Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082616\
Data File : BF089919.D
Acq On : 26 Aug 2016 20:36
Operator : UM/SJ
Sample : PB93109BS
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** PB93109BS

Quant Time: Aug 26 23:17:29 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 | 316943 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 7.94 | 136 | 1275329 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.68 | 164 | 584434 | 20.00 | ng | | -0.01 |
| 63) Phenanthrene-d10 | 11.15 | 188 | 1053165 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 13.77 | 240 | 727066 | 20.00 | ng | | -0.01 |
| 86) Perylene-d12 | 15.12 | 264 | 641600 | 20.00 | ng | | -0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.23 | 112 | 1866852 | 101.01 | ng | | 0.01 |
| 7) Phenol-d6 | 6.30 | 99 | 2107690 | 92.90 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.22 | 82 | 1346283 | 65.58 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.47 | 330 | 481196 | 86.64 | ng | | -0.01 |
| 44) 2-Fluorobiphenyl | 9.02 | 172 | 2213919 | 66.58 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.74 | 244 | 2013156 | 62.64 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.19 | 88 | 252462 | 27.60 | ng | | 96 |
| 3) Pyridine | 2.82 | 79 | 729447 | 30.41 | ng | | 93 |
| 4) n-Nitrosodimethylamine | 2.79 | 42 | 308357 | 34.53 | ng | # | 83 |
| 6) Aniline | 6.31 | 93 | 651940 | 21.42 | ng | # | 9 |
| 8) 2-Chlorophenol | 6.43 | 128 | 736639 | 33.33 | ng | | 89 |
| 9) Benzaldehyde | 6.18 | 77 | 136235 | 9.22 | ng | | 97 |
| 10) Phenol | 6.31 | 94 | 776185 | 29.19 | ng | | 99 |
| 11) bis(2-Chloroethyl)ether | 6.40 | 93 | 701933 | 34.04 | ng | | 90 |
| 12) 1,3-Dichlorobenzene | 6.59 | 146 | 776872m | 33.62 | ng | | |
| 13) 1,4-Dichlorobenzene | 6.67 | 146 | 760628m | 32.03 | ng | | |
| 14) 1,2-Dichlorobenzene | 6.82 | 146 | 753772 | 34.00 | ng | | 96 |
| 15) Benzyl Alcohol | 6.80 | 79 | 481060 | 31.97 | ng | | 95 |
| 16) 2,2'-oxybis(1-Chloropropan | 6.95 | 45 | 822873 | 31.18 | ng | | 90 |
| 17) 2-Methylphenol | 6.92 | 107 | 611000 | 35.30 | ng | | 94 |
| 18) Hexachloroethane | 7.16 | 117 | 278326 | 32.86 | ng | | 94 |
| 19) n-Nitroso-di-n-propylamine | 7.08 | 70 | 499412 | 34.42 | ng | # | 83 |
| 20) 3+4-Methylphenols | 7.07 | 107 | 655430 | 30.88 | ng | # | 74 |
| 22) Acetophenone | 7.07 | 105 | 873062 | 29.81 | ng | # | 88 |
| 24) Nitrobenzene | 7.23 | 77 | 639755 | 27.78 | ng | | 99 |
| 25) Isophorone | 7.48 | 82 | 1331591 | 32.16 | ng | # | 93 |
| 26) 2-Nitrophenol | 7.55 | 139 | 354679 | 30.87 | ng | # | 83 |
| 27) 2,4-Dimethylphenol | 7.61 | 122 | 665415 | 32.13 | ng | | 95 |
| 28) bis(2-Chloroethoxy)methane | 7.70 | 93 | 909411 | 35.50 | ng | | 97 |
| 29) 2,4-Dichlorophenol | 7.79 | 162 | 563170 | 32.41 | ng | | 90 |
| 30) 1,2,4-Trichlorobenzene | 7.88 | 180 | 633292 | 32.95 | ng | # | 95 |
| 31) Naphthalene | 7.95 | 128 | 1944104 | 32.62 | ng | | 99 |
| 32) Benzoic acid | 7.72 | 122 | 330408 | 20.47 | ng | | 96 |
| 33) 4-Chloroaniline | 8.01 | 127 | 208876 | 8.08 | ng | # | 95 |
| 34) Hexachlorobutadiene | 8.08 | 225 | 310513 | 30.85 | ng | | 99 |
| 35) Caprolactam | 8.38 | 113 | 169135m | 31.96 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.50 | 107 | 617239 | 32.80 | ng | | 99 |
| 37) 2-Methylnaphthalene | 8.65 | 142 | 1401204 | 36.34 | ng | | 99 |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.82 | 216 | 450924 | 23.83 | ng | | 97 |
| 40) Hexachlorocyclopentadiene | 8.81 | 237 | 606499 | 92.31 | ng | | 98 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 8.92 | 196 | 393566 | 33.06 | ng | | 98 |
| 43) 2,4,5-Trichlorophenol | 8.97 | 196 | 417471 | 35.25 | ng | | 99 |
| 45) 1,1'-Biphenyl | 9.12 | 154 | 1397140 | 30.89 | ng | | 93 |
| 46) 2-Chloronaphthalene | 9.13 | 162 | 1144530 | 32.01 | ng | | 98 |
| 47) 2-Nitroaniline | 9.23 | 65 | 394011 | 38.64 | ng | # | 74 |
| 48) Acenaphthylene | 9.54 | 152 | 1764988 | 32.85 | ng | | 100 |
| 49) Dimethylphthalate | 9.43 | 163 | 1479519 | 35.95 | ng | # | 98 |
| 50) 2,6-Dinitrotoluene | 9.47 | 165 | 295254 | 31.08 | ng | | 88 |
| 51) Acenaphthene | 9.71 | 154 | 1278206 | 35.95 | ng | | 99 |
| 52) 3-Nitroaniline | 9.63 | 138 | 187168 | 17.78 | ng | | 96 |
| 53) 2,4-Dinitrophenol | 9.75 | 184 | 334747 | 65.18 | ng | | 90 |
| 54) Dibenzofuran | 9.88 | 168 | 1594632 | 35.71 | ng | | 97 |
| 55) 4-Nitrophenol | 9.82 | 139 | 624192 | 72.65 | ng | # | 71 |
| 56) 2,4-Dinitrotoluene | 9.87 | 165 | 383885 | 31.14 | ng | # | 64 |
| 57) Fluorene | 10.23 | 166 | 1115303 | 31.34 | ng | | 98 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.01 | 232 | 349002m | 40.49 | ng | | |
| 59) Diethylphthalate | 10.12 | 149 | 1487062 | 35.57 | ng | | 97 |
| 60) 4-Chlorophenyl-phenylether | 10.23 | 204 | 527977 | 32.52 | ng | | 99 |
| 61) 4-Nitroaniline | 10.25 | 138 | 322644 | 32.70 | ng | | 98 |
| 62) Azobenzene | 10.39 | 77 | 1535548 | 39.07 | ng | | 92 |
| 64) 4,6-Dinitro-2-methylphenol | 10.28 | 198 | 236678 | 39.11 | ng | # | 60 |
| 65) n-Nitrosodiphenylamine | 10.34 | 169 | 1162041 | 35.09 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 10.71 | 248 | 354698 | 32.12 | ng | # | 67 |
| 67) Hexachlorobenzene | 10.78 | 284 | 433783 | 34.44 | ng | | 98 |
| 68) Atrazine | 10.88 | 200 | 362246 | 35.72 | ng | | 97 |
| 69) Pentachlorophenol | 10.97 | 266 | 491242 | 68.80 | ng | | 98 |
| 70) Phenanthrene | 11.18 | 178 | 1805576 | 33.94 | ng | | 99 |
| 71) Anthracene | 11.23 | 178 | 2002055 | 37.03 | ng | | 99 |
| 72) Carbazole | 11.38 | 167 | 1786952 | 36.85 | ng | | 99 |
| 73) Di-n-butylphthalate | 11.74 | 149 | 2197925 | 36.22 | ng | | 99 |
| 74) Fluoranthene | 12.35 | 202 | 1757741 | 34.74 | ng | | 94 |
| 76) Benzidine | 12.48 | 184 | 659999 | 28.05 | ng | | 97 |
| 77) Pyrene | 12.58 | 202 | 1827921 | 30.87 | ng | | 98 |
| 79) Butylbenzylphthalate | 13.22 | 149 | 972364 | 36.36 | ng | | 98 |
| 80) Benzo(a)anthracene | 13.76 | 228 | 1517960 | 36.46 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 13.74 | 252 | 262439 | 19.23 | ng | # | 95 |
| 82) Chrysene | 13.81 | 228 | 1453044 | 40.70 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 13.78 | 149 | 1204240 | 32.69 | ng | # | 98 |
| 84) Di-n-octyl phthalate | 14.39 | 149 | 2011509 | 41.10 | ng | # | 92 |
| 85) Indeno(1,2,3-cd)pyrene | 16.37 | 276 | 1254321 | 27.54 | ng | | 99 |
| 87) Benzo(b)fluoranthene | 14.77 | 252 | 1549460m | 43.90 | ng | | |
| 88) Benzo(k)fluoranthene | 14.79 | 252 | 969919m | 30.29 | ng | | |
| 89) Benzo(a)pyrene | 15.07 | 252 | 1171869 | 35.08 | ng | # | 96 |
| 90) Dibenzo(a,h)anthracene | 16.39 | 278 | 1053139 | 29.04 | ng | | 97 |
| 91) Benzo(g,h,i)perylene | 16.74 | 276 | 1081322 | 28.32 | ng | # | 94 |

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

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