Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122316\
Data File : BF091938.D
Acq On : 23 Dec 2016 21:49
Operator : UM/SJ
Sample : H6226-07MS
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** IDW-01-122116MS

Quant Time: Dec 23 23:15:44 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 21 16:17:51 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.74 | 152 | 189912 | 20.00 | ng | | -0.01 |
| 21) Naphthalene-d8 | 8.03 | 136 | 822588 | 20.00 | ng | | -0.01 |
| 38) Acenaphthene-d10 | 9.78 | 164 | 389086 | 20.00 | ng | | -0.01 |
| 63) Phenanthrene-d10 | 11.25 | 188 | 566822 | 20.00 | ng | | -0.01 |
| 75) Chrysene-d12 | 13.89 | 240 | 366374 | 20.00 | ng | | -0.01 |
| 86) Perylene-d12 | 15.29 | 264 | 359359 | 20.00 | ng | | -0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.39 | 112 | 1515131 | 133.21 | ng | | 0.05 |
| 7) Phenol-d6 | 6.44 | 99 | 1849875 | 133.22 | ng | | 0.03 |
| 23) Nitrobenzene-d5 | 7.31 | 82 | 1464354 | 98.99 | ng | | -0.01 |
| 41) 2,4,6-Tribromophenol | 10.58 | 330 | 488164 | 151.60 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.10 | 172 | 2245774 | 124.21 | ng | | -0.01 |
| 78) Terphenyl-d14 | 12.84 | 244 | 1471340 | 97.40 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.34 | 88 | 217106 | 38.77 | ng | | 98 |
| 3) Pyridine | 3.02 | 79 | 987998 | 50.55 | ng | | 96 |
| 4) n-Nitrosodimethylamine | 2.99 | 42 | 366756 | 49.75 | ng | | 100 |
| 6) Aniline | 6.42 | 93 | 177401 | 9.84 | ng | # | 52 |
| 8) 2-Chlorophenol | 6.54 | 128 | 598404 | 46.25 | ng | | 94 |
| 9) Benzaldehyde | 6.28 | 77 | 95891 | 9.35 | ng | | 96 |
| 10) Phenol | 6.45 | 94 | 785172 | 49.62 | ng | # | 73 |
| 11) bis(2-Chloroethyl)ether | 6.49 | 93 | 777140 | 61.72 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 6.68 | 146 | 687008 | 49.74 | ng | # | 94 |
| 13) 1,4-Dichlorobenzene | 6.76 | 146 | 693449 | 49.33 | ng | | 96 |
| 14) 1,2-Dichlorobenzene | 6.91 | 146 | 545759 | 44.74 | ng | | 96 |
| 15) Benzyl Alcohol | 6.91 | 79 | 580306 | 53.78 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.02 | 45 | 936903 | 49.97 | ng | | 96 |
| 17) 2-Methylphenol | 7.05 | 107 | 540514 | 51.95 | ng | | 98 |
| 18) Hexachloroethane | 7.25 | 117 | 256174 | 49.15 | ng | | 96 |
| 19) n-Nitroso-di-n-propylamine | 7.17 | 70 | 540001 | 58.45 | ng | | 95 |
| 20) 3+4-Methylphenols | 7.20 | 107 | 720156 | 58.03 | ng | # | 71 |
| 22) Acetophenone | 7.16 | 105 | 1016690 | 50.11 | ng | # | 91 |
| 24) Nitrobenzene | 7.33 | 77 | 766563 | 48.65 | ng | | 98 |
| 25) Isophorone | 7.57 | 82 | 1231586 | 45.13 | ng | | 95 |
| 26) 2-Nitrophenol | 7.65 | 139 | 381664 | 49.12 | ng | # | 86 |
| 27) 2,4-Dimethylphenol | 7.71 | 122 | 540905 | 41.97 | ng | | 95 |
| 28) bis(2-Chloroethoxy)methane | 7.79 | 93 | 876907 | 52.98 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 7.92 | 162 | 546711 | 50.10 | ng | | 96 |
| 30) 1,2,4-Trichlorobenzene | 7.97 | 180 | 560617 | 46.88 | ng | | 95 |
| 31) Naphthalene | 8.05 | 128 | 1919069 | 50.97 | ng | | 99 |
| 32) Benzoic acid | 7.87 | 122 | 369168 | 38.62 | ng | | 99 |
| 33) 4-Chloroaniline | 8.12 | 127 | 237207 | 13.97 | ng | | 98 |
| 34) Hexachlorobutadiene | 8.17 | 225 | 309090 | 48.97 | ng | | 99 |
| 35) Caprolactam | 8.49 | 113 | 143042 | 39.89 | ng | # | 61 |
| 36) 4-Chloro-3-methylphenol | 8.62 | 107 | 584143 | 46.52 | ng | | 100 |
| 37) 2-Methylnaphthalene | 8.74 | 142 | 1157559 | 55.26 | ng | | 99 |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.91 | 216 | 530502 | 53.97 | ng | | 98 |
| 40) Hexachlorocyclopentadiene | 8.90 | 237 | 286608 | 66.19 | ng | | 97 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.04 | 196 | 349101 | 50.78 | ng | | 99 |
| 43) 2,4,5-Trichlorophenol | 9.08 | 196 | 339646 | 48.01 | ng | # | 93 |
| 45) 1,1'-Biphenyl | 9.21 | 154 | 1405924 | 52.77 | ng | | 98 |
| 46) 2-Chloronaphthalene | 9.23 | 162 | 1050009 | 49.77 | ng | | 95 |
| 47) 2-Nitroaniline | 9.33 | 65 | 284164 | 37.83 | ng | | 95 |
| 48) Acenaphthylene | 9.64 | 152 | 1523473 | 46.95 | ng | | 99 |
| 49) Dimethylphthalate | 9.52 | 163 | 1308972 | 52.60 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 9.57 | 165 | 280469 | 51.49 | ng | # | 59 |
| 51) Acenaphthene | 9.81 | 154 | 977667 | 44.44 | ng | | 98 |
| 52) 3-Nitroaniline | 9.74 | 138 | 113830 | 16.89 | ng | | 98 |
| 53) 2,4-Dinitrophenol | 9.86 | 184 | 230485 | 76.05 | ng | # | 91 |
| 54) Dibenzofuran | 9.98 | 168 | 1335210 | 44.95 | ng | | 97 |
| 55) 4-Nitrophenol | 9.95 | 139 | 307752m | 67.24 | ng | | |
| 56) 2,4-Dinitrotoluene | 9.98 | 165 | 374640 | 54.80 | ng | | 92 |
| 57) Fluorene | 10.33 | 166 | 1027059 | 47.52 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.12 | 232 | 273385 | 48.86 | ng | | 99 |
| 59) Diethylphthalate | 10.21 | 149 | 1293551 | 53.52 | ng | | 98 |
| 60) 4-Chlorophenyl-phenylether | 10.33 | 204 | 514779 | 54.40 | ng | # | 77 |
| 61) 4-Nitroaniline | 10.36 | 138 | 186927 | 26.76 | ng | | 99 |
| 62) Azobenzene | 10.48 | 77 | 1291401 | 48.53 | ng | | 97 |
| 64) 4,6-Dinitro-2-methylphenol | 10.38 | 198 | 145829 | 42.55 | ng | # | 39 |
| 65) n-Nitrosodiphenylamine | 10.44 | 169 | 874722 | 52.01 | ng | | 100 |
| 66) 4-Bromophenyl-phenylether | 10.81 | 248 | 314954 | 53.42 | ng | | 96 |
| 67) Hexachlorobenzene | 10.88 | 284 | 337435 | 53.54 | ng | | 97 |
| 68) Atrazine | 10.97 | 200 | 130788 | 24.11 | ng | | 97 |
| 69) Pentachlorophenol | 11.08 | 266 | 313869 | 101.50 | ng | | 99 |
| 70) Phenanthrene | 11.29 | 178 | 1639585 | 53.35 | ng | | 98 |
| 71) Anthracene | 11.33 | 178 | 1454642 | 60.38 | ng | | 99 |
| 72) Carbazole | 11.50 | 167 | 1362823 | Below Cal | | | 97 |
| 73) Di-n-butylphthalate | 11.82 | 149 | 1688917 | 59.30 | ng | | 99 |
| 74) Fluoranthene | 12.47 | 202 | 1276777 | 47.57 | ng | | 98 |
| 76) Benzidine | 12.59 | 184 | 152629 | 12.81 | ng | | 97 |
| 77) Pyrene | 12.69 | 202 | 1266257 | 47.11 | ng | | 99 |
| 79) Butylbenzylphthalate | 13.32 | 149 | 676304 | 55.32 | ng | | 89 |
| 80) Benzo(a)anthracene | 13.88 | 228 | 1056243 | 51.07 | ng | | 100 |
| 81) 3,3'-Dichlorobenzidine | 13.85 | 252 | 172162 | 21.95 | ng | # | 95 |
| 82) Chrysene | 13.92 | 228 | 875903 | 42.22 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 13.88 | 149 | 811466 | 56.36 | ng | # | 99 |
| 84) Di-n-octyl phthalate | 14.49 | 149 | 1348893 | 50.58 | ng | | 100 |
| 85) Indeno(1,2,3-cd)pyrene | 16.63 | 276 | 993480 | 55.28 | ng | | 98 |
| 87) Benzo(b)fluoranthene | 14.90 | 252 | 1238130m | 55.34 | ng | | |
| 88) Benzo(k)fluoranthene | 14.92 | 252 | 852746m | 44.70 | ng | | |
| 89) Benzo(a)pyrene | 15.23 | 252 | 989693 | 49.84 | ng | | 99 |
| 90) Dibenzo(a,h)anthracene | 16.64 | 278 | 832154 | 50.98 | ng | | 96 |
| 91) Benzo(g,h,i)perylene | 17.03 | 276 | 809559 | 47.70 | ng | | 99 |

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

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