2145741 | 110.78 | ng | | 0.02 |
| 7) Phenol-d6 | 6.30 | 99 | 2445949 | 102.87 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.22 | 82 | 1448279 | 68.07 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.47 | 330 | 580914 | 100.65 | ng | | -0.01 |
| 44) 2-Fluorobiphenyl | 9.02 | 172 | 2437009 | 70.52 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.74 | 244 | 2106499 | 59.53 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.19 | 88 | 266778 | 27.83 | ng | | 97 |
| 3) Pyridine | 2.82 | 79 | 787486 | 31.32 | ng | | 92 |
| 4) n-Nitrosodimethylamine | 2.79 | 42 | 331686 | 35.44 | ng | # | 80 |
| 6) Aniline | 6.31 | 93 | 884702 | 27.74 | ng | # | 36 |
| 8) 2-Chlorophenol | 6.43 | 128 | 775508 | 33.48 | ng | | 91 |
| 9) Benzaldehyde | 6.18 | 77 | 153340 | 9.90 | ng | | 95 |
| 10) Phenol | 6.31 | 94 | 788389 | 28.29 | ng | | 85 |
| 11) bis(2-Chloroethyl)ether | 6.40 | 93 | 797344 | 36.90 | ng | | 92 |
| 12) 1,3-Dichlorobenzene | 6.59 | 146 | 850258m | 35.11 | ng | | |
| 13) 1,4-Dichlorobenzene | 6.67 | 146 | 845718m | 33.98 | ng | | |
| 14) 1,2-Dichlorobenzene | 6.82 | 146 | 819966m | 35.29 | ng | | |
| 15) Benzyl Alcohol | 6.80 | 79 | 539645 | 34.22 | ng | | 95 |
| 16) 2,2'-oxybis(1-Chloropropan | 6.95 | 45 | 930865 | 33.66 | ng | | 91 |
| 17) 2-Methylphenol | 6.92 | 107 | 703342 | 38.77 | ng | | 95 |
| 18) Hexachloroethane | 7.16 | 117 | 307611 | 34.65 | ng | | 94 |
| 19) n-Nitroso-di-n-propylamine | 7.08 | 70 | 559306 | 36.78 | ng | # | 86 |
| 20) 3+4-Methylphenols | 7.07 | 107 | 781330 | 35.13 | ng | # | 82 |
| 22) Acetophenone | 7.07 | 105 | 992962 | 32.71 | ng | # | 88 |
| 24) Nitrobenzene | 7.24 | 77 | 786084 | 32.93 | ng | # | 74 |
| 25) Isophorone | 7.48 | 82 | 1498096 | 34.91 | ng | | 96 |
| 26) 2-Nitrophenol | 7.55 | 139 | 406014 | 34.09 | ng | # | 83 |
| 27) 2,4-Dimethylphenol | 7.61 | 122 | 794253 | 37.00 | ng | | 97 |
| 28) bis(2-Chloroethoxy)methane | 7.70 | 93 | 985200 | 37.11 | ng | | 97 |
| 29) 2,4-Dichlorophenol | 7.80 | 162 | 675802 | 37.52 | ng | | 95 |
| 30) 1,2,4-Trichlorobenzene | 7.88 | 180 | 710354 | 35.65 | ng | | 96 |
| 31) Naphthalene | 7.95 | 128 | 2193671 | 35.51 | ng | | 99 |
| 32) Benzoic acid | 7.74 | 122 | 397067 | 23.74 | ng | | 95 |
| 33) 4-Chloroaniline | 8.01 | 127 | 502773 | 18.77 | ng | # | 94 |
| 34) Hexachlorobutadiene | 8.08 | 225 | 346616 | 33.22 | ng | | 100 |
| 35) Caprolactam | 8.39 | 113 | 213180m | 38.86 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.50 | 107 | 679175 | 34.82 | ng | | 96 |
| 37) 2-Methylnaphthalene | 8.65 | 142 | 1550823 | 38.80 | ng | | 99 |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.82 | 216 | 543688 | 27.65 | ng | | 96 |
| 40) Hexachlorocyclopentadiene | 8.81 | 237 | 680171 | 99.61 | ng | | 98 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 8.92 | 196 | 462662 | 37.39 | ng | | 99 |
| 43) 2,4,5-Trichlorophenol | 8.97 | 196 | 462154 | 37.56 | ng | | 99 |
| 45) 1,1'-Biphenyl | 9.12 | 154 | 1673956 | 35.62 | ng | | 94 |
| 46) 2-Chloronaphthalene | 9.13 | 162 | 1343194 | 36.15 | ng | | 98 |
| 47) 2-Nitroaniline | 9.23 | 65 | 449762 | 42.44 | ng | # | 83 |
| 48) Acenaphthylene | 9.54 | 152 | 2078997 | 37.24 | ng | | 99 |
| 49) Dimethylphthalate | 9.43 | 163 | 1740118 | 40.69 | ng | | 100 |
| 50) 2,6-Dinitrotoluene | 9.48 | 165 | 364035 | 36.87 | ng | # | 58 |
| 51) Acenaphthene | 9.71 | 154 | 1495869 | 40.49 | ng | | 99 |
| 52) 3-Nitroaniline | 9.64 | 138 | 331420 | 30.30 | ng | # | 76 |
| 53) 2,4-Dinitrophenol | 9.75 | 184 | 344465 | 64.73 | ng | | 95 |
| 54) Dibenzofuran | 9.88 | 168 | 1907383 | 41.10 | ng | | 98 |
| 55) 4-Nitrophenol | 9.82 | 139 | 714366 | 80.01 | ng | | 98 |
| 56) 2,4-Dinitrotoluene | 9.88 | 165 | 497889 | 38.87 | ng | | 91 |
| 57) Fluorene | 10.23 | 166 | 1228413 | 33.22 | ng | | 98 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.01 | 232 | 397530 | 44.39 | ng | | 97 |
| 59) Diethylphthalate | 10.12 | 149 | 1701855 | 39.18 | ng | | 98 |
| 60) 4-Chlorophenyl-phenylether | 10.23 | 204 | 572159 | 33.91 | ng | | 99 |
| 61) 4-Nitroaniline | 10.26 | 138 | 444610 | 43.36 | ng | | 83 |
| 62) Azobenzene | 10.39 | 77 | 1712305 | 41.93 | ng | | 94 |
| 64) 4,6-Dinitro-2-methylphenol | 10.28 | 198 | 273166 | 42.96 | ng | # | 78 |
| 65) n-Nitrosodiphenylamine | 10.35 | 169 | 1414317 | 40.65 | ng | | 100 |
| 66) 4-Bromophenyl-phenylether | 10.72 | 248 | 417444 | 35.98 | ng | | 98 |
| 67) Hexachlorobenzene | 10.78 | 284 | 500456 | 37.81 | ng | | 97 |
| 68) Atrazine | 10.88 | 200 | 371975 | 34.91 | ng | | 97 |
| 69) Pentachlorophenol | 10.97 | 266 | 550534 | 73.39 | ng | | 98 |
| 70) Phenanthrene | 11.18 | 178 | 2134564 | 38.19 | ng | | 99 |
| 71) Anthracene | 11.23 | 178 | 2177891 | 38.33 | ng | | 99 |
| 72) Carbazole | 11.39 | 167 | 2209364 | 43.36 | ng | | 96 |
| 73) Di-n-butylphthalate | 11.74 | 149 | 2412864 | 37.85 | ng | | 98 |
| 74) Fluoranthene | 12.35 | 202 | 2112326 | 39.73 | ng | | 94 |
| 76) Benzidine | 12.49 | 184 | 1078184 | 41.62 | ng | | 96 |
| 77) Pyrene | 12.58 | 202 | 1997511 | 30.64 | ng | | 98 |
| 79) Butylbenzylphthalate | 13.22 | 149 | 1114727 | 37.86 | ng | | 98 |
| 80) Benzo(a)anthracene | 13.77 | 228 | 1843862 | 40.22 | ng | | 100 |
| 81) 3,3'-Dichlorobenzidine | 13.74 | 252 | 405635 | 26.99 | ng | | 98 |
| 82) Chrysene | 13.81 | 228 | 1621052 | 41.24 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 13.78 | 149 | 1388523 | 34.24 | ng | # | 97 |
| 84) Di-n-octyl phthalate | 14.40 | 149 | 2491256 | 46.23 | ng | # | 92 |
| 85) Indeno(1,2,3-cd)pyrene | 16.37 | 276 | 1440575 | 28.73 | ng | | 99 |
| 87) Benzo(b)fluoranthene | 14.77 | 252 | 1768536m | 43.76 | ng | | |
| 88) Benzo(k)fluoranthene | 14.79 | 252 | 1219253m | 33.25 | ng | | |
| 89) Benzo(a)pyrene | 15.07 | 252 | 1407757 | 36.80 | ng | | 99 |
| 90) Dibenzo(a,h)anthracene | 16.39 | 278 | 1212988 | 29.21 | ng | | 99 |
| 91) Benzo(g,h,i)perylene | 16.74 | 276 | 1230011 | 28.13 | ng | | 97 |

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

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